ENGLISH
NATURE

A survey of ditch flora in the North Kent Marshes SSSIs - 1995

Appendix 1

No. 167 - English Nature Research Reports

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A SURVEY OF DITCH FLORA IN THE NORTH KENT MARSHES SSSIs 1995

APPENDIX 1

SAMPLE DATA TABLES AND MAPS

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January 1996

Survey Carried out by English Nature, co-funded by the National Rivers Authority

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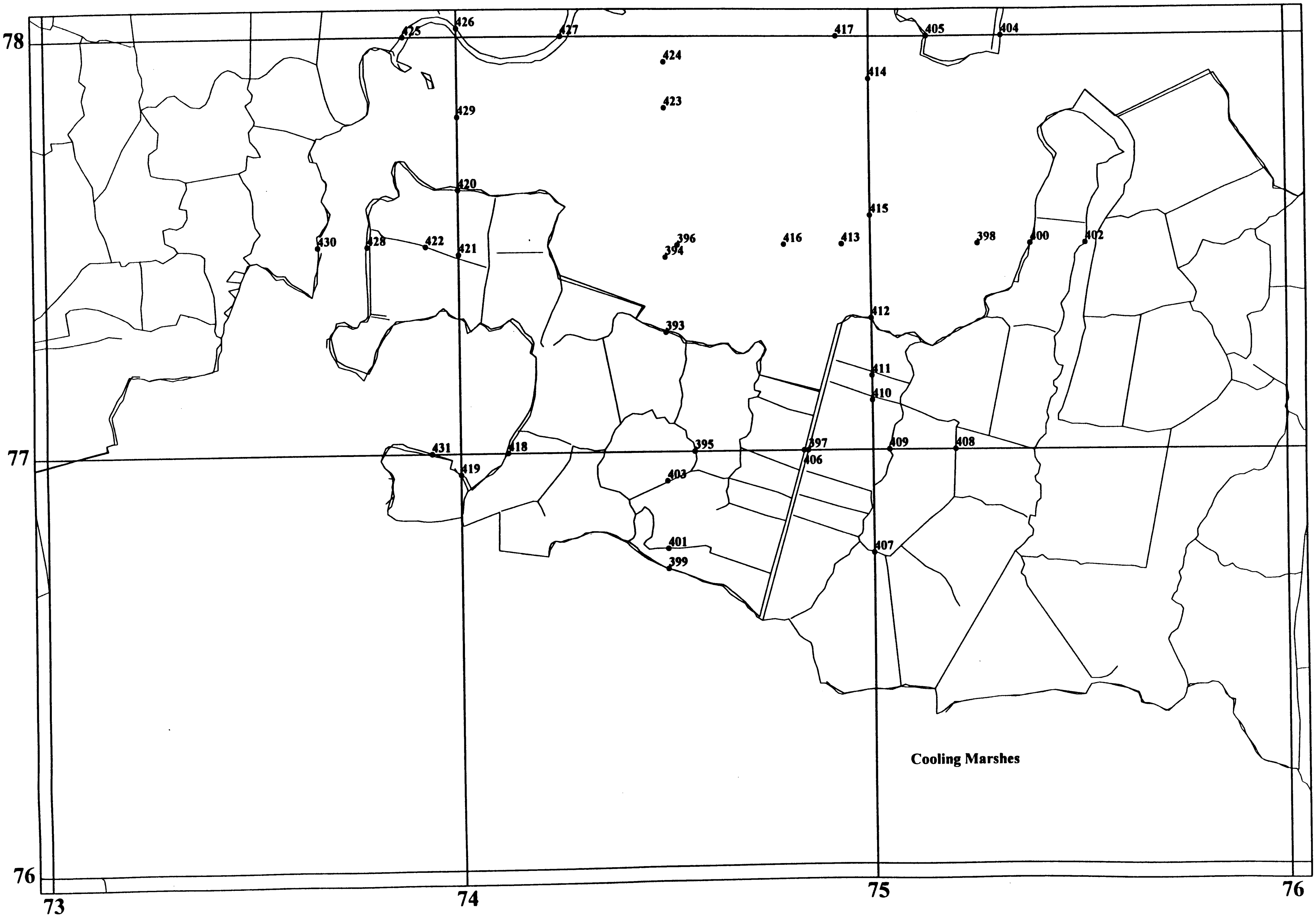
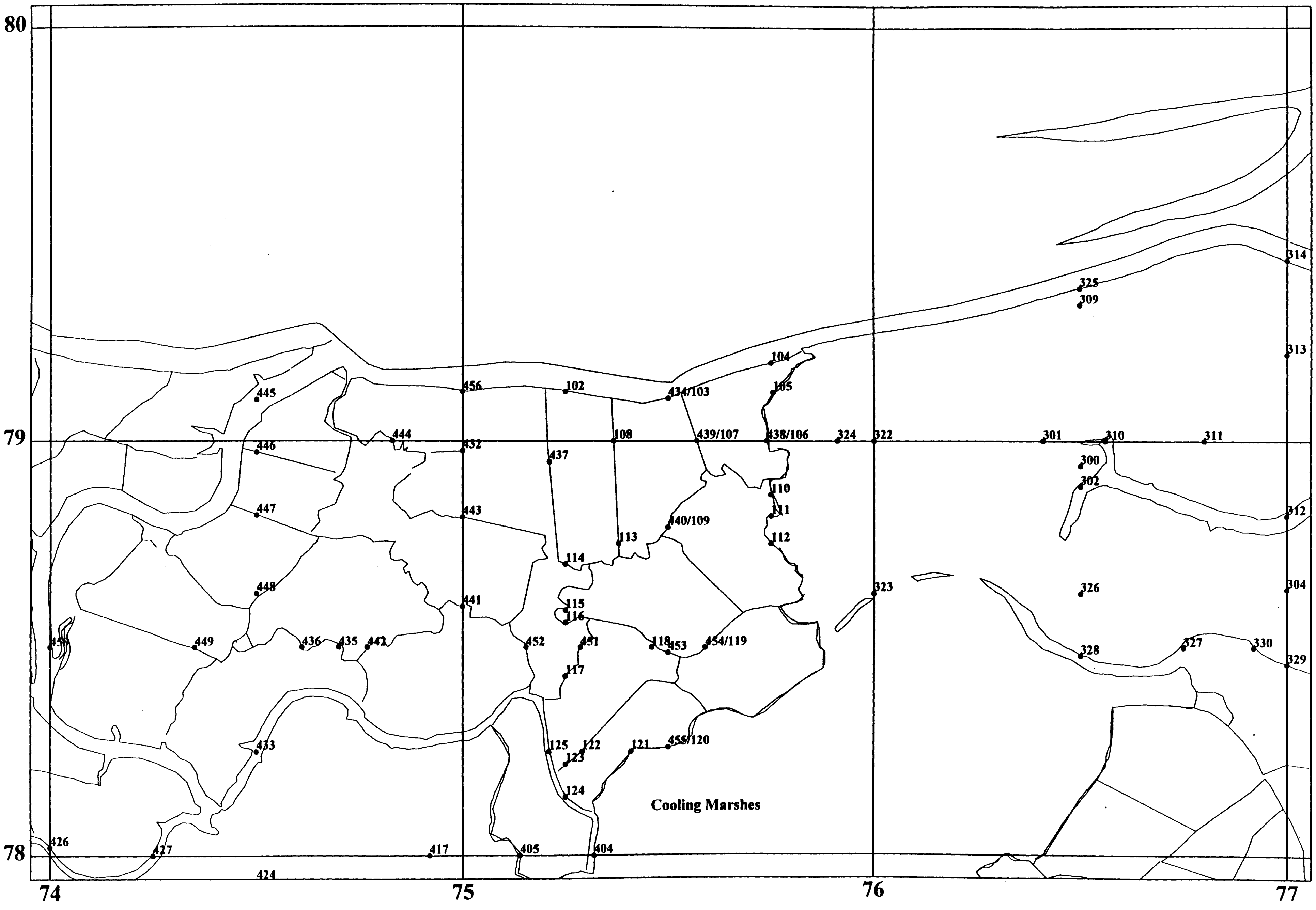
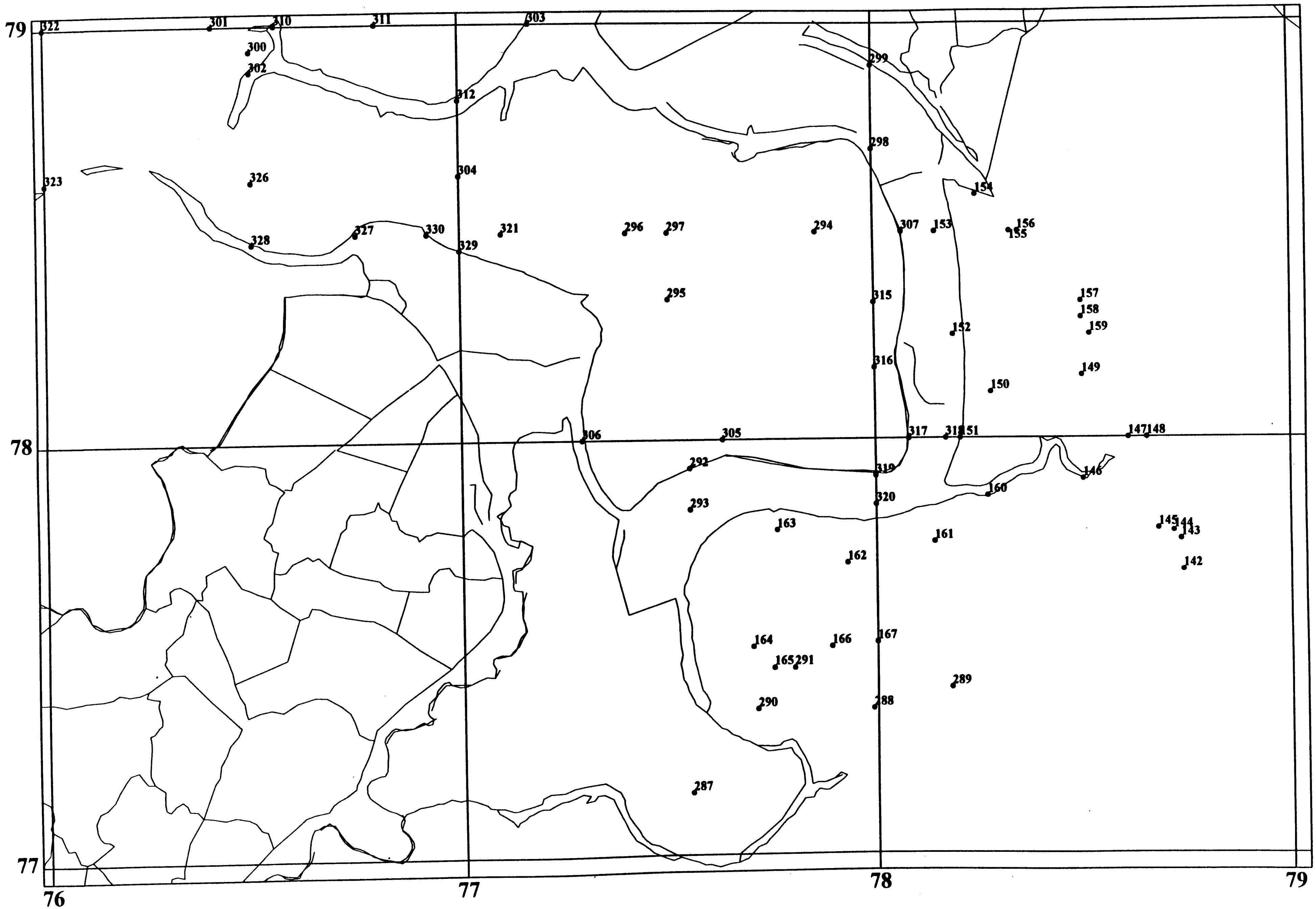


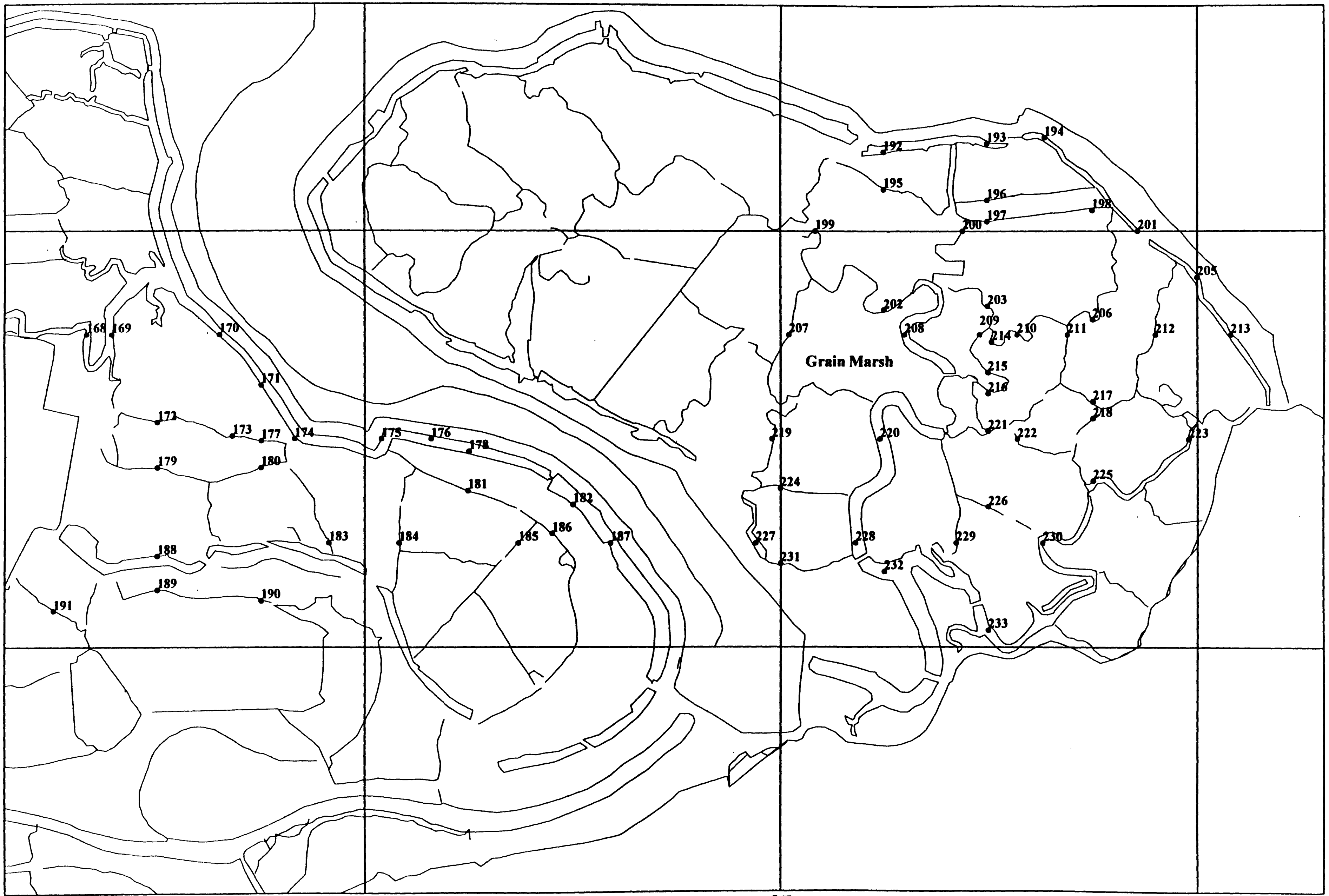
North Kent Marshes 1993 survey - Sample ditch numbers



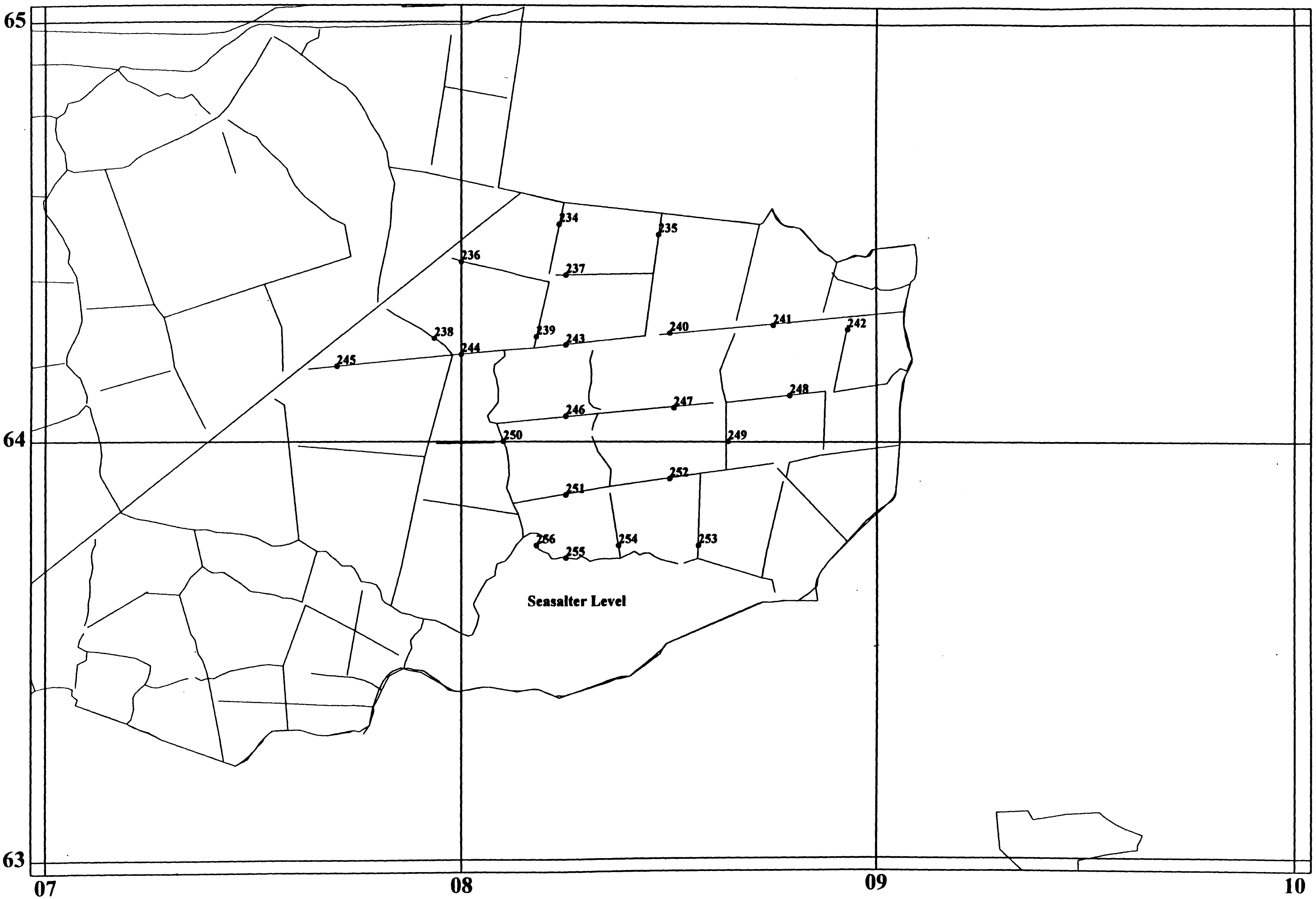
North Kent Marshes 1993 survey - Sample ditch numbers



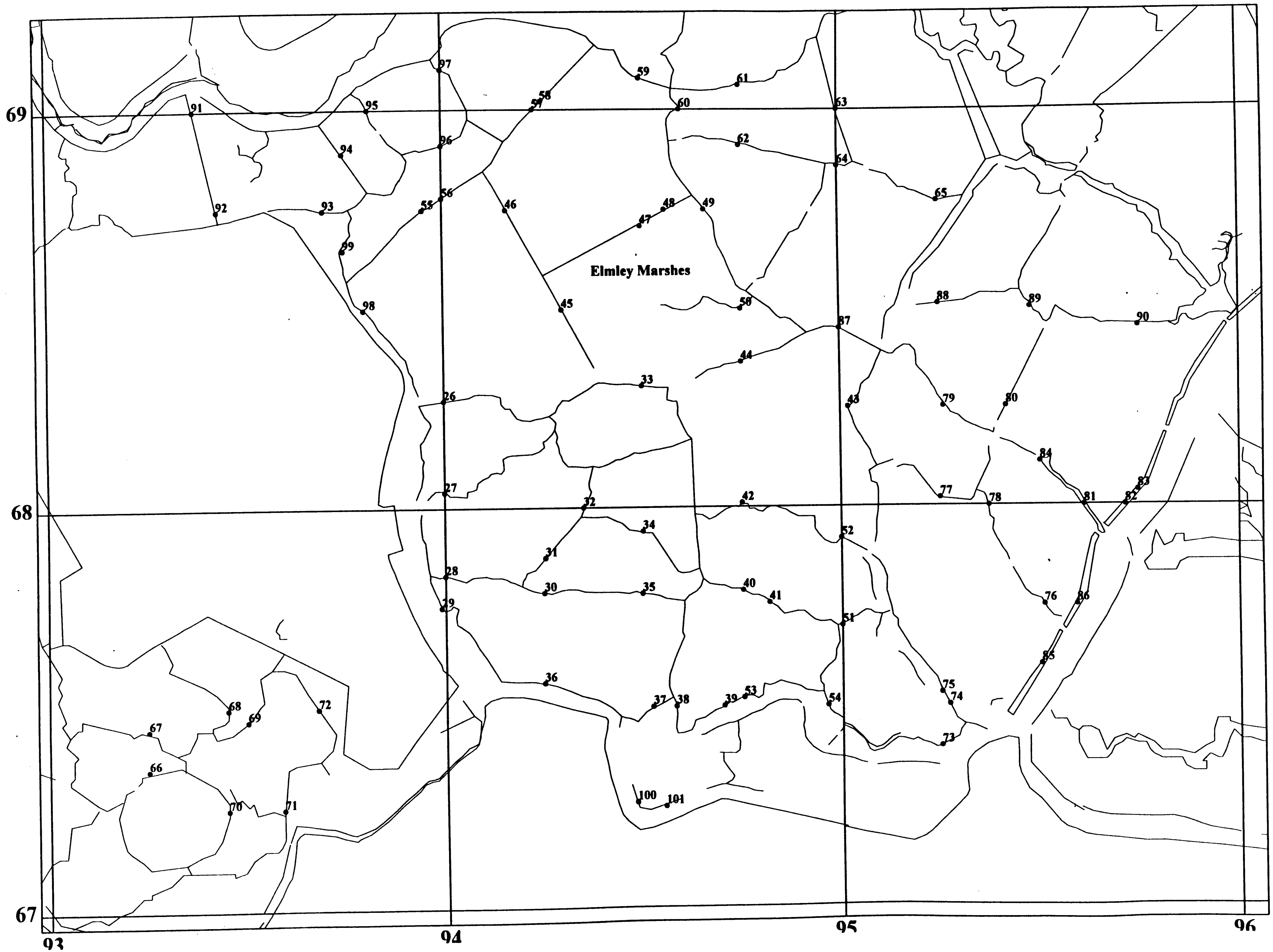
North Kent Marshes 1993 survey - Sample ditch numbers



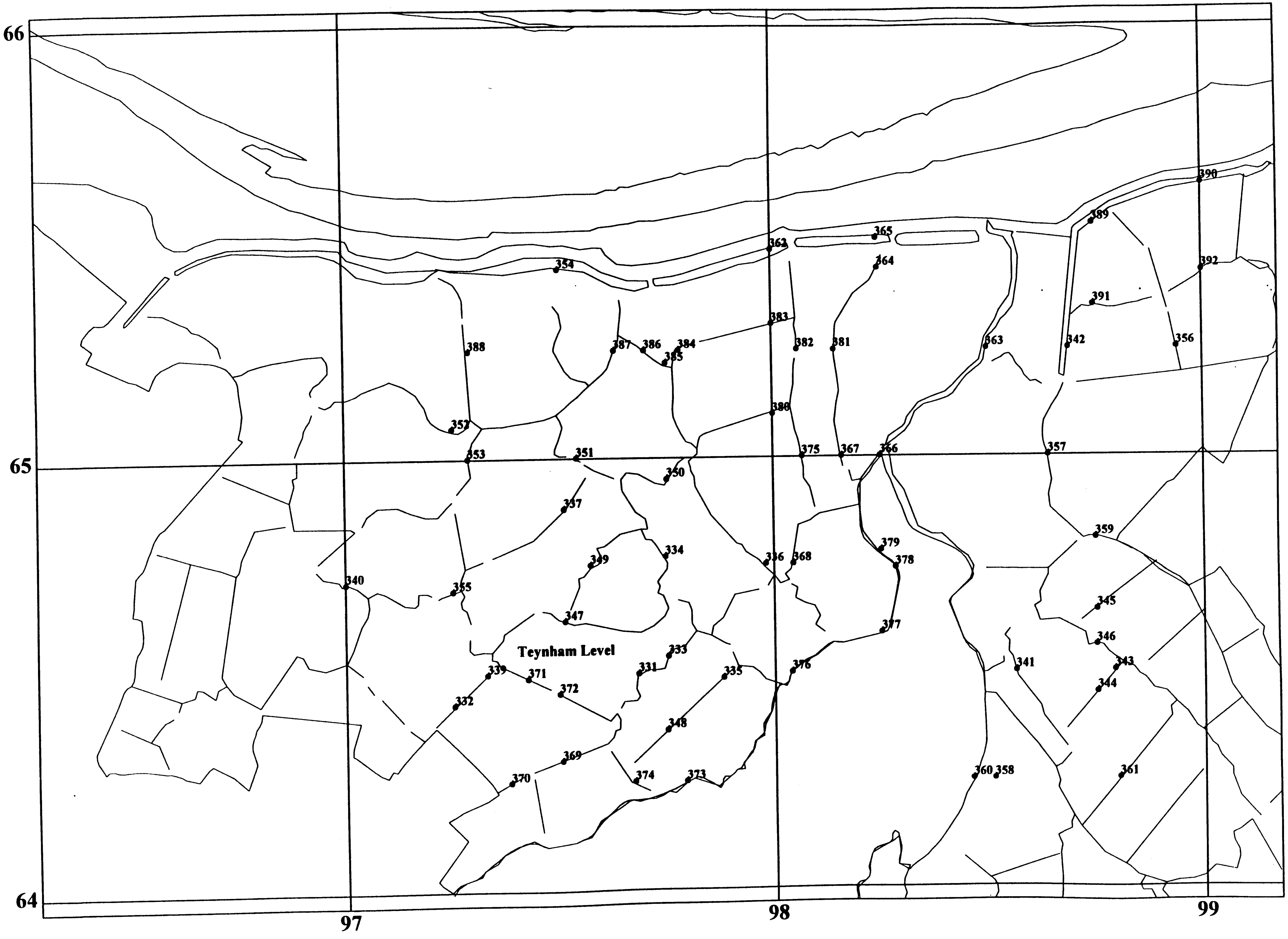
North Kent Marshes 1993 survey - Sample ditch numbers



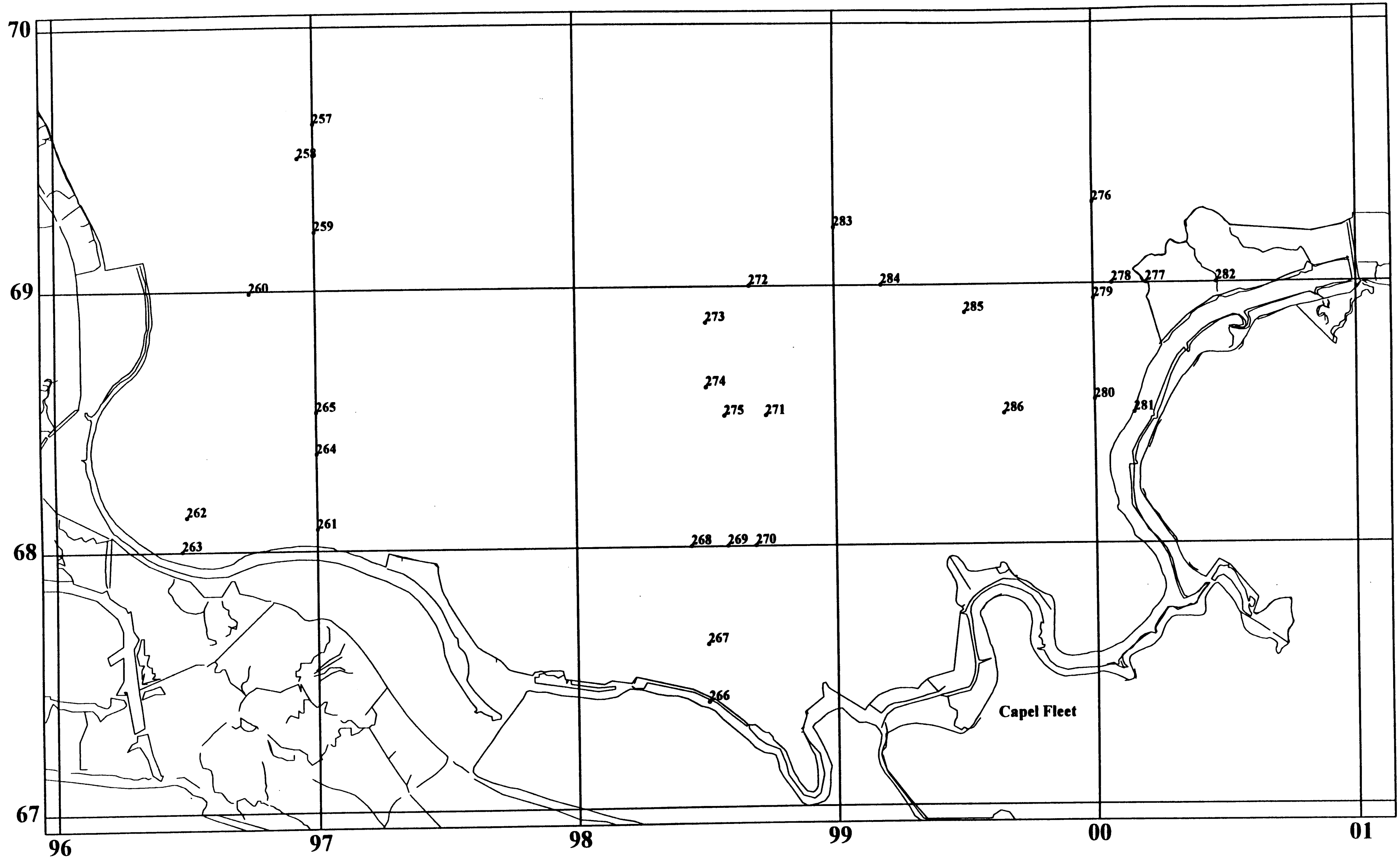
North Kent Marshes 1993 survey - Sample ditch numbers



North Kent Marshes 1993 survey - Sample ditch numbers



North Kent Marshes 1993 survey - Sample ditch numbers



North Kent Marshes 1993 survey - Sample ditch numbers

North Kent Marshes
1993 survey data (20 metre sample sections)
English Nature / National Rivers Authority

Sample number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Azolla filiculoides																				
Callitriche obtusangula		5	5							2										
Callitriche stagnalis/sp																				
Ceratophyllum demersum																				
Ceratophyllum submersum		7	5																	
Chara sp																				
Elodea canadensis																				
Elodea nuttallii																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna minor																				
Lemna trisulca																				
Myriophyllum spicatum					1	5	3	5				9	5		10			5		1
Myriophyllum verticillatum																				
Potamogeton crispus																				
Potamogeton pectinatus			7	5																
Potamogeton pusillus																				
Ranunculus baudotii		5	3		2				2				3	5						
Spirodela polyrhiza																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta																				
Eleocharis palustris					1									5						
Eleocharis uniglumis																				
Equisetum fluviatile																				
Glyceria fluitans	5																			
Glyceria maxima																				
Hippuris vulgaris													2					1	6	3
Nasturtium officinale																				
Oenanthe crocata																				
Oenanthe fistulosa																				
Phragmites australis									9	5	10		8					7		
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris lacustris																				
Scirpus lacustris tabernaemontani																				
Scirpus maritimus	10	10	9	10	9	8	6	5	5	9		10	10	5	10	5	10	5	6	9
Sparganium erectum																				
Typha angustifolia																10				
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata		3	2		2															
Agrostis stolonifera																				
Aster tripolium																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Rumex maritimus																				
Triglochin palustris																				
Scrub cover																				
Ditch choked	1									1	1									
Ditch dry	1									1	1									
Adjacent land use north / east	A					P			P	A	A	U			U				P	
Adjacent land use south / west	P					P			P	P	P	P			P				P	
Ditch width (nearest metre)	5					10			5	5	5	10			4				2	
Conductivity (µScm x 100)						27			30			26			28				20	

Sample number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Number of aquatic species	0	3	4	1	2	1	1	1	1	1	0	1	2	1	1	0	0	1	0	1
Number of emergent species	2	2	2	1	3	1	1	1	2	2	1	1	3	2	1	2	1	3	2	2
Number of bank species	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total number of species	2	5	6	2	5	2	2	2	3	3	1	2	5	3	2	2	1	4	2	3

Abundance recorded using a scale of 1 -10
Land use codes: P = pasture H = hay A = arable F = fence U = unmanaged

North Kent Marshes
1993 survey data (20 metre sample sections)
English Nature / National Rivers Authority

Sample number	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Azolla filiculoides																				
Callitriche obtusangula						5	5	2		5		1	2		4					
Callitriche stagnalis/sp																				
Ceratophyllum demersum																				
Ceratophyllum submersum			4	1		5			1	4	2	2						1	1	
Chara sp																				
Elodea canadensis																				
Elodea nuttallii																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna minor				5		5		1		5	4									
Lemna trisulca				5		4				5	1	2			4					3
Myriophyllum spicatum	5	10	5	5		2		5	5	5	9	8	1		5	1				
Myriophyllum verticillatum																				
Potamogeton crispus																				
Potamogeton pectinatus		3		1		5			3	5	5	5	5	10	6	4	3	2	1	5
Potamogeton pusillus				3													3	5		
Ranunculus baudotii						3	3	1			4	5	5	2		5	1		1	
Spirodela polyrhiza																				
Zannichellia palustris						1														
Alisma plantago-aquatica						3														
Apium nodiflorum						1														
Berula erecta																				
Eleocharis palustris					6	2	8	3	5		1									
Eleocharis uniglumis																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Nasturtium officinale																				
Oenanthe crocata																				
Oenanthe fistulosa																				
Phragmites australis				5	5	3											5			
Ranunculus sceleratus								1												
Rumex hydrolapathum																				
Scirpus lacustris lacustris																				
Scirpus lacustris tabernaemontani																				
Scirpus maritimus	10	10	10	5	5	4	5	5	5	7	5	5	5	10	6	5	7	10	5	9
Sparganium erectum					5															
Typha angustifolia																				
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Agrostis stolonifera																				
Aster tripolium																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Rumex maritimus																				
Triglochin palustris																				
Scrub cover																				
Ditch choked																				
Ditch dry							1													
Adjacent land use north / east	P	P	P	P	P	H	P	P	P	P	P	P		P	P	P	P	P	P	P
Adjacent land use south / west	P	P	P	P	P	H	P	P	H	P	P	P		P	P	U	U	P	P	P
Ditch width (nearest metre)	4	4	4	4	4	4	2	3	4	3	4	3		3	5	2	5	5	4	4
Conductivity (µScm x 100)	15	44	45	13	10	23		33	31	47	41	43		41	35	47	41	54	53	37

Sample number	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Number of aquatic species	1	2	2	6	0	8	2	4	3	6	6	6	4	2	4	3	3	3	3	2
Number of emergent species	1	1	1	2	4	5	2	3	2	1	2	1	1	1	1	1	2	1	1	1
Number of bank species	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total number of species	2	3	3	8	4	13	4	7	5	7	8	7	5	3	5	4	5	4	4	3

Abundance recorded using a scale of 1 -10
Land use codes: P = pasture H = hay A = arable F = fence U = unmanaged

North Kent Marshes
1993 survey data (20 metre sample sections)
English Nature / National Rivers Authority

Sample number	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Azolla filiculoides																				
Callitriche obtusangula	6				7	5	2	3			7				4	3			4	
Callitriche stagnalis/sp																				
Ceratophyllum demersum																				
Ceratophyllum submersum			5	5	5	4	5	6	10						5	3	5	5	4	10
Chara sp																				
Elodea canadensis																				
Elodea nuttallii																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna minor					5	5	5	5	5						4	1	2		5	4
Lemna trisulca					6	5	10	7		1										
Myriophyllum spicatum			10			5	1	1							4	4	4	5	1	
Myriophyllum verticillatum																				
Potamogeton crispus																				
Potamogeton pectinatus	2	8	5	10		5	5	5	2		3	5	4	10	7	5	5	5		4
Potamogeton pusillus													1							
Ranunculus baudotii	5		5	4	2	4	5	4		2	1	5			3	3			5	3
Spirodela polyrhiza																				
Zannichellia palustris																				
Alisma plantago-aquatica															2	1				
Apium nodiflorum																				
Berula erecta																				
Eleocharis palustris		1			5	5	5	5		8					6	5	4	5		
Eleocharis uniglumis																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Nasturtium officinale																				
Oenanthe crocata																				
Oenanthe fistulosa																				
Phragmites australis												5		7						
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris lacustris																				
Scirpus lacustris tabernaemontani																				
Scirpus maritimus	10	10	5	9	5	5	5		9	7	7	5	5	5	5	6	10	10	10	10
Sparganium erectum																				
Typha angustifolia																				
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Agrostis stolonifera	5							5			5								5	
Aster tripolium																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Rumex maritimus																				
Triglochin palustris																				
Scrub cover																				
Ditch choked																				
Ditch dry								1			1	1								
Adjacent land use north / east	P	P			P	H	H	P	P	H	P	P	P	P	P	U	U	U	U	U
Adjacent land use south / west	P	P			P	H	H	P	P	P	P	P	P	P	U	H	H	H	H	H
Ditch width (nearest metre)	4	3			5	3	8	2	2	10	1	2	3	4	5	4	4	2	2	4
Conductivity (µScm x 100)	37	41			36	45	37		54	36			40	53	89	44	44	37	37	41

Sample number	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Number of aquatic species	3	1	4	3	5	7	7	7	3	2	3	2	2	1	6	6	4	3	5	4
Number of emergent species	1	2	1	1	2	2	2	1	1	2	1	2	1	2	3	3	2	2	1	1
Number of bank species	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0
Total number of species	5	3	5	4	7	9	9	9	4	4	5	4	3	3	9	9	6	5	7	5

Abundance recorded using a scale of 1 -10
Land use codes: P = pasture H = hay A = arable F = fence U = unmanaged

North Kent Marshes
1993 survey data (20 metre sample sections)
English Nature / National Rivers Authority

Sample number	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
Azolla filiculoides																				
Callitriche obtusangula	5		2			6	2	1	2											
Callitriche stagnalis/sp																				
Ceratophyllum demersum																				
Ceratophyllum submersum									4			2							10	5
Chara sp																				
Elodea canadensis																				
Elodea nuttallii																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna minor	5					3		5	5			3								
Lemna trisulca	5					2		3	3											4
Myriophyllum spicatum												3								
Myriophyllum verticillatum																				
Potamogeton crispus																				
Potamogeton pectinatus	2	5	5	4				5	4				6			3	5	5	5	2
Potamogeton pusillus																				
Ranunculus baudotii		1	2	1	2						2		1	5	5	5				3
Spirodela polyrhiza																				
Zannichellia palustris																6				
Alisma plantago-aquatica						5														
Apium nodiflorum																				
Berula erecta																				
Eleocharis palustris				5		2	5	5	4	5	1	4								
Eleocharis uniglumis																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Nasturtium officinale																				
Oenanthe crocata																				
Oenanthe fistulosa																				
Phragmites australis											5		5	5	5					
Ranunculus sceleratus						1														
Rumex hydrolapathum																				
Scirpus lacustris lacustris																				
Scirpus lacustris tabernaemontani								3	6											
Scirpus maritimus	5	5	5	5	5	4	6	5	5	6	6	8	7	9	10	10	5	10	10	5
Sparganium erectum																				
Typha angustifolia							5	3												
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Agrostis stolonifera							5			2							4	1		2
Aster tripolium																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Rumex maritimus																				
Triglochin palustris																				
Scrub cover																				
Ditch choked							1													
Ditch dry							1	1				1	1						1	
Adjacent land use north / east	H	H		P	P	P	P	P	P	P	P	P	P	P	P				P	P
Adjacent land use south / west	H	H		P	P	P	P	P	P	P	P	P	P	P	P				P	P
Ditch width (nearest metre)	5	4		4	4	6	3	3	5	5	5	3	3	7	6				2	4
Conductivity (µScm x 100)	34	50		37	37	38			32	47	47			90	58					49

Sample number	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
Number of aquatic species	4	2	3	2	1	3	1	4	5	0	1	3	2	1	1	3	1	1	2	4
Number of emergent species	1	1	1	2	1	4	3	4	3	2	3	2	2	2	2	1	1	1	1	1
Number of bank species	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	1	0	1
Total number of species	5	3	4	4	2	7	5	8	8	3	4	5	4	3	3	4	3	3	3	6

Abundance recorded using a scale of 1 -10
Land use codes: P = pasture H = hay A = arable F = fence U = unmanaged

North Kent Marshes
1993 survey data (20 metre sample sections)
English Nature / National Rivers Authority

Sample number	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Azolla filiculoides																				
Callitriche obtusangula													5	3	2			1	5	
Callitriche stagnalis/sp																				
Ceratophyllum demersum																				
Ceratophyllum submersum							10		1				5	6					5	
Chara sp																				
Elodea canadensis																				
Elodea nuttallii																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna minor													5	5				4	5	
Lemna trisulca													5	5					5	
Myriophyllum spicatum													1	5						
Myriophyllum verticillatum																				
Potamogeton crispus																				
Potamogeton pectinatus	6	5	5	5	5	7	5	5	1	5				5	5			4	4	
Potamogeton pusillus																				
Ranunculus baudotii	5			4	5	4		1		5				2		3	5	1		
Spirodela polyrhiza																				
Zannichellia palustris					1	1		4												
Alisma plantago-aquatica																		4		
Apium nodiflorum																				
Berula erecta																				
Eleocharis palustris									3					1						
Eleocharis uniglumis																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Nasturtium officinale																				
Oenanthe crocata																				
Oenanthe fistulosa																				
Phragmites australis																				6
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris lacustris																				
Scirpus lacustris tabernaemontani					1															
Scirpus maritimus	7	10	6	9	8	10	5	5	9	3	6	7	5	5	10	5	7	5	5	5
Sparganium erectum																		1		
Typha angustifolia													10					1		
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Agrostis stolonifera											6	5								
Aster tripolium																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Rumex maritimus																				
Triglochin palustris																				
Scrub cover																				
Ditch choked																				
Ditch dry	N		N					1			1	1					1			
Adjacent land use north / east	P	P	P	P	P	P	P	P	P	P	H	H	H	P	P	P	U	H	U	P
Adjacent land use south / west	P	P	P	P	P	P	U	P	P	P	P	P	U	H	P	P	H	H	U	U
Ditch width (nearest metre)	2	5	3	7	6	2	8	2	4	5	2	2	4	5	3	6	1	4	6	8
Conductivity (µScm x 100)	57	42	87	43	41	39	36		56	64			37	32	89	81		41	37	66

Sample number	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Number of aquatic species	2	1	1	2	3	3	2	3	2	2	0	0	5	7	2	1	1	4	5	0
Number of emergent species	1	1	1	1	2	1	1	1	2	1	1	1	2	2	1	1	1	4	1	2
Number of bank species	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
Total number of species	3	2	2	3	5	4	3	4	4	3	2	2	7	9	3	2	2	8	6	2

Abundance recorded using a scale of 1 -10
Land use codes: P = pasture H = hay A = arable F = fence U = unmanaged

North Kent Marshes
1993 survey data (20 metre sample sections)
English Nature / National Rivers Authority

Sample number	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
Azolla filiculoides																				
Callitriche obtusangula																				
Callitriche stagnalis/sp																				
Ceratophyllum demersum																				
Ceratophyllum submersum							2	2	1						3	4	5	5	3	1
Chara sp																				
Elodea canadensis																				
Elodea nuttallii																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna minor							7						7				2			2
Lemna trisulca							5						5				1			
Myriophyllum spicatum																	1			
Myriophyllum verticillatum																				
Potamogeton crispus																				
Potamogeton pectinatus		10	10	1					4						3	2		2		
Potamogeton pusillus																				
Ranunculus baudotii		2					2	1						1	2		5		1	2
Spirodela polyrhiza																				
Zannichellia palustris									5							1			2	
Alisma plantago-aquatica																				
Apium nodiflorum																1	5			
Berula erecta																				
Eleocharis palustris			2				7	10					6			1	5	5	1	5
Eleocharis uniglumis																				
Equisetum fluviatile																				
Glyceria fluitans							5						6							
Glyceria maxima																				
Hippuris vulgaris																				
Nasturtium officinale		1					1													
Oenanthe crocata																				
Oenanthe fistulosa							3							1	1	2		2	5	5
Phragmites australis		8																	4	
Ranunculus sceleratus							1							1						
Rumex hydrolapathum																				
Scirpus lacustris lacustris																				
Scirpus lacustris tabernaemontani		1															5			4
Scirpus maritimus	10	4	7	5	10	10	5	2	5	10	10	9	4	10	10	10	5		1	8
Sparganium erectum																				2
Typha angustifolia		3	1																	
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata		1															3			
Agrostis stolonifera		5	5			5		5		5	5	9	3	3	5		5	4		10
Aster tripolium																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Rumex maritimus																				
Triglochin palustris																				
Scrub cover																				
Ditch choked																				
Ditch dry																				
Adjacent land use north / east	P		P			P	P	P	P									P	P	P
Adjacent land use south / west	U		P			P	P	P	P									P	P	P
Ditch width (nearest metre)	8		3			2	3	4	3									4	4	3
Conductivity (µScm x 100)	66		32			100	32	27	97									41	29	20

Sample number	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
Number of aquatic species	0	2	1	1	0	0	4	2	3	0	0	0	2	1	3	3	5	2	3	3
Number of emergent species	1	6	3	1	1	1	6	2	1	1	1	1	3	3	2	4	5	2	4	5
Number of bank species	0	1	1	0	0	1	0	1	0	1	1	1	1	1	1	0	1	1	0	1
Total number of species	1	9	5	2	1	2	10	5	4	2	2	2	6	5	6	7	11	5	7	9

Abundance recorded using a scale of 1 -10
Land use codes: P = pasture H = hay A = arable F = fence U = unmanaged

North Kent Marshes
1993 survey data (20 metre sample sections)
English Nature / National Rivers Authority

Sample number	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
Azolla filiculoides																				
Callitriche obtusangula																				
Callitriche stagnalis/sp																				
Ceratophyllum demersum																				
Ceratophyllum submersum	1	5	2			6	4	5	4	3		10		2	6	3	5	7		
Chara sp																				
Elodea canadensis																				
Elodea nuttallii																				
Hydrocharis morsus-ranae																				
Lemna gibba						5		5	5	5	10		10	5	5	4	5		5	10
Lemna minor	1	1				5		5	10	10	5	1	5	5	5	5	5		10	5
Lemna trisulca	2					10	10	10	10	10	10	10	10	6	10	10	10	10	10	10
Myriophyllum spicatum				7	5									2						
Myriophyllum verticillatum																				
Potamogeton crispus																				
Potamogeton pectinatus			2			4	5	5		1		2	1	5						
Potamogeton pusillus														2						
Ranunculus baudotii		5	2	1		2	2	5			2						1			
Spirodela polyrhiza																				
Zannichellia palustris														1						
Alisma plantago-aquatica																			1	
Apium nodiflorum		5	1	2	1															
Berula erecta																				
Eleocharis palustris	4	10	5	5	3	5	5	4	6	5	5	5	5	5	3	5	4	1		5
Eleocharis uniglumis																				
Equisetum fluviatile																				
Glyceria fluitans															4		2	1	5	3
Glyceria maxima																				
Hippuris vulgaris																				
Nasturtium officinale	2			2		1	1	2	4	2			4							4
Oenanthe crocata																				
Oenanthe fistulosa	5	3	5																	
Phragmites australis																5				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris lacustris																				
Scirpus lacustris tabernaemontani	3																			
Scirpus maritimus	5	1	5	3	6	5	5	5	1	3	4	5	1		1	4	1	2		
Sparganium erectum	2	5	6	7	2															
Typha angustifolia																				
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata		3	1	3	5															
Agrostis stolonifera	9	4			3															
Aster tripolium																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Rumex maritimus																				
Triglochin palustris																				
Scrub cover																				
Ditch choked																				
Ditch dry																				
Adjacent land use north / east						P	P	P	P	P	P	P	P	H	P	P	P			P
Adjacent land use south / west						P	P	P	P	P	P	H	F	P	P	P	P			F
Ditch width (nearest metre)						3	4	3	4	4	4	3	4	4	4	3	3			4
Conductivity (µScm x 100)						24	23	18	13	13	10	42	9	26	12	23	14			9

Sample number	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
Number of aquatic species	3	3	3	2	1	6	4	6	4	5	4	4	4	8	4	4	5	2	3	3
Number of emergent species	6	6	6	6	5	3	3	3	3	3	2	2	3	1	3	3	3	3	2	3
Number of bank species	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total number of species	10	10	9	8	7	9	7	9	7	8	6	6	7	9	7	7	8	5	5	6

Abundance recorded using a scale of 1 -10
Land use codes: P = pasture H = hay A = arable F = fence U = unmanaged

North Kent Marshes
1993 survey data (20 metre sample sections)
English Nature / National Rivers Authority

Sample number	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
Azolla filiculoides									8	10								1		
Callitriche obtusangula		6			4								3							
Callitriche stagnalis/sp																				
Ceratophyllum demersum																				
Ceratophyllum submersum	5																			
Chara sp																				
Elodea canadensis																				
Elodea nuttallii																				
Hydrocharis morsus-ranae																				
Lemna gibba	5																			2
Lemna minor	1	4																4		2
Lemna trisulca	10	10			3				5	5										
Myriophyllum spicatum																				
Myriophyllum verticillatum																				
Potamogeton crispus																				
Potamogeton pectinatus	2																			
Potamogeton pusillus																				1
Ranunculus baudotii	2																			
Spirodela polyrhiza																				
Zannichellia palustris																				
Alisma plantago-aquatica		3			1															
Apium nodiflorum																				
Berula erecta																				
Eleocharis palustris	4																			
Eleocharis uniglumis																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Nasturtium officinale					2															
Oenanthe crocata																				
Oenanthe fistulosa																				
Phragmites australis			10	10		10	10	10	10	10	10	10	10	10	10	1	10	10	10	5
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris lacustris																				
Scirpus lacustris tabernaemontani																				
Scirpus maritimus	5							4						5	5	10		1		1
Sparganium erectum																				
Typha angustifolia		10			10		5				5			3		4	3			10
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Agrostis stolonifera																5				4
Aster tripolium																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis scorpioides					1															
Oenanthe lachenalii																				
Rumex maritimus																				
Triglochin palustris																				
Scrub cover																				
Ditch choked																				
Ditch dry																				
Adjacent land use north / east	P																			
Adjacent land use south / west	P																			
Ditch width (nearest metre)	3																			
Conductivity (µScm x 100)	25																			

Sample number	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
Number of aquatic species	6	3	0	0	2	0	0	0	2	2	0	0	1	0	0	0	0	2	0	3
Number of emergent species	2	2	1	1	3	1	2	2	1	1	2	1	1	3	2	3	2	2	1	3
Number of bank species	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Total number of species	8	5	1	1	6	1	2	2	3	3	2	1	2	3	2	4	2	4	1	7

Abundance recorded using a scale of 1 -10
Land use codes: P = pasture H = hay A = arable F = fence U = unmanaged

North Kent Marshes
1993 survey data (20 metre sample sections)
English Nature / National Rivers Authority

Sample number	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
Azolla filiculoides					5	7														
Callitriche obtusangula	1			5																
Callitriche stagnalis/sp																				
Ceratophyllum demersum																				
Ceratophyllum submersum	10			10	10															
Chara sp																				
Elodea canadensis																				
Elodea nuttallii																				
Hydrocharis morsus-ranae																				
Lemna gibba				4																
Lemna minor	5		10	5	4	7	1													
Lemna trisulca	5		10	5	5	5														
Myriophyllum spicatum																				
Myriophyllum verticillatum																				
Potamogeton crispus																				
Potamogeton pectinatus	6			4	3					10	10			10	10					10
Potamogeton pusillus																				
Ranunculus baudotii				2	1															
Spirodela polyrhiza																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum		2	5	4			3													
Berula erecta																				
Eleocharis palustris	1		1																	
Eleocharis uniglumis																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Nasturtium officinale				2																
Oenanthe crocata																				
Oenanthe fistulosa																				
Phragmites australis					10															
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris lacustris																				
Scirpus lacustris tabernaemontani	1		1	5																
Scirpus maritimus	5	5	5	5		5		10	4	5	10	10	10	10	7	10	10	10	10	10
Sparganium erectum																				
Typha angustifolia		10				10														
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Agrostis stolonifera							1										5			
Aster tripolium																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Rumex maritimus																				
Triglochin palustris																				
Scrub cover																				
Ditch choked																				
Ditch dry																				
Adjacent land use north / east																				
Adjacent land use south / west																				
Ditch width (nearest metre)																				
Conductivity (µScm x 100)																				

Sample number	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
Number of aquatic species	5	0	2	7	6	3	1	0	0	1	1	0	0	1	1	0	0	0	0	1
Number of emergent species	3	3	4	4	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Number of bank species	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0
Total number of species	8	3	6	11	7	5	3	1	1	2	2	1	1	2	2	1	2	1	1	2

Abundance recorded using a scale of 1 -10
Land use codes: P = pasture H = hay A = arable F = fence U = unmanaged

North Kent Marshes
1993 survey data (20 metre sample sections)
English Nature / National Rivers Authority

Sample number	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
Azolla filiculoides																				
Callitriche obtusangula		1																		
Callitriche stagnalis/sp																				
Ceratophyllum demersum																				
Ceratophyllum submersum																			2	
Chara sp																				
Elodea canadensis																				
Elodea nuttallii																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna minor																				
Lemna trisulca																				
Myriophyllum spicatum	10											5								
Myriophyllum verticillatum																				
Potamogeton crispus																				
Potamogeton pectinatus						10		10			5	5	7	1		1		2	2	1
Potamogeton pusillus																				
Ranunculus baudotii																			3	5
Spirodela polyrhiza																				
Zannichellia palustris											5	1								
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta																				
Eleocharis palustris																				
Eleocharis uniglumis																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Nasturtium officinale																				
Oenanthe crocata																				
Oenanthe fistulosa																				
Phragmites australis																				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris lacustris																				
Scirpus lacustris tabernaemontani																				
Scirpus maritimus	10	8	10	9	10	5	10	10	10	10	5	10	10	10	10	10	10	10	10	10
Sparganium erectum																				
Typha angustifolia																				
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Agrostis stolonifera		5	5	5	5		7		5	5					5		1			5
Aster tripolium																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Rumex maritimus																				
Triglochin palustris																				
Scrub cover																				
Ditch choked																				
Ditch dry																				
Adjacent land use north / east															P	P	U		P	P
Adjacent land use south / west															P	U	P		P	P
Ditch width (nearest metre)															2	4	3		4	5
Conductivity (µScm x 100)															80	88	70		86	74

Sample number	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
Number of aquatic species	1	1	0	0	0	1	0	1	0	0	2	3	1	1	0	1	0	1	3	2
Number of emergent species	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Number of bank species	0	1	1	1	1	0	1	0	1	1	0	0	0	0	1	0	1	0	0	1
Total number of species	2	3	2	2	2	2	2	2	2	2	3	4	2	2	2	2	2	2	4	4

Abundance recorded using a scale of 1 -10
Land use codes: P = pasture H = hay A = arable F = fence U = unmanaged

North Kent Marshes
1993 survey data (20 metre sample sections)
English Nature / National Rivers Authority

Sample number	201	202	203	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221
Azolla filiculoides																				
Callitriche obtusangula																				
Callitriche stagnalis/sp																				
Ceratophyllum demersum																				
Ceratophyllum submersum																				
Chara sp																				
Elodea canadensis																				
Elodea nuttallii																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna minor																				
Lemna trisulca																				
Myriophyllum spicatum				4								5								
Myriophyllum verticillatum																				
Potamogeton crispus																				
Potamogeton pectinatus		2		5			5	1				5	5					10	4	3
Potamogeton pusillus									1											
Ranunculus baudotii		5				2	3	4	2				3	4			3	3		
Spirodela polyrhiza																				
Zannichellia palustris				1								4						1	5	
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta																				
Eleocharis palustris																				
Eleocharis uniglumis																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Nasturtium officinale																				
Oenanthe crocata																				
Oenanthe fistulosa					1															
Phragmites australis				1				10						10						
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris lacustris																				
Scirpus lacustris tabernaemontani																				
Scirpus maritimus	10	10	10	10	10	10	10	5	10	10	10	10	10	10	10	10	10	8	10	10
Sparganium erectum																				
Typha angustifolia																				
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Agrostis stolonifera	5		10		5	5			3	5	5			5	5		7			5
Aster tripolium																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Rumex maritimus																				
Triglochin palustris																				
Scrub cover																				
Ditch choked																				
Ditch dry																				
Adjacent land use north / east	H		H			P			H	H	H			H		H	H	H		H
Adjacent land use south / west	H		H			P			H	H	H			H		H	H	U		H
Ditch width (nearest metre)	3		2			2			4	2	4			10		2	2	3		15
Conductivity (µScm x 100)	82		97			50			81	53	75			87		72	76	84		77

Sample number	201	202	203	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221
Number of aquatic species	0	2	0	3	0	1	2	2	2	0	0	3	2	1	0	0	1	3	2	1
Number of emergent species	1	1	1	2	2	1	1	2	1	1	1	1	1	2	1	1	1	1	1	1
Number of bank species	1	0	1	0	1	1	0	0	1	1	1	0	0	1	1	0	1	0	0	1
Total number of species	2	3	2	5	3	3	3	4	4	2	2	4	3	4	2	1	3	4	3	3

Abundance recorded using a scale of 1 -10
Land use codes: P = pasture H = hay A = arable F = fence U = unmanaged

North Kent Marshes
1993 survey data (20 metre sample sections)
English Nature / National Rivers Authority

Sample number	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241
Azolla filiculoides														6						
Callitriche obtusangula																				
Callitriche stagnalis/sp																	5		5	2
Ceratophyllum demersum																				
Ceratophyllum submersum		1		4						5										
Chara sp																				
Elodea canadensis																			1	
Elodea nuttallii													5	7	7			10	5	5
Hydrocharis morsus-ranae																	5		5	4
Lemna gibba														4		2		5	5	5
Lemna minor													8	5	5	4		5		
Lemna trisulca															4		1		4	
Myriophyllum spicatum				1																
Myriophyllum verticillatum																				
Potamogeton crispus															1		1			
Potamogeton pectinatus	5	10		10		7	5		5	8	10	10								
Potamogeton pusillus																				
Ranunculus baudotii	1		1			1	3			1	5								5	5
Spirodela polyrhiza																				
Zannichellia palustris							4		2		2	3			3			1	5	3
Alisma plantago-aquatica																				
Apium nodiflorum													10	7	8	10	3	5	5	3
Berula erecta																				
Eleocharis palustris																				
Eleocharis uniglumis																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Nasturtium officinale																				
Oenanthe crocata																		1		
Oenanthe fistulosa	1													8	10			5	5	1
Phragmites australis							5													
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris lacustris													6	2		5				
Scirpus lacustris tabernaemontani		1											6	1		5	10	2	2	5
Scirpus maritimus	10	10	10	10	10	10	5	10	10	10	10	10		2			1	2	4	10
Sparganium erectum																				
Typha angustifolia																				
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Agrostis stolonifera	5				5			5								2		5		
Aster tripolium																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Rumex maritimus																				
Triglochin palustris																				
Scrub cover																				
Ditch choked																				
Ditch dry																				
Adjacent land use north / east	H	H	H	H	H			H	H	H	H		H	P	P	H	P		P	P
Adjacent land use south / west	H	H	H	H	H			H	H	U	P		P	H	H	F	P		H	H
Ditch width (nearest metre)	3	10	3	10	2			2	20	3	25		4	5	4	4	8		7	7
Conductivity (µScm x 100)	87	57	67	77	67			80	62	76	64		31	12	12	30	21		8	6

Sample number	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241
Number of aquatic species	2	2	1	3	0	2	3	0	2	3	3	2	2	4	4	2	4	3	7	5
Number of emergent species	2	2	1	1	1	1	2	1	1	1	1	1	3	5	3	3	3	6	5	5
Number of bank species	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0
Total number of species	5	4	2	4	2	3	5	2	3	4	4	3	5	9	7	6	7	10	12	10

Abundance recorded using a scale of 1 -10
Land use codes: P = pasture H = hay A = arable F = fence U = unmanaged

North Kent Marshes
1993 survey data (20 metre sample sections)
English Nature / National Rivers Authority

Sample number	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261
Azolla filiculoides																				
Callitriche obtusangula																				
Callitriche stagnalis/sp																				
Ceratophyllum demersum		5	4	3			3	10						1						
Ceratophyllum submersum										2										
Chara sp																				
Elodea canadensis																				
Elodea nuttallii			1																	
Hydrocharis morsus-ranae	5	5	1	1			5	5		3		5		5						
Lemna gibba		9	6	7									5							
Lemna minor	5	5	1	3		5	5	5	3					1	5					
Lemna trisulca	10				10	9	6	5		9		10	10	10	10					
Myriophyllum spicatum			4																	
Myriophyllum verticillatum																				
Potamogeton crispus																				
Potamogeton pectinatus																		10		4
Potamogeton pusillus																				
Ranunculus baudotii																				
Spirodela polyrhiza		6																		
Zannichellia palustris																		10		5
Alisma plantago-aquatica	1	1																		
Apium nodiflorum			1	6				2		1			4							
Berula erecta		5	3			3	5	3	8	2		7	1	9	6					
Eleocharis palustris																				
Eleocharis uniglumis																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Nasturtium officinale		1																		
Oenanthe crocata																				
Oenanthe fistulosa	5	1												4	1					
Phragmites australis	10	5	5	5	10	10	10	10	10	10	10	10	10	8	10					
Ranunculus sceleratus																				
Rumex hydrolapathum	3						3	2												
Scirpus lacustris lacustris																				
Scirpus lacustris tabernaemontani				4																
Scirpus maritimus		2	10		5	5	1	5								10	10	5	7	10
Sparganium erectum	1																			
Typha angustifolia																				
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Agrostis stolonifera																5	4			
Aster tripolium																				
Lycopus europaeus																				
Mentha aquatica							2	1												
Myosotis scorpioides																				
Oenanthe lachenalii																				
Rumex maritimus																				
Triglochin palustris																				
Scrub cover																				
Ditch choked					1			1	1	1	1	1	1	1	1					
Ditch dry					1					1	1		1							
Adjacent land use north / east		H	P	P	H			P	H	P	P	P	P	P	P					
Adjacent land use south / west		P	P	P	P			P	P	P	P	P	P	P	P					
Ditch width (nearest metre)		8	8	5	4			5	4	4	4	4	4	4	4					
Conductivity (µScm x 100)		17	19	20				22	23		24	28		24	24					

Sample number	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261
Number of aquatic species	3	5	6	4	1	2	4	4	1	3	0	2	2	4	2	0	0	2	0	2
Number of emergent species	5	6	4	3	2	3	4	5	2	3	1	2	3	3	3	1	1	1	1	1
Number of bank species	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0
Total number of species	8	11	10	7	3	5	9	10	3	6	1	4	5	7	5	2	2	3	1	3

Abundance recorded using a scale of 1 -10
Land use codes: P = pasture H = hay A = arable F = fence U = unmanaged

North Kent Marshes
1993 survey data (20 metre sample sections)
English Nature / National Rivers Authority

Sample number	262	263	264	265	266	267	268	269	270	271	272	273	276	277	278	279	280	281	282	283
Azolla filiculoides																10				
Callitriche obtusangula																				
Callitriche stagnalis/sp																				
Ceratophyllum demersum																				
Ceratophyllum submersum								9			5								5	3
Chara sp																				
Elodea canadensis																				
Elodea nuttallii																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna minor										1	5									5
Lemna trisulca										8										
Myriophyllum spicatum														8						
Myriophyllum verticillatum																				
Potamogeton crispus																				5
Potamogeton pectinatus			10	10				2						3			5		7	
Potamogeton pusillus								5												1
Ranunculus baudotii																			4	
Spirodela polyrhiza																				
Zannichellia palustris			2	1													4			
Alisma plantago-aquatica										2										
Apium nodiflorum																				
Berula erecta										5	5									2
Eleocharis palustris										2	2			5					4	1
Eleocharis uniglumis																				
Equisetum fluviatile																				
Glyceria fluitans																				1
Glyceria maxima																				
Hippuris vulgaris																				
Nasturtium officinale											5									5
Oenanthe crocata																				
Oenanthe fistulosa																				
Phragmites australis							10					10						1		
Ranunculus sceleratus										1										
Rumex hydrolapathum																				
Scirpus lacustris lacustris																				
Scirpus lacustris tabernaemontani									1	1										
Scirpus maritimus	10	6	5	5	10	10		5	10	5	5	5	7	10	10		10	10	5	4
Sparganium erectum										4				8						3
Typha angustifolia										1		7		2	4					
Typha latifolia									2											
Veronica anagallis-aquatica																				
Veronica catenata																				
Agrostis stolonifera																				
Aster tripolium																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis scorpioides																				
Oenanthe lachenalii													3		2			2		
Rumex maritimus																				
Triglochin palustris																				
Scrub cover																				
Ditch choked																				
Ditch dry																				
Adjacent land use north / east																				
Adjacent land use south / west																				
Ditch width (nearest metre)																				
Conductivity (µScm x 100)																				

Sample number	262	263	264	265	266	267	268	269	270	271	272	273	276	277	278	279	280	281	282	283
Number of aquatic species	0	0	2	2	0	0	0	3	0	2	2	0	0	2	0	1	2	0	3	4
Number of emergent species	1	1	1	1	1	1	1	1	3	8	4	3	1	4	2	0	1	2	2	6
Number of bank species	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	0
Total number of species	1	1	3	3	1	1	1	4	3	10	6	3	2	6	3	1	3	3	5	10

Abundance recorded using a scale of 1 -10
Land use codes: P = pasture H = hay A = arable F = fence U = unmanaged

North Kent Marshes
1993 survey data (20 metre sample sections)
English Nature / National Rivers Authority

Sample number	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303
Azolla filiculoides																				
Callitriche obtusangula																				
Callitriche stagnalis/sp				5			3	3		1						3				
Ceratophyllum demersum																				
Ceratophyllum submersum	1				5	5		5												
Chara sp																				
Elodea canadensis																				
Elodea nuttallii																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna minor									1				2							
Lemna trisulca	2				5	5		5	1							3				
Myriophyllum spicatum	9			5			5			5										
Myriophyllum verticillatum																				
Potamogeton crispus																				
Potamogeton pectinatus	4					5	2	5												
Potamogeton pusillus																				
Ranunculus baudotii																				
Spirodela polyrhiza					5	5		5												
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum								5								1				
Berula erecta																				
Eleocharis palustris	4																			
Eleocharis uniglumis																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Nasturtium officinale								1												
Oenanthe crocata																				
Oenanthe fistulosa																				
Phragmites australis				10	5		10			10					10				10	10
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris lacustris																				
Scirpus lacustris tabernaemontani	1				1	2		5	1							3				
Scirpus maritimus	5	10	10			5		4	5		5	7	8	6		9	5	5		
Sparganium erectum	5																			
Typha angustifolia									4							3				
Typha latifolia							5													
Veronica anagallis-aquatica																				
Veronica catenata																				
Agrostis stolonifera									5			10	6	3	5					
Aster tripolium																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Rumex maritimus																				
Triglochin palustris																				
Scrub cover																				
Ditch choked																				
Ditch dry																				
Adjacent land use north / east																				
Adjacent land use south / west																				
Ditch width (nearest metre)																				
Conductivity (µScm x 100)																				

Sample number	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303
Number of aquatic species	4	0	0	2	3	4	3	5	2	2	0	0	1	0	0	2	0	0	0	0
Number of emergent species	4	1	1	1	2	2	2	4	3	1	1	1	1	1	1	4	1	1	1	1
Number of bank species	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	0
Total number of species	8	1	1	3	5	6	5	9	6	3	1	2	3	2	2	6	1	1	1	1

Abundance recorded using a scale of 1 -10
Land use codes: P = pasture H = hay A = arable F = fence U = unmanaged

North Kent Marshes
1993 survey data (20 metre sample sections)
English Nature / National Rivers Authority

Sample number	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323
Azolla filiculoides																				
Callitriche obtusangula		5		5																
Callitriche stagnalis/sp																				
Ceratophyllum demersum																				
Ceratophyllum submersum																				
Chara sp																				
Elodea canadensis																				
Elodea nuttallii																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna minor		1																		
Lemna trisulca																				
Myriophyllum spicatum																				
Myriophyllum verticillatum																				
Potamogeton crispus																		3		
Potamogeton pectinatus																				
Potamogeton pusillus																				
Ranunculus baudotii		6																		
Spirodela polyrhiza																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta																				
Eleocharis palustris																				
Eleocharis uniglumis																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Nasturtium officinale																				
Oenanthe crocata																				
Oenanthe fistulosa																				
Phragmites australis	10		10	10	10	10	10		10	10	10	10	10		10	5	10			
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris lacustris																				
Scirpus lacustris tabernaemontani																				
Scirpus maritimus		10						10						5				5	5	5
Sparganium erectum																				
Typha angustifolia			5		3													3		
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata		3																		
Agrostis stolonifera		3																		
Aster tripolium									1		2									1
Lycopus europaeus																				
Mentha aquatica																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Rumex maritimus																				
Triglochin palustris																				
Scrub cover																				
Ditch choked																				
Ditch dry																				
Adjacent land use north / east																				
Adjacent land use south / west																				
Ditch width (nearest metre)																				
Conductivity (µScm x 100)																				

Sample number	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323
Number of aquatic species	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Number of emergent species	1	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
Number of bank species	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1
Total number of species	1	6	2	2	2	1	1	1	2	1	2	1	1	1	1	1	1	3	1	2

Abundance recorded using a scale of 1 -10
Land use codes: P = pasture H = hay A = arable F = fence U = unmanaged

North Kent Marshes
1993 survey data (20 metre sample sections)
English Nature / National Rivers Authority

Sample number	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343
Azolla filiculoides																				
Callitriche obtusangula																				
Callitriche stagnalis/sp								3		1							3			
Ceratophyllum demersum														10						
Ceratophyllum submersum								10	10	10	10		10		10	10	10			
Chara sp																				
Elodea canadensis																				
Elodea nuttallii																				
Hydrocharis morsus-ranae																		5		
Lemna gibba																				
Lemna minor								5	5	5	5	3	5	5	5	5	5	5		5
Lemna trisulca								5	5	5	5	3	5	4	5	5	5	5		
Myriophyllum spicatum																		5		
Myriophyllum verticillatum																				
Potamogeton crispus																	1			
Potamogeton pectinatus												3	2	1	4			2		
Potamogeton pusillus																				
Ranunculus baudotii																				
Spirodela polyrhiza																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum																		7		5
Berula erecta								5	5	5	5		5	5	4	5	5			
Eleocharis palustris								6		5	5	3	7	5	5		5	3		
Eleocharis uniglumis																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																		6		9
Hippuris vulgaris																				
Nasturtium officinale										3	5			2	4		4			
Oenanthe crocata																				1
Oenanthe fistulosa										1			5		5			5		3
Phragmites australis		5		10	10	5	5		10	10	2	3	5	3		10		5		3
Ranunculus sceleratus																				
Rumex hydrolapathum													1							
Scirpus lacustris lacustris																				
Scirpus lacustris tabernaemontani															3	2				
Scirpus maritimus	5	5	10		2	2									5			5	10	
Sparganium erectum								5	1	9							3	5		
Typha angustifolia					2											8				
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Agrostis stolonifera																				
Aster tripolium		5																		
Lycopus europaeus																				
Mentha aquatica																1				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Rumex maritimus																				
Triglochin palustris															4					
Scrub cover																				
Ditch choked									1											1
Ditch dry																				
Adjacent land use north / east								P	U	P	P	P	P	P			P	P	P	P
Adjacent land use south / west								P	P	P	P	P	P	P			P	P	P	P
Ditch width (nearest metre)								5	3	5	4	4	4	4			4	7	15	4
Conductivity (µScm x 100)								7	5	7	7	7	6	14			13	13	37	13

Sample number	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343
Number of aquatic species	0	0	0	0	0	0	0	4	3	4	3	3	4	4	4	3	5	5	0	1
Number of emergent species	1	2	1	1	3	2	1	3	3	6	4	2	5	4	6	4	4	7	1	5
Number of bank species	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
Total number of species	1	3	1	1	3	2	1	7	6	10	7	5	9	8	11	8	9	12	1	6

Abundance recorded using a scale of 1 -10
Land use codes: P = pasture H = hay A = arable F = fence U = unmanaged

North Kent Marshes
1993 survey data (20 metre sample sections)
English Nature / National Rivers Authority

Sample number	344	345	346	347	348	349	350	351	352	353	354	355	356	357	359	360	361	362	363	364
Azolla filiculoides																				
Callitriche obtusangula												4								
Callitriche stagnalis/sp			5												2					
Ceratophyllum demersum												5								
Ceratophyllum submersum				10	1	10	10	9	10	10		5								
Chara sp	5				2							4			3					
Elodea canadensis			2		2							5								
Elodea nuttallii																				
Hydrocharis morsus-ranae			5												5					
Lemna gibba																				
Lemna minor			5	5	5	5	5	5	5	5		5		4		2				
Lemna trisulca			5	5	5	5	5	5	5						5		5	1		
Myriophyllum spicatum														3	2		4			
Myriophyllum verticillatum			6																	
Potamogeton crispus																				
Potamogeton pectinatus					4	2	2	4	1						5					10
Potamogeton pusillus																				
Ranunculus baudotii															4			3		5
Spirodela polyrhiza																				
Zannichellia palustris																				
Alisma plantago-aquatica															2					
Apium nodiflorum	4		5		1											1				
Berula erecta				5		5	5	4	4	5				4	5		5	5		
Eleocharis palustris				5	1	5	5	5	5	5					5		4			
Eleocharis uniglumis																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima			8												5	5			5	
Hippuris vulgaris																				
Nasturtium officinale			1	2		1													4	
Oenanthe crocata																				
Oenanthe fistulosa	3	4	3	3				1							2		3			
Phragmites australis	2	10			5	5	5	4			10				5		5		5	
Ranunculus sceleratus																				
Rumex hydrolapathum																2			1	
Scirpus lacustris lacustris															4		2			
Scirpus lacustris tabernaemontani	1			5										1	1			10		5
Scirpus maritimus				5		1	5	5			5		5	8			3	10	1	5
Sparganium erectum			10					3	5	3					3		1		1	
Typha angustifolia																				
Typha latifolia																				
Veronica anagallis-aquatica										1										
Veronica catenata			1												1					
Agrostis stolonifera																		10		
Aster tripolium																				
Lycopus europaeus																				
Mentha aquatica															4					
Myosotis scorpioides			4																	
Oenanthe lachenalii																				
Rumex maritimus																				
Triglochin palustris																				
Scrub cover																				
Ditch choked	1	1									1			1			1	1		
Ditch dry											1		1					1		
Adjacent land use north / east	P	P	P	P	P	P		P	P		P	P	P	P	P	P	P	P	P	P
Adjacent land use south / west	P	P	P	P	P	P		P	P		F	P	P	P	H	U	P	F	P	P
Ditch width (nearest metre)	4	3	8	4	4	4		4	5		15	4	3	4	5	8	4	15	25	4
Conductivity (µScm x 100)	13	15	3	7	7	6		16	10			14		117	22	7	19		8	33

Sample number	344	345	346	347	348	349	350	351	352	353	354	355	356	357	359	360	361	362	363	364
Number of aquatic species	1	0	6	3	6	4	4	4	4	2	0	6	0	2	7	1	2	2	0	2
Number of emergent species	4	2	6	6	3	5	4	6	3	4	2	0	1	3	10	3	7	3	6	2
Number of bank species	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
Total number of species	5	2	13	9	9	9	8	10	7	6	2	6	1	5	18	4	9	6	6	4

Abundance recorded using a scale of 1 -10
Land use codes: P = pasture H = hay A = arable F = fence U = unmanaged

North Kent Marshes
1993 survey data (20 metre sample sections)
English Nature / National Rivers Authority

Sample number	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384
Azolla filiculoides																				
Callitriche obtusangula					4											1				
Callitriche stagnalis/sp					1		4	1	5	1		3	5					1		
Ceratophyllum demersum																				
Ceratophyllum submersum					4	5	5	5			4					3		3	2	5
Chara sp																				
Elodea canadensis																				
Elodea nuttallii																				
Hydrocharis morsus-ranae		1																		
Lemna gibba																				
Lemna minor				5	5	10	5	5		5	5				1	5		5		5
Lemna trisulca				1	1	5	5	5		1	4					3		5	5	
Myriophyllum spicatum									1	2	2							1		
Myriophyllum verticillatum																				
Potamogeton crispus						1		5												
Potamogeton pectinatus			5			1						5					5			
Potamogeton pusillus													5				1			
Ranunculus baudotii			2																	
Spirodela polyrhiza																				
Zannichellia palustris															1					
Alisma plantago-aquatica																				
Apium nodiflorum					5	5	4					1	1						3	4
Berula erecta							1			4				1		7		3		2
Eleocharis palustris				5	5		5	5				2	1	3		5		3		5
Eleocharis uniglumis																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima		5		5	5				5			5	2	6	10					
Hippuris vulgaris		1														2				
Nasturtium officinale		5			5	1	5		3	1		1	5	4	5	1		3	2	
Oenanthe crocata																				
Oenanthe fistulosa																2				3
Phragmites australis	10	5	10		5	5	5	10		10	2		1	10	10	4	3	10	10	10
Ranunculus sceleratus							2													
Rumex hydrolapathum																				
Scirpus lacustris lacustris																				
Scirpus lacustris tabernaemontani											5					5	5	4	4	3
Scirpus maritimus	4	4	4	3			5				3		1			4	10		2	
Sparganium erectum					1	3						1	5							
Typha angustifolia																				
Typha latifolia																1				
Veronica anagallis-aquatica																				
Veronica catenata					2				2				5					2		
Agrostis stolonifera	4															3			5	
Aster tripolium																				
Lycopus europaeus																				
Mentha aquatica						5														
Myosotis scorpioides																		1		
Oenanthe lachenalii																				
Rumex maritimus																				
Triglochin palustris																				
Scrub cover																				
Ditch choked	1									1									1	1
Ditch dry	1																			
Adjacent land use north / east	P	P	P	P	P	P			P	P	P	A	A			P	P	P	P	P
Adjacent land use south / west	F	A	P	P	P	P			P	P	P	P	P			P	P	P	P	P
Ditch width (nearest metre)	15	7	5	4	4	4			7	4	5	7	6			4	4	4	4	3
Conductivity (µScm x 100)		9	13	10	7	7			7	6	11	7	7			12	22	11	22	9

Sample number	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384
Number of aquatic species	0	1	2	2	5	5	4	5	2	4	4	2	2	0	2	4	2	5	2	2
Number of emergent species	2	5	2	3	7	4	7	2	3	3	3	5	8	5	3	9	3	6	5	6
Number of bank species	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	1	0
Total number of species	3	6	4	5	12	10	11	7	5	7	7	7	10	5	5	14	5	12	8	8

Abundance recorded using a scale of 1 -10
Land use codes: P = pasture H = hay A = arable F = fence U = unmanaged

North Kent Marshes
1993 survey data (20 metre sample sections)
English Nature / National Rivers Authority

Sample number	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	402	403	404	405
Azolla filiculoides																				
Callitriche obtusangula																				
Callitriche stagnalis/sp				1																
Ceratophyllum demersum																	5			
Ceratophyllum submersum	10	5	10	10																
Chara sp																				
Elodea canadensis																				
Elodea nuttallii																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna minor	5	5	5	5																
Lemna trisulca	5	5	5	5																
Myriophyllum spicatum					5	6														
Myriophyllum verticillatum																				
Potamogeton crispus								5		1		5								
Potamogeton pectinatus																				
Potamogeton pusillus																				
Ranunculus baudotii																				
Spirodela polyrhiza																				
Zannichellia palustris																	5			
Alisma plantago-aquatica																	3		4	
Apium nodiflorum		1	1	4																
Berula erecta	5	5		5													5		3	5
Eleocharis palustris		5	5	5																
Eleocharis uniglumis																			1	
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris			2																2	
Nasturtium officinale				5																
Oenanthe crocata																	5			5
Oenanthe fistulosa		5	4												5	10				
Phragmites australis	10	10			10					7										
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris lacustris																				
Scirpus lacustris tabernaemontani	5	5	4			4	1										10	3	10	10
Scirpus maritimus	5	5	1	1	5	10	6	5	10	6	10	10	5	10			5		4	
Sparganium erectum		5	5	10																
Typha angustifolia	1																			
Typha latifolia																				
Veronica anagallis-aquatica																			3	
Veronica catenata				3							5								2	
Agrostis stolonifera																				
Aster tripolium																	5			
Lycopus europaeus																	5			
Mentha aquatica																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Rumex maritimus																				
Triglochin palustris																				
Scrub cover																				
Ditch choked	1	1																		
Ditch dry																				
Adjacent land use north / east	P	P	P	P	U	U	P	P												
Adjacent land use south / west	P	P	P	P	P	P	P	P												
Ditch width (nearest metre)	3	3	9	3	8	8	5	8												
Conductivity (µScm x 100)	7	7	16	12	36	36	33	30												

Sample number	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	402	403	404	405
Number of aquatic species	3	3	3	4	1	1	0	1	0	1	0	1	0	0	0	0	1	0	0	0
Number of emergent species	5	8	7	7	2	2	2	1	1	2	1	1	1	1	1	1	6	1	7	3
Number of bank species	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	1	0
Total number of species	8	11	10	11	3	3	2	2	1	3	2	2	1	1	1	1	9	1	8	3

Abundance recorded using a scale of 1 -10
Land use codes: P = pasture H = hay A = arable F = fence U = unmanaged

North Kent Marshes
1993 survey data (20 metre sample sections)
English Nature / National Rivers Authority

Sample number	406	407	408	409	410	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426
Azolla filiculoides									5											
Callitriche obtusangula																				
Callitriche stagnalis/sp																				
Ceratophyllum demersum												5	5							
Ceratophyllum submersum				3			4	5	5		10	5	2	4						
Chara sp																				
Elodea canadensis																				
Elodea nuttallii																				
Hydrocharis morsus-ranae																				
Lemna gibba												5	10	4						
Lemna minor				3			5					5	10	5						
Lemna trisulca				2								2	3	5						1
Myriophyllum spicatum								5			3									
Myriophyllum verticillatum																				
Potamogeton crispus																				
Potamogeton pectinatus								5									1		5	
Potamogeton pusillus																				
Ranunculus baudotii				3																
Spirodela polyrhiza																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum				1																
Berula erecta														5						
Eleocharis palustris		4	10	1				5				5			1				7	5
Eleocharis uniglumis																				
Equisetum fluviatile																				
Glyceria fluitans				3	2															
Glyceria maxima																				
Hippuris vulgaris																			5	
Nasturtium officinale																			3	
Oenanthe crocata																				
Oenanthe fistulosa	1	5	2	2																
Phragmites australis						10												10		
Ranunculus sceleratus																				
Rumex hydrolapathum																			1	
Scirpus lacustris lacustris																				
Scirpus lacustris tabernaemontani															2					
Scirpus maritimus	10	10	4	5		2	10	5	10	10	10	5	5	10	10	10	10		10	10
Sparganium erectum		1	5																	
Typha angustifolia																				
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata				1															3	2
Agrostis stolonifera		3			5	4														
Aster tripolium														1		3				
Lycopus europaeus			3									5								
Mentha aquatica																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Rumex maritimus																				
Triglochin palustris																				
Scrub cover																				
Ditch choked																				
Ditch dry																				
Adjacent land use north / east																				
Adjacent land use south / west																				
Ditch width (nearest metre)																				
Conductivity (µScm x 100)																				

Sample number	406	407	408	409	410	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426
Number of aquatic species	0	0	0	4	0	0	2	3	2	0	2	5	5	4	0	0	1	0	1	1
Number of emergent species	2	4	4	6	1	2	1	2	1	1	1	2	1	2	3	1	1	1	6	3
Number of bank species	0	1	1.	0	1	1	0	0	0	0	0	1	0	1	0	1	0	0	0	0
Total number of species	2	5	5	10	2	3	3	5	3	1	3	8	6	7	3	2	2	1	7	4

Abundance recorded using a scale of 1 -10
Land use codes: P = pasture H = hay A = arable F = fence U = unmanaged

North Kent Marshes
1993 survey data (20 metre sample sections)
English Nature / National Rivers Authority

Sample number	427	428	429	430	431	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447
Azolla filiculoides																				
Callitriche obtusangula																				
Callitriche stagnalis/sp														5		5				
Ceratophyllum demersum					5												5			
Ceratophyllum submersum	5	10	10		5			5	10	5		10		10		10				
Chara sp																				
Elodea canadensis																				
Elodea nuttallii																				
Hydrocharis morsus-ranae																				
Lemna gibba					10				4			10				10				
Lemna minor		5			10				4					5	1	5				
Lemna trisulca		5		7	5				4	10		5		5		5				
Myriophyllum spicatum																				
Myriophyllum verticillatum																				
Potamogeton crispus																				
Potamogeton pectinatus			5				10													
Potamogeton pusillus																				
Ranunculus baudotii							1		5	7		1		5	5	5	5		1	2
Spirodela polyrhiza																				
Zannichellia palustris																				
Alisma plantago-aquatica								1						2						
Apium nodiflorum		4							5											5
Berula erecta																				
Eleocharis palustris						3	4	10		10		10		10	3		2	3	5	5
Eleocharis uniglumis						4														
Equisetum fluviatile																				
Glyceria fluitans										5		5		5		6				
Glyceria maxima																				
Hippuris vulgaris						5												5		
Nasturtium officinale	2						2	1		3				1	2					
Oenanthe crocata																				
Oenanthe fistulosa								6	7			5		5	5		1		8	5
Phragmites australis	10		1			10	1											10	1	
Ranunculus sceleratus					1	2											1			
Rumex hydrolapathum																				
Scirpus lacustris lacustris																				
Scirpus lacustris tabernaemontani																	1			
Scirpus maritimus	5	10	9	10	5	10	10	5	4	5	10	10	9	5			5	5	5	5
Sparganium erectum								7	4					5	8					
Typha angustifolia	5								4								10			
Typha latifolia																				
Veronica anagallis-aquatica																	1			
Veronica catenata	3								4						3			4		
Agrostis stolonifera																			1	4
Aster tripolium							1													
Lycopus europaeus																				
Mentha aquatica																				
Myosotis scorpioides	3							1	3					5	2					
Oenanthe lachenalii																				
Rumex maritimus						1												5		
Triglochin palustris																				
Scrub cover																				
Ditch choked																				
Ditch dry																			1	
Adjacent land use north / east						P	P		P	P	P	P	P		P	P			P	P
Adjacent land use south / west						P	P		P	P	P	P	P		P	P			P	P
Ditch width (nearest metre)						20	3		3	4	2	3	3		3	2			2	2
Conductivity (µScm x 100)						24	32		18	34	100	32	97		17	18				34

Sample number	427	428	429	430	431	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447
Number of aquatic species	1	3	2	1	5	0	2	1	5	3	0	4	0	5	2	6	2	0	1	1
Number of emergent species	5	2	2	1	2	6	4	6	6	4	1	4	1	7	5	1	7	5	4	4
Number of bank species	1	0	0	0	0	1	1	1	1	0	0	0	0	1	1	0	0	1	1	1
Total number of species	7	5	4	2	7	7	7	8	12	7	1	8	1	13	8	7	9	6	6	6

Abundance recorded using a scale of 1 -10
Land use codes: P = pasture H = hay A = arable F = fence U = unmanaged

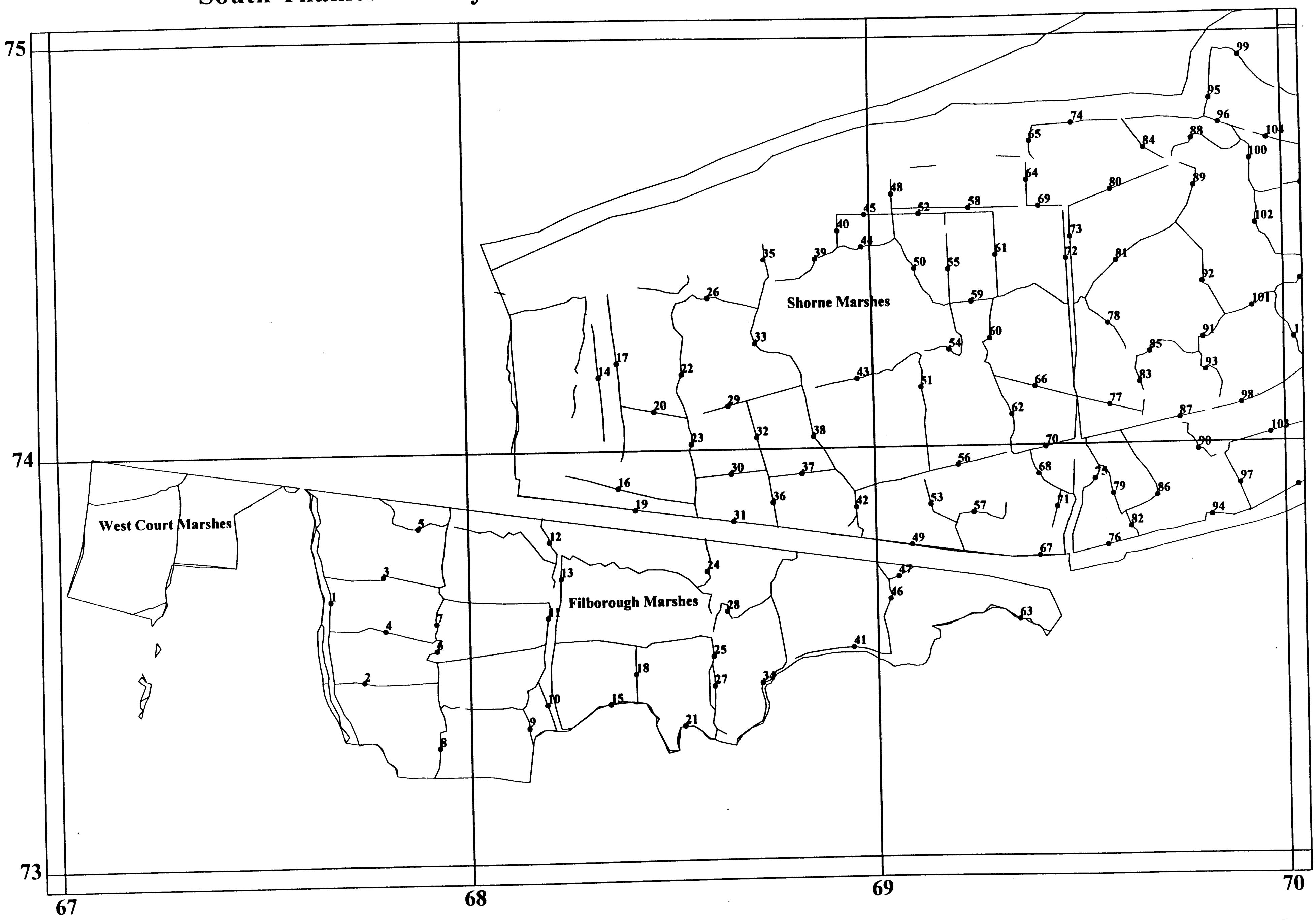
North Kent Marshes
1993 survey data (20 metre sample sections)
English Nature / National Rivers Authority

Sample number	448	449	450	451	452	453	454	455	456	Total	%
Azolla filiculoides					2					8	1.8
Callitriche obtusangula										42	9.4
Callitriche stagnalis/sp										21	4.7
Ceratophyllum demersum										15	3.3
Ceratophyllum submersum	4			1	5	6	4			126	28.1
Chara sp										4	0.9
Elodea canadensis										3	0.7
Elodea nuttallii										2	0.4
Hydrocharis morsus-ranae										19	4.2
Lemna gibba										28	6.2
Lemna minor										122	27.2
Lemna trisulca					5					122	27.2
Myriophyllum spicatum										64	14.3
Myriophyllum verticillatum										1	0.2
Potamogeton crispus										4	0.9
Potamogeton pectinatus					3	2	1		5	155	34.5
Potamogeton pusillus										10	2.2
Ranunculus baudotii	5	5			5					107	23.8
Spirodela polyrhiza										6	1.3
Zannichellia palustris										25	5.6
Alisma plantago-aquatica										19	4.2
Apium nodiflorum	1				5					42	9.4
Berula erecta										51	11.4
Eleocharis palustris	10	5			5	10	5	5		124	27.6
Eleocharis uniglumis										1	0.2
Equisetum fluviatile										1	0.2
Glyceria fluitans		5								16	3.6
Glyceria maxima										14	3.1
Hippuris vulgaris			10						1	12	2.7
Nasturtium officinale	1							1		50	11.1
Oenanthe crocata										1	0.2
Oenanthe fistulosa	10	5					4	5		51	11.4
Phragmites australis			10				5		10	143	31.8
Ranunculus sceleratus			1							10	2.2
Rumex hydrolapathum										7	1.6
Scirpus lacustris lacustris										2	0.4
Scirpus lacustris tabernaemontani								5		45	10.0
Scirpus maritimus	1	1	10	10	5			10	10	356	79.3
Sparganium erectum					10			2		47	10.5
Typha angustifolia			5						2	34	7.6
Typha latifolia										3	0.7
Veronica anagallis-aquatica										2	0.4
Veronica catenata	1		5		4				2	29	6.5
Agrostis stolonifera		5		5		5		10	5	81	18.0
Aster tripolium										6	1.3
Lycopus europaeus										4	0.9
Mentha aquatica										6	1.3
Myosotis scorpioides										8	1.8
Oenanthe lachenalii										3	0.7
Rumex maritimus										2	0.4
Triglochin palustris										1	0.2
Scrub cover										0	0
Ditch choked										27	6.0
Ditch dry										27	6.0
Adjacent land use north / east	P	P		P	P	P	P	P			
Adjacent land use south / west	P	P		P	P	P	P	P			
Ditch width (nearest metre)	2	1		4	2	4	4	3			
Conductivity (µScm x 100)	30	35		25	28	41	29	20			

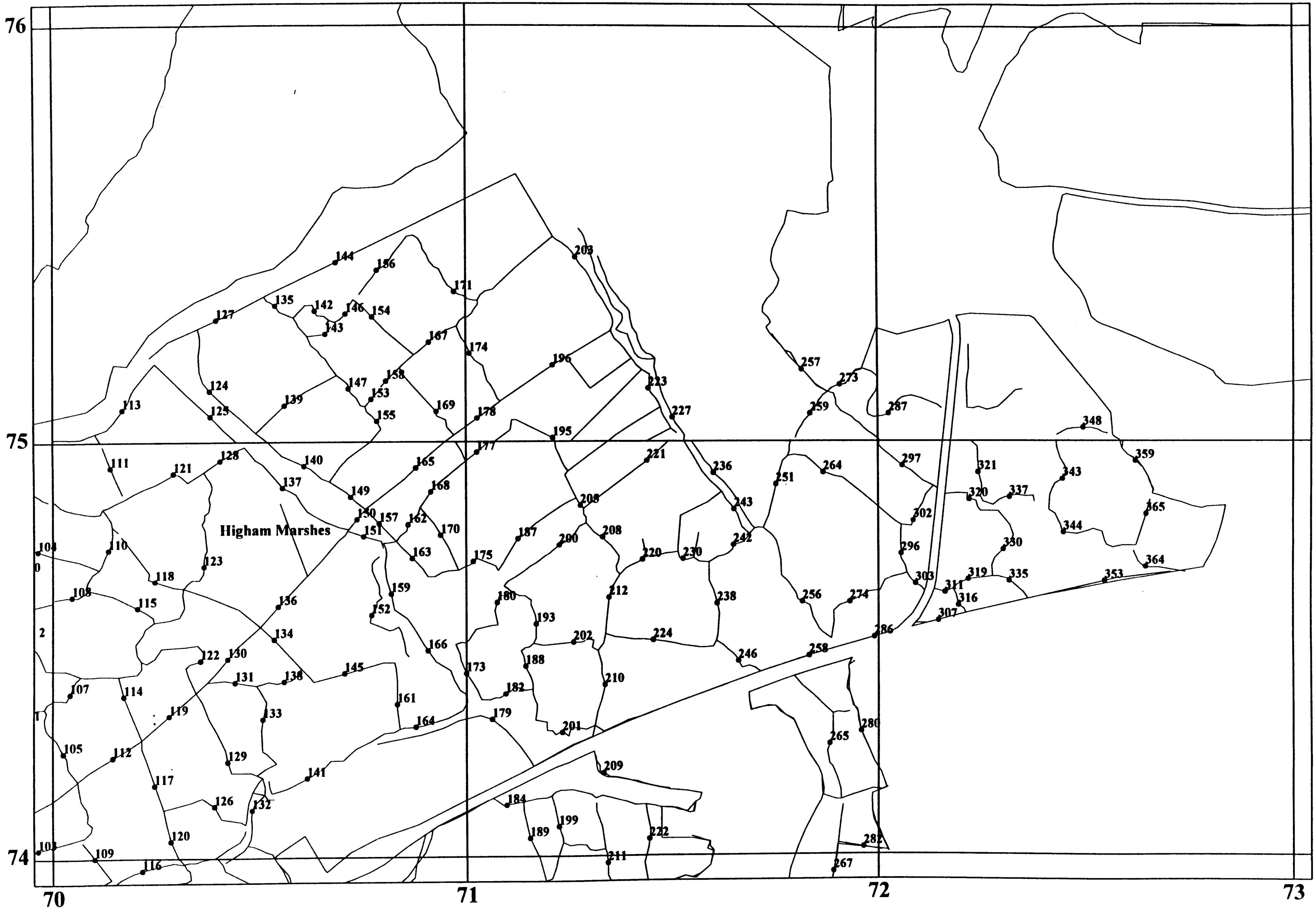
Sample number	448	449	450	451	452	453	454	455	456	Total	Average
Number of aquatic species	2	1	0	1	5	2	2	0	1	20	2.0
Number of emergent species	6	4	6	1	5	1	3	6	5	23	2.4
Number of bank species	0	1	0	1	0	1	0	1	1	8	0.2
Total number of species	8	6	6	3	10	4	5	7	7	51	4.6

Abundance recorded using a scale of 1 -10
Land use codes: P = pasture H = hay A = arable F = fence U = unmanaged

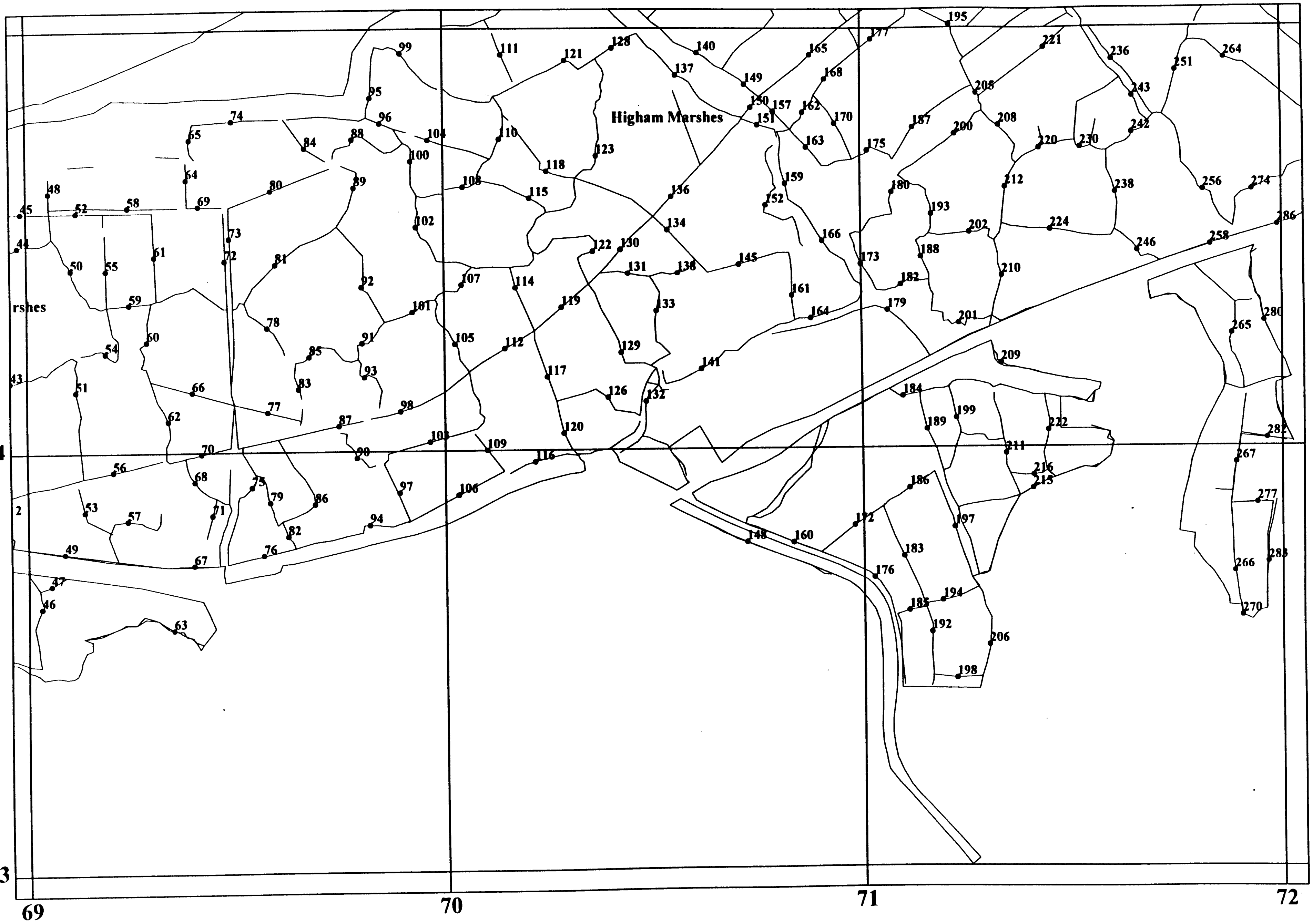
South Thames Estuary & Marshes SSSI - Ditch Numbering (East to West)



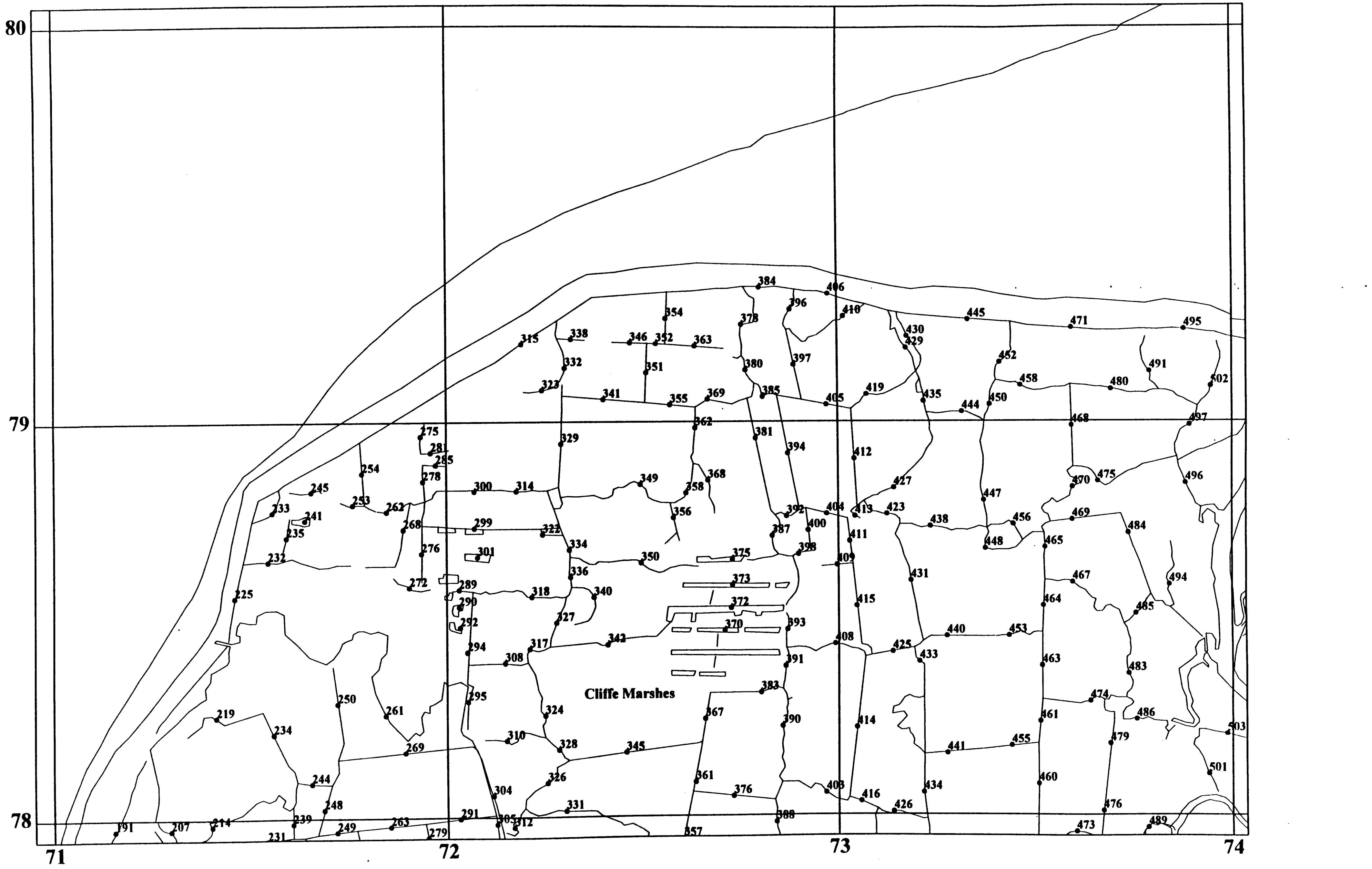
South Thames Estuary & Marshes SSSI - Ditch Numbering (East to West)



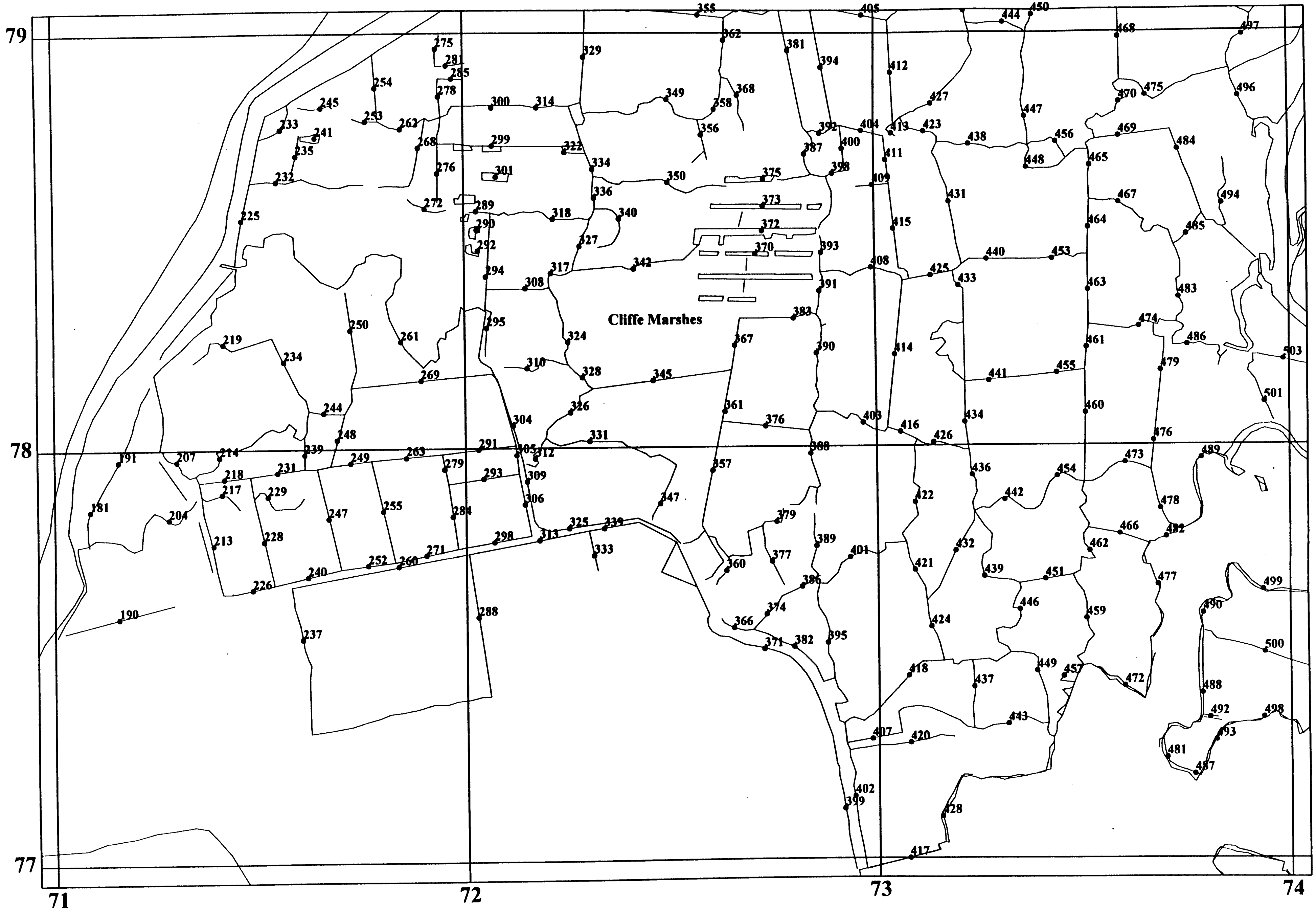
South Thames Estuary & Marshes SSSI - Ditch Numbering (East to West)



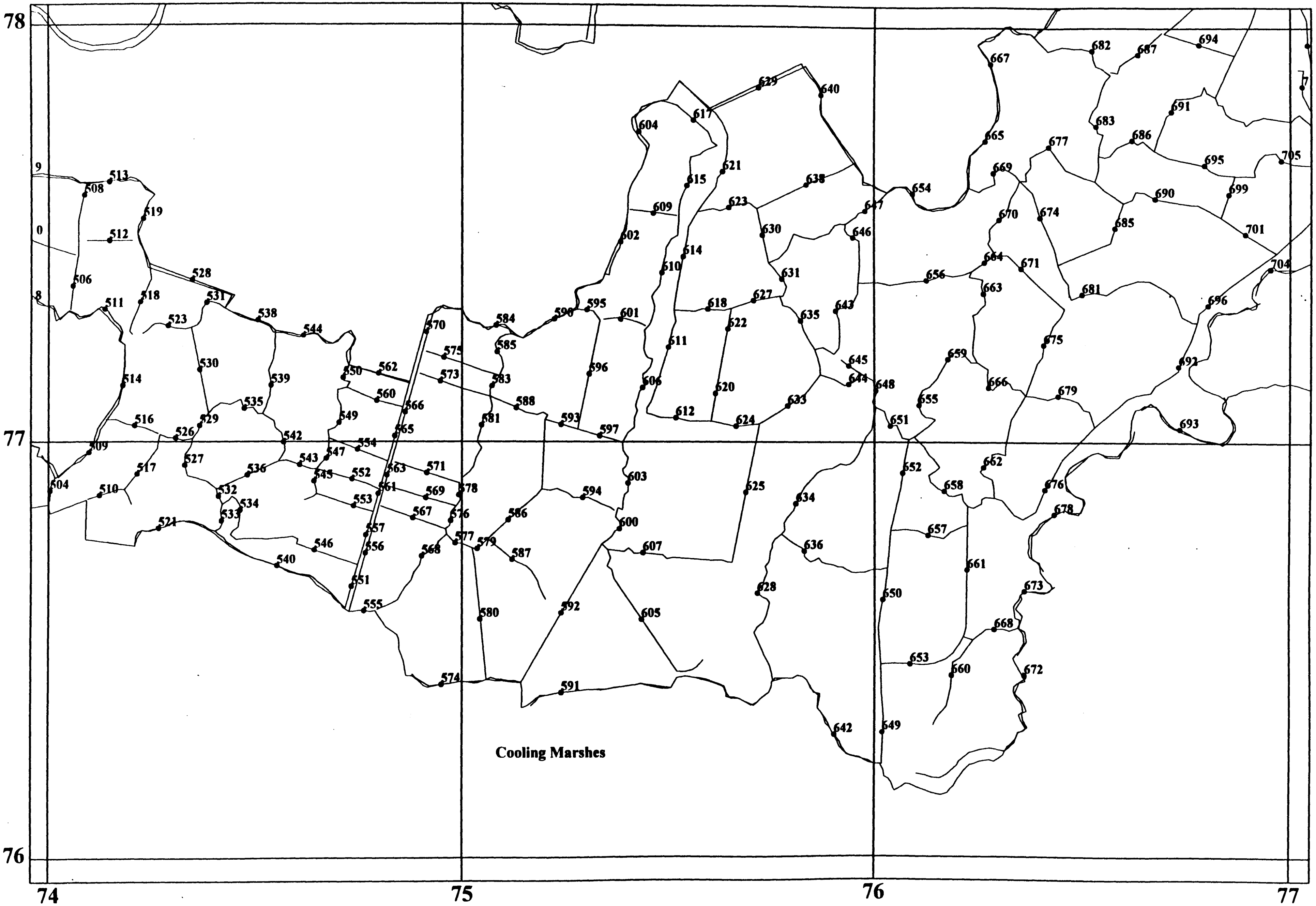
South Thames Estuary & Marshes SSSI - Ditch Numbering (East to West)



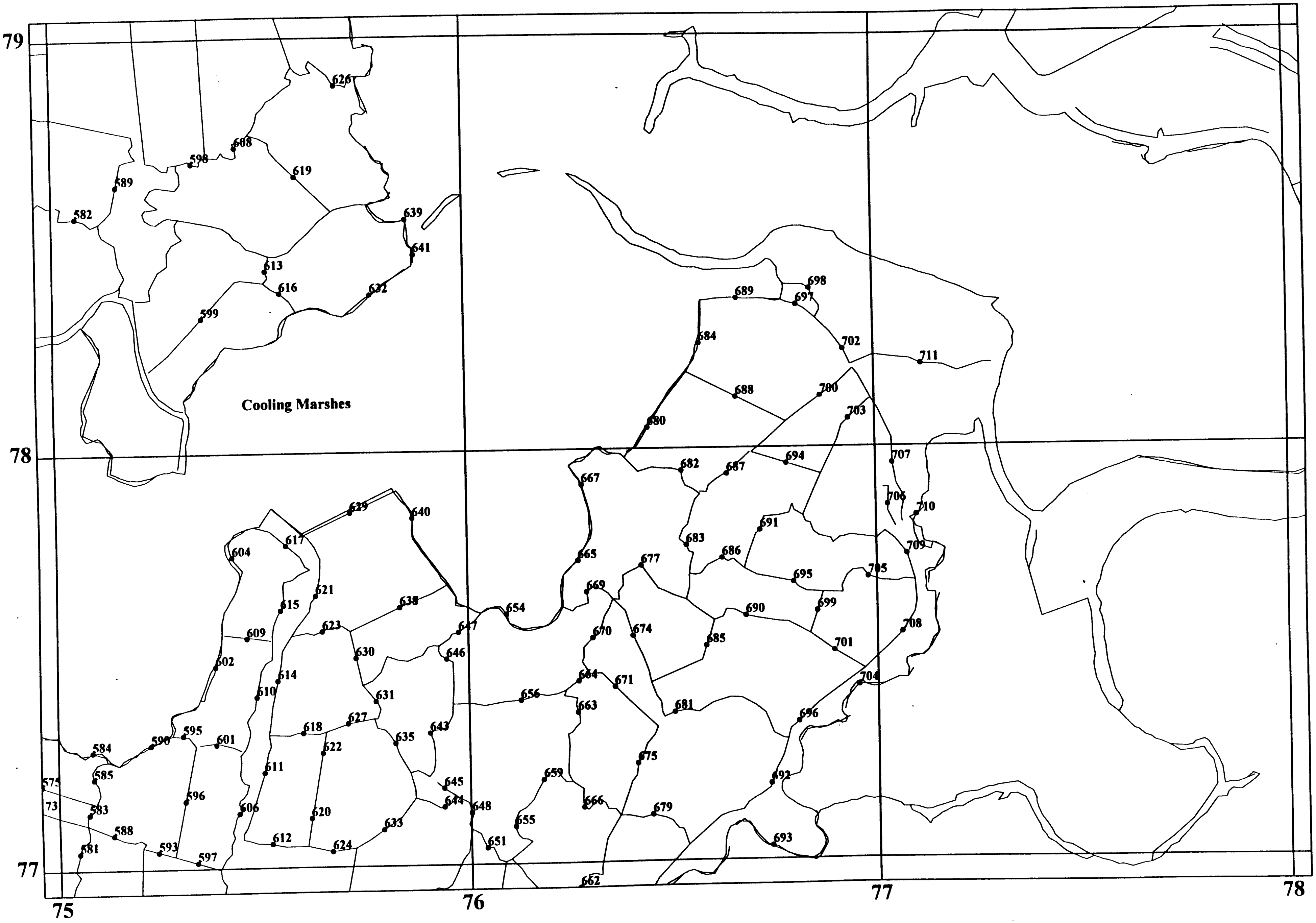
South Thames Estuary & Marshes SSSI - Ditch Numbering (East to West)



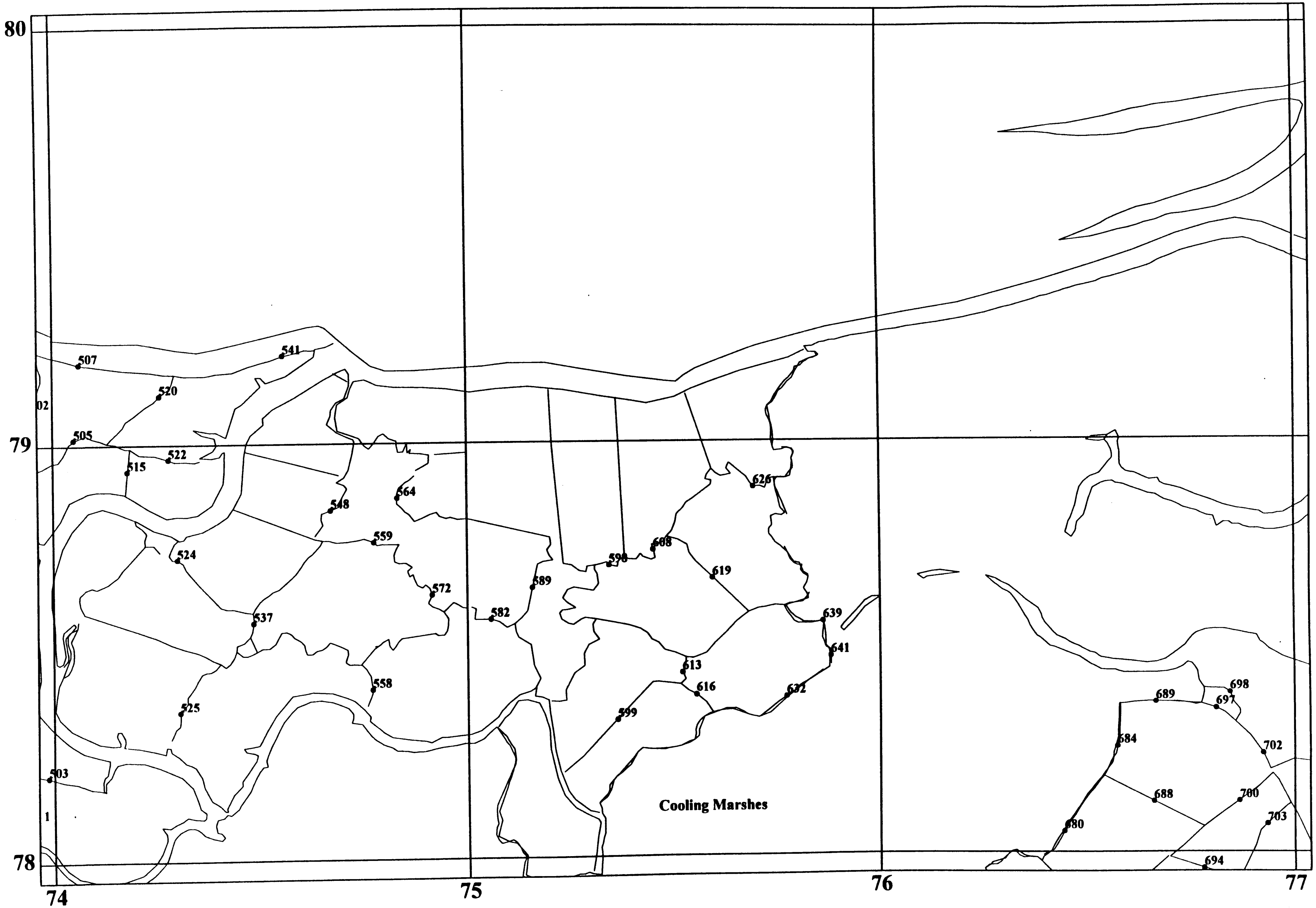
South Thames Estuary & Marshes SSSI - Ditch Numbering (East to West)



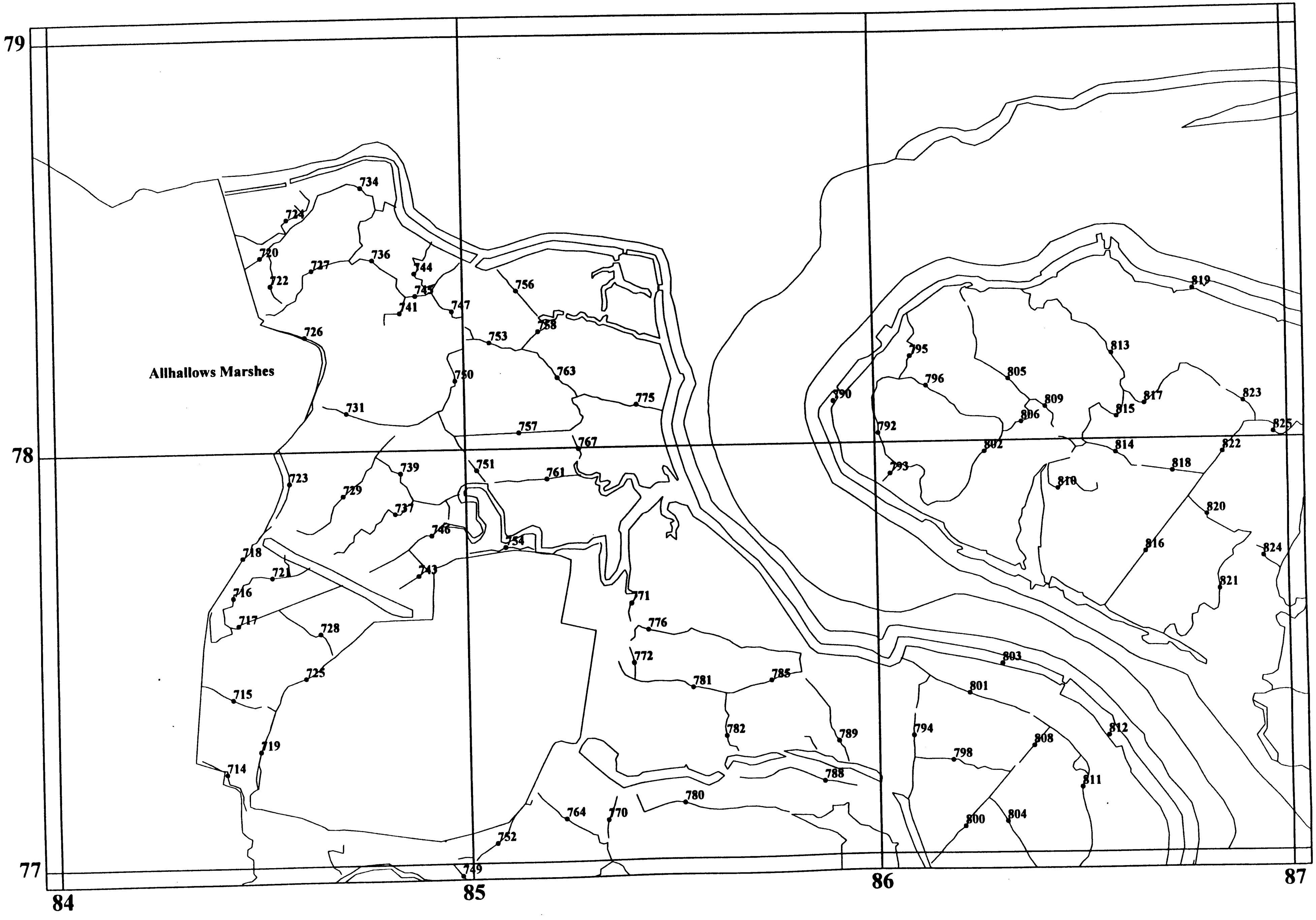
South Thames Estuary & Marshes SSSI - Ditch Numbering (East to West)



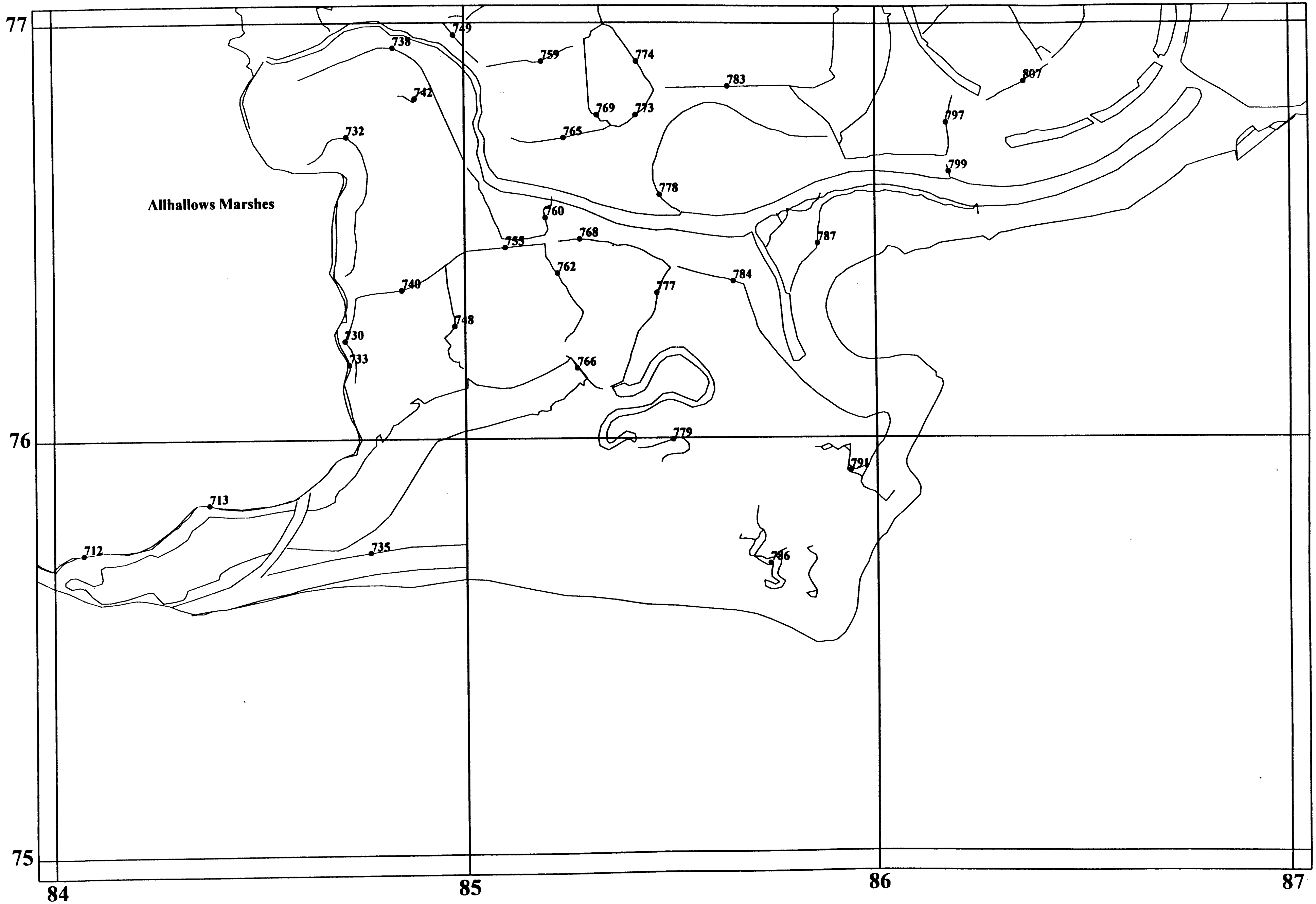
South Thames Estuary & Marshes SSSI - Ditch Numbering (East to West)



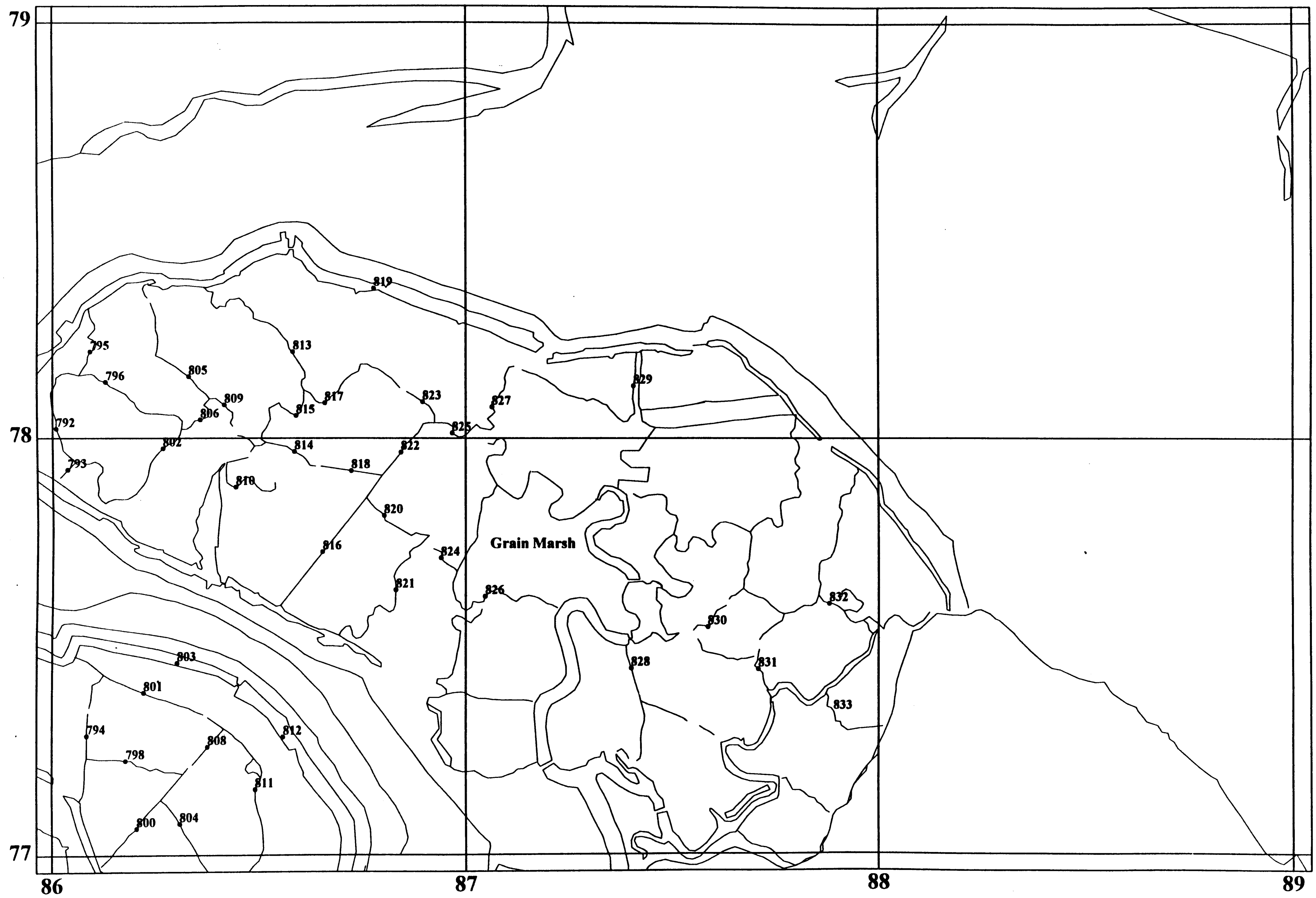
South Thames Estuary & Marshes SSSI - Ditch Numbering (East to West)



South Thames Estuary & Marshes SSSI - Ditch Numbering (East to West)



South Thames Estuary & Marshes SSSI - Ditch Numbering (East to West)



South Thames Estuary & Marshes SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Azolla filiculoides			1			1		1										1	1	
Callitriche obtusangula			1	1												1	1	1	1	1
Callitriche stagnalis/spp																				
Ceratophyllum demersum			1																1	
Ceratophyllum submersum			1								1		1							
Chara sp																				
Elodea nuttallii																			1	
Enteromorpha sp†																			1	
Filamentous algae†				1									1				1		1	1
Hydrocharis morsus-ranae																			1	
Lemna gibba		1	1		D	D	1	1	D	1			1					D	1	
Lemna miniscula																				
Lemna minor	1	1	1	1	D	1	1	1	1	1	1		1		D	1	1	1	1	
Lemna trisulca	1	1	1	1	D	1	1	1		1	1		1		D		1	1		
Myriophyllum aquaticum																				
Myriophyllum spicatum																				
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus		1					1				1									
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii				1	1						1					1	1			1
Ranunculus circinatus																				
Ranunculus trichophyllus																				
Ranunculus seedling	1																			
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																	1			
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta																			1	
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris		1	1		1	1	1	1			1							1	1	
Equisetum fluviatile																				
Glyceria fluitans						1		1	D			1						1		
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg		1				1	1	1					1					1	1	
Oenanthe aquatica																				
Oenanthe fistulosa																				
Phragmites australis*	3									2	2								1	
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*		2			1	1	2	1					1	2		2	3		1	3
Sparganium erectum																				
Typha angustifolia																				
Typha latifolia																			1	
Veronica catenata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata														1			1			
Aster tripolium																				
Carex acuta																				
Carex divisa			1	1	1		1				1	1	1	1		1	1	1		
Carex otrubae		1			1		1			1		1	1						1	
Chenopodium chenopodioides																	1			
Crassula helmsii																				
Epilobium hirsutum																				
Eupatorium cannabinum																				
Galium palustre																				
Glaux maritima																				
Juncus effusus																				
Juncus inflexus		1	1	1	1	1		1	1	1		1			D			1	1	
Juncus gerardii													1							
Juncus maritima																1	1			1
Lycopus europaeus																				
Mentha aquatica																				
Myosotis cespitosa																		1		
Oenanthe lachenalii																1	1			
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi																				
Scutellaria galericulata																				
Solanum dulcamara	1							1							1					
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*	2							2		1				1	2					
Ditch choked	1								1											
Ditch dry (N = near dry)												1		1						
Width (nearest metre)	3	4	3	3	2	3	4	3	1	2	3	2	3	1	3	3	3	3	5	3
Land use north / east	F	F	P	P	P	P	H	H	H	H	H	P	P	P	F	P	P	P	P	P
Land use south / west	A	P	P	P	P	P	P	P	H	P	P	P	H	P	H	P	P	P	U	P
Conductivity (µScm x 100)	9	9	15	8	9	24	10	8	5	14	24		9		11	48	71	12	11	59

Ditch Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Number of aquatic species	3	4	7	4	4	4	4	4	2	3	5	0	4	0	2	3	5	5	7	2
Number of emergent species	1	3	1	0	2	4	3	4	1	1	2	1	2	1	0	1	1	3	6	1
Number of bank species	1	2	2	2	3	1	2	2	1	2	1	3	3	2	2	3	5	3	2	1
Total number of species	5	9	10	6	9	9	9	10	4	6	8	4	9	3	4	7	11	11	15	4

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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English Nature 1995

Ditch number	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Azolla filiculoides				1																
Callitriche obtusangula	1	1			1	1					1		1							1
Callitriche stagnalis/spp																				
Ceratophyllum demersum													1					1		
Ceratophyllum submersum				1									1		1					
Chara sp																				
Elodea nuttallii											1		1					1		
Enteromorpha sp†						1					1		1					1		
Filamentous algae†						1					1									
Hydrocharis morsus-ranae											1									
Lemna gibba				D	D			D			1									
Lemna miniscula					D															
Lemna minor	D	1	1	D	D	1		D			1		1		1			1		
Lemna trisulca		1		D		1		1			1		1		1			1		
Myriophyllum aquaticum																				
Myriophyllum spicatum													1					1		
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus													1					1		
Potamogeton pusillus/berchtoldii											1									
Ranunculus baudotii			1											1						1
Ranunculus circinatus																				
Ranunculus trichophyllus													1		1			1		
Ranunculus seedling																	1			
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris		1																		
Alisma plantago-aquatica								1												
Apium nodiflorum																				
Berula erecta																				
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris				1	1			1												
Equisetum fluviatile																				
Glyceria fluitans	1			1	1	1	D	1						D					D	D
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg				1	1			1			1		1	1						
Oenanthe aquatica																				
Oenanthe fistulosa																				
Phragmites australis*											2									
Ranunculus sceleratus											1	1		1	1					
Rumex hydrolapathum																				
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*		2	2			2			1	1		1	2		2	1	1	2	1	2
Sparganium erectum																				
Typha angustifolia																				
Typha latifolia																				
Veronica catenata																				
Grass dom (Agro/Alop)†									1	1		1				1	1			
Atriplex hastata										1						1	1			
Aster tripolium																				
Carex acuta																				
Carex divisa				1					1	1	1	1			1	1	1		1	
Carex otrubae		1			1	1		1	1		1		1		1			1	1	
Chenopodium chenopodioides			1																	
Crassula helmsii																				
Epilobium hirsutum																				
Eupatorium cannabinum																				
Galium palustre																				
Glaux maritima																				
Juncus effusus	1																			
Juncus inflexus	1			1	1		1	1	1				1	1				1		
Juncus gerardii																				
Juncus maritima		1	1																	
Lycopus europaeus																				
Mentha aquatica																				
Myosotis cespitosa								1												
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi																				
Scutellaria galericulata																				
Solanum dulcamara													1						1	
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*	2	1			1	1	2		1				2	1	1		1	1	3	1
Ditch choked																				
Ditch dry (N = near dry)							1		1	1		1		1		1	1		1	N
Width (nearest metre)	2	3	3	3	3	2	2	3	2	1	5	2	5	4	5	2	1	5	3	2
Land use north / east	P	P	P	P	H	P	P	P	P	P	P	P	P	H	P	P	P	P	P	P
Land use south / west	P	P	P	P	P	P	P	H	P	P	U	P	P	F	P	P	P	P	P	P
Conductivity (µScm x 100)	13	58	61	12	11			9			9		22		27			17		58

Ditch Number	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Number of aquatic species	2	4	2	5	4	3	0	3	0	0	7	0	9	1	4	0	1	7	0	2
Number of emergent species	1	1	1	3	3	2	1	4	1	1	3	2	2	3	2	1	1	1	2	2
Number of bank species	2	2	2	2	2	1	1	3	3	2	2	1	3	1	2	2	2	2	3	0
Total number of species	5	7	5	10	9	6	2	10	4	3	12	3	14	5	8	3	4	10	5	4

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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English Nature 1995

Ditch number	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Azolla filiculoides																1				
Callitriche obtusangula			1		1	1	1	1			1			1	1			1		1
Callitriche stagnalis/spp																				
Ceratophyllum demersum							1													
Ceratophyllum submersum																				
Chara sp																				
Elodea nuttallii		1				1										1				
Enteromorpha sp†		1														1				
Filamentous algae†		1				1		1			1				1	1				
Hydrocharis morsus-ranae		1														1				
Lemna gibba			1													1	D			
Lemna miniscula																				
Lemna minor		1				1	1				1		1			1	1			1
Lemna trisulca		1				1	1		D				1			1	1			1
Myriophyllum aquaticum																				
Myriophyllum spicatum																				
Nymphaea alba																				
Potamogeton crispus						1														
Potamogeton pectinatus						1														
Potamogeton pusillus/berchtoldii		1				1										1				
Ranunculus baudotii						1	1							1						
Ranunculus circinatus																				
Ranunculus trichophyllus					1															
Ranunculus seedling				1																
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris					1										1					
Alisma plantago-aquatica		1				1	1									1				
Apium nodiflorum						1														
Berula erecta		1														1	1			
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris		1				1			1							1				
Equisetum fluviatile																				
Glyceria fluitans	1		1	D		1				D	1	1	D	1	1			1		
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg		1																		
Oenanthe aquatica																				
Oenanthe fistulosa																				
Phragmites australis*		2						1	1			1		1				1	1	
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*			2	1	3			3	1		2	2		2	3	1	1	2		1
Sparganium erectum																1				
Typha angustifolia																				
Typha latifolia							1		1											
Veronica catenata																				
Grass dom (Agro/Alop)†	1																			
Atriplex hastata																				
Aster tripolium																				
Carex acuta																				
Carex divisa			1	1						1		1	1							
Carex otrubae		1					1			1		1			1	1		1	1	
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum									1											
Eupatorium cannabinum																				
Galium palustre	1						1													
Glaux maritima																				
Juncus effusus							1													
Juncus inflexus	1	1				1	1	1	1	1	1	1	1		1	1	1	1		
Juncus gerardii																				
Juncus maritima																				
Lycopus europaeus		1					1													
Mentha aquatica																				
Myosotis cespitosa							1													
Oenanthe lachenalii														1						
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi							1													
Scutellaria galericulata																				
Solanum dulcamara	1													1						
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*	3		2	3	1			1	1	2	2			2	1	1			3	3
Ditch choked																				
Ditch dry (N = near dry)	1			1						1	1	1	N	1					1	N
Width (nearest metre)	2	5	2	3	2	4	3	3	3	2	2	2	2	2	1	6	2	2	1	2
Land use north / east	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Land use south / west	F	P	P	P	P	P	P	P	U	P	P	P	P	P	P	P	P	P	P	P
Conductivity (µScm x 100)		9	64		48	8	6		7				16		53	17	10	49		54

Ditch Number	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Number of aquatic species	0	5	2	1	3	8	5	1	1	0	2	0	2	2	2	7	3	1	0	3
Number of emergent species	1	5	2	2	1	4	2	2	4	1	2	3	1	3	2	5	2	3	1	1
Number of bank species	3	3	1	1	0	1	7	1	2	3	1	3	2	2	2	2	1	2	1	0
Total number of species	4	13	5	4	4	13	14	4	7	4	5	6	5	7	6	14	6	6	2	4

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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English Nature 1995

Ditch number	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
Azolla filiculoides					1															
Callitriche obtusangula		1	1	1			1									1		1		1
Callitriche stagnalis/spp																				
Ceratophyllum demersum										1										
Ceratophyllum submersum																		D		
Chara sp																				
Elodea nuttallii										1										
Enteromorpha sp†																				1
Filamentous algae†					1					1								1		1
Hydrocharis morsus-ranae											1									
Lemna gibba										1										
Lemna miniscula							D				D					D				
Lemna minor		1	1		1	1		D		1	1		D	1	1			1		1
Lemna trisulca							1	1		1	1							1		
Myriophyllum aquaticum							1													
Myriophyllum spicatum																				
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus																		1		
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii		1			1	1														1
Ranunculus circinatus																				
Ranunculus trichophyllus																				
Ranunculus seedling															1					
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris					1															
Alisma plantago-aquatica																				
Apium nodiflorum			1																	
Berula erecta																		1		
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris					1					1										1
Equisetum fluviatile																				
Glyceria fluitans	D	1	D	D	1				1											
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg			1														1			
Oenanthe aquatica																				
Oenanthe fistulosa																				
Phragmites australis*	1			1	1			1	1	1	1	2						1		
Ranunculus sceleratus			1							1		1			1					
Rumex hydrolapathum																				
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*		3		2	2	2			2	1			2	1	1		1	2		2
Sparganium erectum																				
Typha angustifolia																				
Typha latifolia							1									1				
Veronica catenata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata																				
Aster tripolium																				
Carex acuta																				
Carex divisa	1	1	1		1	1														
Carex otrubae	1					1	1	1	1		1	1		1			1			
Chenopodium chenopodioides					1															
Crassula helmsii																1				
Epilobium hirsutum							1									1				
Eupatorium cannabinum																				
Galium palustre																	1			
Glaux maritima																				
Juncus effusus								1								1				
Juncus inflexus		1	1	1		1	1	1	1	1	1	1	1	1		1		1	1	
Juncus gerardii																				
Juncus maritima																				
Lycopus europaeus							1												1	
Mentha aquatica																				
Myosotis cespitosa			1																	
Oenanthe lachenalii		1				1														1
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi																				
Scutellaria galericulata																1				
Solanum dulcamara													1		1		1			
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*	2	1	2	2		2	2	2	2		1	2	3	1	3	2	3	1	3	1
Ditch choked		1							1											
Ditch dry (N = near dry)	1		N	1								1	N	1	N		1		1	
Width (nearest metre)	2	2	3	2	4	2	2	4	2	5	2	2	2	2	2	4	2	3	2	2
Land use north / east	P	P	P	P	P	P	P	P	P	P	P	U	P	P	P	P	P	P	P	P
Land use south / west	P	P	F	P	P	P	U	P	P	P	P	P	U	P	P	U	P	P	P	P
Conductivity (µScm x 100)		37	9		28	33	8	8		8	7		36		29	6		39		

Ditch Number	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
Number of aquatic species	0	3	2	1	4	2	4	2	0	5	4	0	1	1	2	2	0	5	0	3
Number of emergent species	2	2	4	3	4	1	1	1	3	4	1	2	1	1	2	1	2	3	0	2
Number of bank species	2	3	3	1	2	4	4	3	2	1	2	2	2	2	1	5	3	1	2	1
Total number of species	4	8	9	5	10	7	9	6	5	10	7	4	4	4	5	8	5	9	2	6

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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English Nature 1995

Ditch number	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Azolla filiculoides																				
Callitriche obtusangula				1							1	1	1				1			
Callitriche stagnalis/spp																				
Ceratophyllum demersum																		1		1
Ceratophyllum submersum	D		1	1				D	D		D						D		D	
Chara sp																				
Elodea nuttallii							1								1	1		1		1
Enteromorpha sp†							1	1			1				1		1	1	1	
Filamentous algae†	1		1				1	1	1						1			1	1	
Hydrocharis morsus-ranae							1											1		
Lemna gibba					1		1			D		1						1		
Lemna miniscula		D				D								D						
Lemna minor	1		1	1	D		1	1	1	1	1	D	1		1	1	1	1	1	1
Lemna trisulca	1		1	1	1	1	1	1	1	1		1	1		1	1	1	1	1	1
Myriophyllum aquaticum																				
Myriophyllum spicatum															1					
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus				1											1	1			1	1
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii									1						1	1				1
Ranunculus circinatus																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris											1									
Alisma plantago-aquatica						1	1											1		
Apium nodiflorum																				
Berula erecta	1		1	1	1		1	1	1	1		1	1	1		1		1	1	1
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris	1			1				1	1	1					1	1		1		1
Equisetum fluviatile																				
Glyceria fluitans							1			1			1					1		
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg			1				1									1		1	1	1
Oenanthe aquatica																				
Oenanthe fistulosa																				
Phragmites australis*	1		3																2	1
Ranunculus sceleratus						1													1	
Rumex hydrolapathum							1									1		1		1
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*	2			2	2		1	2	2	2	2	2	2		2	2	2	1		2
Sparganium erectum							1								1			1		
Typha angustifolia						1														
Typha latifolia						1														
Veronica catenata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata																	1			
Aster tripolium																				
Carex acuta																				
Carex divisa				1								1					1		1	
Carex otrubae			1			1	1	1					1	1		1		1	1	
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum														1						
Eupatorium cannabinum							1													
Galium palustre																				
Glaux maritima																				
Juncus effusus																				
Juncus inflexus	1		1	1	1	1	1	1		1	1		1	1			1	1	1	1
Juncus gerardii																				
Juncus maritima																				
Lycopus europaeus						1	1											1		
Mentha aquatica																				
Myosotis cespitosa																				
Oenanthe lachenalii			1		1	1			1			1					1	1		
Polypogon monspeliensis																				
Pulicaria dysenterica														1						
Salicornia sp																				
Samolus valerandi																				
Scutellaria galericulata																				
Solanum dulcamara					1															
Spergularia marina															1					
Spergularia media																				
Triglochin palustre																				
Scrub cover*	1	3	2		2	2	1	2	1	2	2	1	1	3		1	2			
Ditch choked						1														
Ditch dry (N = near dry)																				
Width (nearest metre)	3	3	2	5	3		6	3	4	2	3	2	3	3	4	4	2	6	5	4
Land use north / east	P	P	F	P	P	P	P	P	P	P	P	P	P	P	P	F	P	P	H	P
Land use south / west	P	P	P	P	F	P	P	P	P	P	F	P	F	U	P	P	P	P	P	P
Conductivity (µScm x 100)	38	6	23	37	23	7	11	4	40	25	21	34	31	5	26	33	44	6	21	32

Ditch Number	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Number of aquatic species	3	1	3	5	3	2	5	3	4	3	4	4	3	1	6	5	4	6	4	6
Number of emergent species	4	0	3	3	2	4	7	3	3	4	1	2	3	1	3	5	1	8	4	6
Number of bank species	1	0	3	2	3	4	4	2	1	1	1	2	2	4	1	1	4	4	3	1
Total number of species	8	1	9	10	8	10	16	8	8	8	6	8	8	6	10	11	9	18	11	13

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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English Nature 1995

Ditch number	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
Azolla filiculoides		1																		
Callitriche obtusangula								1									1			
Callitriche stagnalis/spp						1														
Ceratophyllum demersum												1		1			1		1	
Ceratophyllum submersum		1								1	1				1					
Chara sp																				
Elodea nuttallii		1								1		1	1		1		1		1	
Enteromorpha sp†										1		1			1					
Filamentous algae†											1	1	1	1						1
Hydrocharis morsus-ranae												1					1	1	1	
Lemna gibba		1	1				1					1					D		1	1
Lemna miniscula						D										D				
Lemna minor	D	1	D		1	1	D	1	1	1		1		1	1	1	1		1	1
Lemna trisulca	D	1	D		1		1		1	D	1	1	1	D	1		1	1	1	1
Myriophyllum aquaticum																				
Myriophyllum spicatum															1					
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus		1								1					1					
Potamogeton pusillus/berchtoldii		1													1					
Ranunculus baudotii					1			1							1					1
Ranunculus circinatus																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																	1			
Zannichellia palustris		1																		
Alisma plantago-aquatica												1					1			
Apium nodiflorum																				
Berula erecta	1			1	1	1		1	1	1		1		1	1		1	1		
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris		1		1			1	1		1		1		1			1		1	
Equisetum fluviatile																				
Glyceria fluitans				D		1		1											1	1
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg						1								1					1	
Oenanthe aquatica																				
Oenanthe fistulosa																				
Phragmites australis*										2					1			3		2
Ranunculus sceleratus								1			1			1					1	
Rumex hydrolapathum												1		1			1		1	
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*	2	2	3	2			2	2			3	1	2						1	
Sparganium erectum												1					1		1	1
Typha angustifolia					D															
Typha latifolia																				
Veronica catenata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata							1													
Aster tripolium																				
Carex acuta																				
Carex divisa					1			1			1			1						
Carex otrubae				1	1			1	1										1	1
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum																				1
Eupatorium cannabinum																				
Galium palustre																				
Glaux maritima																				
Juncus effusus			1			1										1				
Juncus inflexus	1	1	1	1	1	1	1	1	1	1		1		1	1	1	1	1	1	1
Juncus gerardii											1									
Juncus maritima																				
Lycopus europaeus												1					1		1	1
Mentha aquatica																				
Myosotis cespitosa																				
Oenanthe lachenalii	1	1							1											
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi																				
Scutellaria galericulata																				
Solanum dulcamara						1			1											1
Spergularia marina																				
Spergularia media																				
Triglochin palustre										1		1		1						
Scrub cover*	2		1	1	1	1	1		3			1				3				1
Ditch choked			1		1						1									
Ditch dry (N = near dry)				1				1												
Width (nearest metre)	3	4	3	2	3	3	3	2	3	5	1	6	3	4	5	3	5	2	6	2
Land use north / east	P	P	P	P	P	P	P	P	P	H	H	P	H	P	P	P	P	H	P	P
Land use south / west	P	P	P	P	P	U	P	P	P	P	H	P	H	P	P	U	P	H	P	P
Conductivity (µScm x 100)	29	31	28		26	9	24		30	18	67	6	20	34	16	10	6	9	9	

Ditch Number	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
Number of aquatic species	2	9	3	0	3	3	3	3	2	5	2	6	2	3	8	2	8	2	6	4
Number of emergent species	2	2	1	4	2	3	2	5	1	3	2	6	1	5	2	0	5	2	7	3
Number of bank species	2	2	2	2	3	3	2	3	4	2	2	3	0	3	1	2	2	1	3	5.
Total number of species	6	13	6	6	8	9	7	11	7	10	6	15	3	11	11	4	15	5	16	12

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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English Nature 1995

Ditch number	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
Azolla filiculoides												D								
Callitriche obtusangula											1					1				
Callitriche stagnalis/spp						1														
Ceratophyllum demersum		1				1				1			1			1				
Ceratophyllum submersum							1						1	1	1		1	1	1	1
Chara sp																				
Elodea nuttallii		1					1		D	D					1	D	1			
Enteromorpha sp†		1			1				1	1	1					1	1			
Filamentous algae†	1				1												1			
Hydrocharis morsus-ranae						1				1	1					1	1			
Lemna gibba						D									1					
Lemna miniscula						1						1								
Lemna minor		1	1			1		1		1	1		1	D	1	1		1		
Lemna trisulca	1	1	1	1	1	1	1	1	1		D		D	D	1		1	D	1	1
Myriophyllum aquaticum																				
Myriophyllum spicatum					1															
Nymphaea alba																				
Potamogeton crispus					1					1						1				
Potamogeton pectinatus		1																		
Potamogeton pusillus/berchtoldii					1					1						1	1		1	
Ranunculus baudotii							1		1	1										
Ranunculus circinatus																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides						1														
Zannichellia palustris									1											
Alisma plantago-aquatica						1														
Apium nodiflorum																				
Berula erecta	1	1	1			1	1	1	1	1	1				1	1			1	1
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris		1				1				1			1			1			1	
Equisetum fluviatile																				
Glyceria fluitans										1										
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg		1		1					1	1					1	1				1
Oenanthe aquatica																				
Oenanthe fistulosa																				
Phragmites australis*			2	3	1			2				3								1
Ranunculus sceleratus	1								1	1						1				1
Rumex hydrolapathum		1				1					1			1						
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*	1				1		2		1						2				1	
Sparganium erectum	1					1		1		1				1		1	1	1		
Typha angustifolia																				
Typha latifolia																				
Veronica catenata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata																				
Aster tripolium																				
Carex acuta																				
Carex divisa			1		1			1		1			1	1			1	1		1
Carex otrubae	1	1	1	1		1		1	1	1	1	1	1					1		
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum												1								
Eupatorium cannabinum																				
Galium palustre													1	1				1		
Glaux maritima																				
Juncus effusus														1						
Juncus inflexus	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1	1		
Juncus gerardii																				
Juncus maritima																				
Lycopus europaeus						1			1		1									
Mentha aquatica																				
Myosotis cespitosa																		1		
Oenanthe lachenalii		1																		
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi									1											
Scutellaria galericulata						1					1			1				1		
Solanum dulcamara														1						
Spergularia marina																				
Spergularia media																				
Triglochin palustre		1							1											
Scrub cover*												1	1	1						
Ditch choked																				
Ditch dry (N = near dry)																				
Width (nearest metre)	3	4	2	1	4	4	4	2	4	6	2	3	2	3	2	6	5	2	3	4
Land use north / east	H	P	H	H	H	P	H	H	P	P	P	U	P	P	H	P	U	P	H	H
Land use south / west	H	P	H	H	H	P	H	H	P	P	P	U	P	P	H	P	H	P	H	U
Conductivity (µScm x 100)	40	7	30	19	10	7	17	8	10	8	11	8	32	9	20	7	6	21	42	32

Ditch Number	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
Number of aquatic species	1	5	2	1	4	8	4	2	4	7	4	2	4	3	5	7	5	3	3	2
Number of emergent species	4	4	2	2	2	5	2	3	4	6	2	1	1	2	3	5	1	1	3	4
Number of bank species	2	4	3	2	1	4	1	3	5	3	4	2	4	6	1	1	2	6	0	1
Total number of species	7	13	7	5	7	17	7	8	13	16	10	5	9	11	9	13	8	10	6	7

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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English Nature 1995

Ditch number	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
Azolla filiculoides	1				D															
Callitriche obtusangula	1																			
Callitriche stagnalis/spp																	1		1	1
Ceratophyllum demersum																				1
Ceratophyllum submersum		1				1		1					1	1	1	1	1			
Chara sp																				
Elodea nuttallii	1			1					1	1	1						1		1	
Enteromorpha sp†	1									1	1			1	1		1		1	
Filamentous algae†						1	1		1	1	1		1			1	1			
Hydrocharis morsus-ranae	1																			
Lemna gibba																	1		1	
Lemna miniscula					1															D
Lemna minor	1	1	1	1		1		1			1						1	1	1	
Lemna trisulca		1	1	1	1	1	1		1	1	1		1	1	1	1		1		
Myriophyllum aquaticum																				
Myriophyllum spicatum																				
Nymphaea alba																				1
Potamogeton crispus	1																		1	
Potamogeton pectinatus	1					1										1				
Potamogeton pusillus/berchtoldii																			1	
Ranunculus baudotii									1											
Ranunculus circinatus																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta	1		1	1			1		1	1	1		1	1	1	1	1	1	1	1
Butomus umbellatus																		1		
Carex riparia																				
Eleocharis palustris		1				1			1	1	1		1					1		
Equisetum fluviatile																				
Glyceria fluitans	1											1								
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg				1					1									1	1	
Oenanthe aquatica																				
Oenanthe fistulosa																				
Phragmites australis*							3			1				2	3		1	2		2
Ranunculus sceleratus	1		1	1						1				1					1	
Rumex hydrolapathum	1				1			1											1	
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*		1	1	2		3	1		1		1		1	1		2		1		
Sparganium erectum	1				1			1		1							1		1	
Typha angustifolia																				
Typha latifolia																				
Veronica catenata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata																				
Aster tripolium																				
Carex acuta																				
Carex divisa						1					1	1			1	1	1			
Carex otrubae	1		1	1		1			1		1		1	1	1	1	1		1	
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum	1																			
Eupatorium cannabinum																				
Galium palustre	1																		1	
Glaux maritima																				
Juncus effusus																				
Juncus inflexus		1	1		1				1	1	1	1					1	1	1	1
Juncus gerardii			1																	
Juncus maritima																				
Lycopus europaeus																				1
Mentha aquatica																				
Myosotis cespitosa	1																1		1	
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi																				
Scutellaria galericulata					1														1	1
Solanum dulcamara					1															1
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*					2															
Ditch choked																				
Ditch dry (N = near dry)												1								
Width (nearest metre)	4	3	2	4	3	3	3	2	3	6	3	2	4	3	4	3	4	4	4	3
Land use north / east	P	H	H	H	P	H	H	U	H	H	H	P	H	H	H	H	H	H	P	P
Land use south / west	F	H	H	H	P	H	H	U	H	H	H	P	H	H	H	H	H	H	P	U
Conductivity (µScm x 100)	9	38	49	10	19	51	35		15	7	17		35	33	32	31	7	18	9	

Ditch Number	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
Number of aquatic species	7	3	2	3	3	4	1	2	3	2	3	0	2	2	2	3	5	2	6	5
Number of emergent species	5	2	3	4	2	2	3	2	4	5	3	1	3	4	2	2	3	6	5	2
Number of bank species	4	1	3	1	3	2	0	0	2	1	3	2	1	1	2	2	4	1	5	4
Total number of species	16	6	8	8	8	8	4	4	9	8	9	3	6	7	6	7	12	9	16	11

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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English Nature 1995

Ditch number	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
Azolla filiculoides															1					
Callitriche obtusangula					1	1	1		1						1	1				
Callitriche stagnalis/spp																1				
Ceratophyllum demersum						1							1							1
Ceratophyllum submersum		1						1		1	1	1	1				1			1
Chara sp																1				
Elodea nuttallii					1							1				1	1	1		
Enteromorpha sp†					1	D			1						1			1		
Filamentous algae†			1							1						1				
Hydrocharis morsus-ranae		1	1	1		1														
Lemna gibba				1		1		1			1			1			1			
Lemna miniscula	D			1																
Lemna minor	1	1		D		1	1	1	1	1	1	1	1	1			1			1
Lemna trisulca	D	1	1			1	1	1	1		1		1	1	1		1			D
Myriophyllum aquaticum																				
Myriophyllum spicatum					1															
Nymphaea alba																				
Potamogeton crispus																1				
Potamogeton pectinatus		1											1							
Potamogeton pusillus/berchtoldii						1														
Ranunculus baudotii															1					
Ranunculus circinatus																1				
Ranunculus trichophyllus																				
Ranunculus seedling																1				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																				
Alisma plantago-aquatica															1					
Apium nodiflorum																				
Berula erecta		1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1		1
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris					1	1		1	1	1	1			1	1		1	1		
Equisetum fluviatile																				
Glyceria fluitans				1		1														
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg						1				1										
Oenanthe aquatica																				
Oenanthe fistulosa																				
Phragmites australis*		1	1	2			3								1			1		2
Ranunculus sceleratus				1	1				1	1					1			1		
Rumex hydrolapathum				1		1						1								
Sagittaria sagittifolia																1				
Scirpus lacustris									1											
Scirpus maritimus*							1		1	1	1		1					1		
Sparganium erectum				1	1	1				1		1		1		1				
Typha angustifolia												1			1					
Typha latifolia																				
Veronica catenata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata													1							
Aster tripolium																				
Carex acuta																				
Carex divisa		1		1					1	1	1		1				1			1
Carex otrubae		1		1		1		1	1	1	1		1	1			1			
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum				1											1					
Eupatorium cannabinum																				
Galium palustre	1					1							1							
Glaux maritima																				
Juncus effusus																				
Juncus inflexus	1	1	1	1	1	1			1	1			1	1	1	1	1			1
Juncus gerardii									1											
Juncus maritima																				
Lycopus europaeus					1											1				
Mentha aquatica																				
Myosotis cespitosa			1			1										1				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi													1							
Scutellaria galericulata	1																			
Solanum dulcamara	1																			
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*	2															2			2	
Ditch choked																				
Ditch dry (N = near dry)																			1	
Width (nearest metre)	2	3	3	3	6	4	2	3	4	3	4	4	3	4	4	3	4	6	2	3
Land use north / east	P	H	H	P	H	P	H	H	H	H	H	P	P	H	H	P	H	H	P	P
Land use south / west	P	H	H	U	H	P	H	H	H	H	H	P	P	H	H	U	H	H	F	P
Conductivity (μScm x 100)	23	30	32	9	7	9	14	27	8	20	16		27	8	13	5	20	7		19

Ditch Number	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
Number of aquatic species	3	5	2	4	3	7	3	4	3	2	4	3	5	3	4	7	5	1	0	4
Number of emergent species	0	2	2	6	4	6	3	2	5	6	3	3	2	3	6	3	2	5	0	2
Number of bank species	4	3	2	4	2	4	0	1	4	3	2	0	6	2	2	3	3	0	0	2
Total number of species	7	10	6	14	9	17	6	7	12	11	9	6	13	8	12	13	10	6	0	8

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
Azolla filiculoides							1				1									
Callitriche obtusangula							1													
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum		1	1				1								1	1				
Chara sp																				
Elodea nuttallii			1													1				
Enteromorpha sp†											1									
Filamentous algae†																				
Hydrocharis morsus-ranae																				
Lemna gibba								1					1		1	1				1
Lemna miniscula					D							D								
Lemna minor		1	1			1	1	D				1	D	1	1	1				1
Lemna trisulca		D	1			1	1	D					D	1	1	1				1
Myriophyllum aquaticum																				
Myriophyllum spicatum	1										1									
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus											1									
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus circinatus																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Riccia fluitans						D						D								
Stratiotes aloides																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta			1				1						1		1					1
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris								1					1		1					
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa																				
Phragmites australis*									3	3							3		3	
Ranunculus sceleratus							1								1	1				
Rumex hydrolapathum			1		1									1						
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*	2	1					1				2				1	1				
Sparganium erectum			D		1	1						D		D						
Typha angustifolia							1													
Typha latifolia																				
Veronica catenata																				
Grass dom (Agro/Alop)†																		1		
Atriplex hastata								1												
Aster tripolium																				
Carex acuta																				
Carex divisa		1					1	1					1		1					1
Carex otrubae		1						1		1			1		1					1
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum					1															
Eupatorium cannabinum																				
Galium palustre												1								
Glaux maritima																				
Juncus effusus																				
Juncus inflexus		1			1			1				1	1		1					1
Juncus gerardii							1									1				
Juncus maritima																				
Lycopus europaeus												1		1						
Mentha aquatica																				
Myosotis cespitosa												1								1
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi																				
Scutellaria galericulata																				
Solanum dulcamara												1		1						
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*					1							1					1			
Ditch choked									1					1			1		1	
Ditch dry (N = near dry)				1														1		
Width (nearest metre)	4	3	2	2	2	4	3	3	2	2	4	2	3	2	4	5	2	1	2	3
Land use north / east	F	P	P	P	P	P	H	P	U	F	P	P	P	P	H	H	U	P	U	H
Land use south / west	U	P	P	P	P	P	H	P	P	F	U	P	P	P	H	H	P	P	U	H
Conductivity (µScm x 100)	59	27	6		6		11	21		75	46	6	16		11	11				12

Ditch Number	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
Number of aquatic species	1	3	4	0	1	3	5	3	0	0	3	3	3	2	4	5	0	0	0	3
Number of emergent species	1	1	3	0	2	1	4	1	1	1	1	1	2	2	4	2	1	0	1	1
Number of bank species	0	3	0	0	2	0	2	4	0	1	0	5	3	2	3	1	0	0	0	4
Total number of species	2	7	7	0	5	4	11	8	1	2	4	9	8	6	11	8	1	0	1	8

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220
Azolla filiculoides																				
Callitriche obtusangula	1	1	1										1					1	1	
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum		1					1						1				1	1	1	1
Chara sp																				
Elodea nuttallii			1																	
Enteromorpha sp†			1																	
Filamentous algae†																		1	1	
Hydrocharis morsus-ranae																				
Lemna gibba		D			1			1				D							1	1
Lemna miniscula																				
Lemna minor	1	1	1		1			1		1		1			1				1	D
Lemna trisulca	D	1	1		1		1	1		D		1	1		1		1	1	1	1
Myriophyllum aquaticum																				
Myriophyllum spicatum				1													1	1		
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus				1			1												1	
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii				1													1			
Ranunculus circinatus																				
Ranunculus trichophyllus														1			1			
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																				
Alisma plantago-aquatica															1					
Apium nodiflorum																				
Berula erecta		1	1																	1
Butomus umbellatus								1												
Carex riparia																				
Eleocharis palustris		1	1		1									1				1	1	
Equisetum fluviatile																				
Glyceria fluitans														1						
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa																				
Phragmites australis*				2		3					3	1			3	3				
Ranunculus sceleratus	1				1														1	
Rumex hydrolapathum															1					
Sagittaria sagittifolia																				
Scirpus lacustris							1													
Scirpus maritimus*	1	1	1				2						2	2			2	2	2	
Sparganium erectum			1												1					1
Typha angustifolia					1															
Typha latifolia																				
Veronica catenata																	1			
Grass dom (Agro/Alop)†	.																			
Atriplex hastata		1																1		
Aster tripolium																				
Carex acuta																				
Carex divisa	1	1	1		1		1	1		1		1					1			1
Carex otrubae	1	1	1		1			1		1		1	1	1			1	1		
Chenopodium chenopodioides				1																
Crassula helmsii																				
Epilobium hirsutum																				
Eupatorium cannabinum																				
Galium palustre										1										1
Glaux maritima																				
Juncus effusus			1																	
Juncus inflexus	1	1	1		1			1		1		1								1
Juncus gerardii							1							1				1		
Juncus maritima																				
Lycopus europaeus															1					
Mentha aquatica																				
Myosotis cespitosa																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi	1											1								1
Scutellaria galericulata																				
Solanum dulcamara																				
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*	2									1										
Ditch choked						1					1					1				
Ditch dry (N = near dry)									1					1			N			
Width (nearest metre)	3	3	5	5	3	2	3	3	2	3	2	3	2	2	2	2	4	2	2	3
Land use north / east	P	P	H	P	H	U	P	H	U	P	U	H	P	P	U	U		P	P	H
Land use south / west	P	P	U	P	H	P	P	H	U	P	U	P	F	P	A	U	P	P	P	H
Conductivity (μScm x 100)	24	16	12	64	11		26	12		24		13	18				27	24	29	18

Ditch Number	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220
Number of aquatic species	3	5	4	3	3	0	3	3	0	2	0	3	3	1	2	0	5	4	6	4
Number of emergent species	2	3	4	1	3	1	2	1	0	0	1	1	1	3	4	1	2	2	3	2
Number of bank species	4	4	4	1	3	0	2	3	0	4	0	4	1	2	1	0	2	3	0	4
Total number of species	9	12	12	5	9	1	7	7	0	6	1	8	5	6	7	1	9	9	9	10

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch survey data (20m sample sections)

English Nature 1995

Ditch number	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
Azolla filiculoides					1										1					
Callitriche obtusangula								1			1								1	1
Callitriche stagnalis/spp																				
Ceratophyllum demersum										1										
Ceratophyllum submersum	1					1			1	1	1			1					1	
Chara sp																				
Elodea nuttallii	1		1															1		
Enteromorpha sp†																				
Filamentous algae†	1										1		1						1	
Hydrocharis morsus-ranae																				
Lemna gibba	1		1	D							1			1		1			1	1
Lemna miniscula																				
Lemna minor	1	1	1	1				1	1	1	1			1		1		D	1	1
Lemna trisulca	1		1	1		1		D	1	1	1	1		D		1		1	1	D
Myriophyllum aquaticum																				
Myriophyllum spicatum					1															
Nymphaea alba																				
Potamogeton crispus																		1		
Potamogeton pectinatus						1					1									
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii				1																
Ranunculus circinatus																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																				
Alisma plantago-aquatica				1																
Apium nodiflorum										1										
Berula erecta	1		1	1						1								1		
Butomus umbellatus				1																
Carex riparia																		1		
Eleocharis palustris			1			1		1	1					1	1				1	
Equisetum fluviatile																				
Glyceria fluitans				1				1						1						
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg			1																	
Oenanthe aquatica																				
Oenanthe fistulosa																				
Phragmites australis*		3			3		3						2					3		
Ranunculus sceleratus			1					1						1				1	1	
Rumex hydrolapathum		1								1								1		
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*			1		1	2		1	1		2	1		2	3	1	1		2	1
Sparganium erectum	1		1	1						1								1		
Typha angustifolia	1															1				
Typha latifolia		1		1																
Veronica catenata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata								1			1						1		1	
Aster tripolium																				
Carex acuta																				
Carex divisa				1		1			1		1									1
Carex otrubae			1	1				1	1	1		1	1					1	1	1
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum																				
Eupatorium cannabinum																				
Galium palustre																				
Glaux maritima																				
Juncus effusus				1								1								
Juncus inflexus	1		1	1				1		1		1			1	1		1		1
Juncus gerardii								1												
Juncus maritima																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis cespitosa				1						1										
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi																				
Scutellaria galericulata																				
Solanum dulcamara						1							1			1				1
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*		1								1			1			2		1		1
Ditch choked		1					1						1							
Ditch dry (N = near dry)									N				1				1			
Width (nearest metre)	3	2	5	3	6	2	1	2	4	3	2	3	1	2	2	20	1	4	2	2
Land use north / east	H	U	H	P	U	P	U	P	P	H	P	U	U	P	U	U	U	H	P	P
Land use south / west	H	U	U	P	U	F	U	P	P	H	P	U	U	P	U	H	U	H	P	F
Conductivity (µScm x 100)	10		12	14	44	18	65	18	25	14	26	36		29	32	20		12	28	15

Ditch Number	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
Number of aquatic species	5	1	4	4	2	3	0	3	3	4	6	1	0	4	1	3	0	4	5	4
Number of emergent species	3	3	6	6	2	2	1	4	2	4	1	1	1	4	2	2	1	6	3	1
Number of bank species	1	0	2	5	0	2	0	4	2	3	2	3	2	0	1	2	1	2	2	4
Total number of species	9	4	12	15	4	7	1	11	7	11	9	5	3	8	4	7	2	12	10	9

† Excluded from totals

D = dominant

* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%

Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260
Azolla filiculoides																				
Callitriche obtusangula				1		1	1	1		1	1								1	
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum	1	1	1				1	1	1						1					
Chara sp																				
Elodea nuttallii		1	1																	
Enteromorpha sp†		1	1			1													1	
Filamentous algae†			1	D	1				1	1	1			1	1					
Hydrocharis morsus-ranae																				
Lemna gibba							1								1	D				
Lemna miniscula																				
Lemna minor		1	1	1		1	1	1	1	1	1				1	1		1	1	1
Lemna trisulca	1		1	1		1	1	1	1	D	1				1	1	1		1	
Myriophyllum aquaticum																				
Myriophyllum spicatum			1									D								
Nymphaea alba																				
Potamogeton crispus		1	1			1														
Potamogeton pectinatus					1			1	1					1	1					1
Potamogeton pusillus/berchtoldii																			1	
Ranunculus baudotii									1											
Ranunculus circinatus																				
Ranunculus trichophyllus				1			1	1							1					
Ranunculus seedling																		1		
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																				
Alisma plantago-aquatica																			1	
Apium nodiflorum																				
Berula erecta		1				1	1	1			1	1				1			1	
Butomus umbellatus																			1	
Carex riparia		1				1												1		
Eleocharis palustris				1			1	1	1	1	1				1					
Equisetum fluviatile																				
Glyceria fluitans				1														1		
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus		1																1		
Juncus articulatus																				
Nasturtium officinale agg	1	1			1	1														
Oenanthe aquatica																				
Oenanthe fistulosa																				
Phragmites australis*						2					2						3		2	2
Ranunculus sceleratus				1		1		1	1								1		1	
Rumex hydrolapathum						1										1			1	
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*	3	1	1	2	3		1	2	2	2	1		3	3	2	1			1	1
Sparganium erectum		1	1			1										1			1	
Typha angustifolia	1															1				
Typha latifolia											1	D								
Veronica catenata											1									
Grass dom (Agro/Alop)†																				
Atriplex hastata									1			1								1
Aster tripolium																				
Carex acuta																				
Carex divisa			1				1				1	1					1		1	
Carex otrubae		1	1	1	1		1		1	1	1				1	1		1	1	
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum																				
Eupatorium cannabinum																				
Galium palustre																				
Glaux maritima																				
Juncus effusus							1	1	1			1						1		
Juncus inflexus	1	1	1			1	1		1	1	1	1			1	1		1	1	
Juncus gerardii																				
Juncus maritima																				
Lycopus europaeus											1								1	
Mentha aquatica																				
Myosotis cespitosa																1				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi																				
Scutellaria galericulata																				
Solanum dulcamara	1									1			1	1		1				
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*					1	1					1					1		3		
Ditch choked											1	1					1			
Ditch dry (N = near dry)																		1		N
Width (nearest metre)	30	9	10	2	2	4	2	2	2	2	2	2	3	3	2	3	3	2	3	3
Land use north / east	U	H	H	P	U	H	P	P	P	P	U	P	U	U	P	P	P	H	U	U
Land use south / west	U	P	U	P	U	P	P	P	P	P	P	F	U	U	P	H	U	F	U	U
Conductivity (µScm x 100)	23	9	10	32	49	11	18	18	17	23	9	18	44	43	20	8	100		14	89

Ditch Number	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260
Number of aquatic species	2	4	6	4	1	4	6	6	5	3	3	1	0	1	6	3	1	2	4	2
Number of emergent species	3	6	2	4	2	7	3	4	3	2	6	2	1	1	2	5	2	3	8	2
Number of bank species	2	2	3	1	1	1	4	1	4	3	4	4	1	1	2	4	1	3	4	1
Total number of species	7	12	11	9	4	12	13	11	12	8	13	7	2	3	10	12	4	8	16	5

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

South Thames Estuary & Marshes SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280
Azolla filiculoides															1					
Callitriche obtusangula		1	1	1	1		1		1		1			1	1		1	1	1	1
Callitriche stagnalis/spp						1														
Ceratophyllum demersum						1														
Ceratophyllum submersum	1	1	1		1						1				1			1		
Chara sp																				
Elodea nuttallii																				
Enteromorpha sp†						1														1
Filamentous algae†	1	1	1			1									1	1		1		1
Hydrocharis morsus-ranae																				
Lemna gibba									1		1			1						
Lemna miniscula																				
Lemna minor			1	1	1	1			1		1		1	D					1	
Lemna trisulca			1	D				1	D		1	1	D	1	1	1			1	
Myriophyllum aquaticum																				
Myriophyllum spicatum							1													
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus	1	1	1																	
Potamogeton pusillus/berchtoldii					1		1													
Ranunculus baudotii			1																1	
Ranunculus circinatus																				
Ranunculus trichophyllus	1		1																	
Ranunculus seedling																				
Riccia fluitans																				D
Stratiotes aloides																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta				1									1							
Butomus umbellatus																				
Carex riparia						1	1													
Eleocharis palustris	1		1						1		1	1							1	
Equisetum fluviatile																				
Glyceria fluitans									1										1	
Glyceria maxima													1							
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg	1															1				1
Oenanthe aquatica	1																			
Oenanthe fistulosa													1		1					
Phragmites australis*						2	3			3							2			1
Ranunculus sceleratus									1										1	
Rumex hydrolapathum				1									1	1						
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*	2	3	2					3	2		2	3	2		3	3		3	2	
Sparganium erectum				1	D	1	1													1
Typha angustifolia																				
Typha latifolia													1							
Veronica catenata	1																			
Grass dom (Agro/Alop)†																				
Atriplex hastata	1																			
Aster tripolium																				
Carex acuta							1										1			
Carex divisa			1	1					1				1	1						
Carex otrubae		1	1	1				1	1		1	1		1				1	1	
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum										1										
Eupatorium cannabinum																				
Galium palustre				1										1						
Glaux maritima																				
Juncus effusus																				
Juncus inflexus	1	1	1	1			1		1			1	1	1			1	1		1
Juncus gerardii																1				
Juncus maritima																				
Lycopus europaeus																				1
Mentha aquatica					1												1			
Myosotis cespitosa				1		1								1						
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi																				
Scutellaria galericulata																				
Solanum dulcamara		1							1						1	1		1		
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*																				1
Ditch choked										1										
Ditch dry (N = near dry)										1									N	
Width (nearest metre)	4	3	2	2	2	3	2	3	2	2	2	2	2	3	3	3	2	3	2	2
Land use north / east	P	U	P	P	P	P	U	U	P	P	P	U	P	P	U	U	U	U	P	A
Land use south / west	P	U	P	P	P	P	P	U	P	A	F	U	H	P	U	U	P	U	P	P
Conductivity (μScm x 100)	22	41	16	10				40	17		24	25	55	7	16	20		40	30	

Ditch Number	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280
Number of aquatic species	3	3	7	3	4	3	3	1	4	0	5	1	2	4	4	1	1	2	4	2
Number of emergent species	5	1	2	3	1	3	3	1	4	1	2	2	6	1	2	2	1	1	4	3
Number of bank species	2	3	3	5	1	1	2	1	4	1	1	2	2	5	1	2	3	3	1	2
Total number of species	10	7	12	11	6	7	8	3	12	2	8	5	10	10	7	5	5	6	9	7

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

South Thames Estuary & Marshes SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300
Azolla filiculoides									1					1						1
Callitriche obtusangula				1							1	1	1			1	1			
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum				1							1		1		1			1		1
Chara sp																				
Elodea nuttallii																				
Enteromorpha sp†																1				
Filamentous algae†											1				1					
Hydrocharis morsus-ranae																				
Lemna gibba					1		1				1		1			1				
Lemna miniscula																				
Lemna minor		1		1	1	1	1				1		1		1	1	1	1	1	
Lemna trisulca				1	1		D				1		1		1	1	1	1		1
Myriophyllum aquaticum																				
Myriophyllum spicatum													1							
Nymphaea alba																				
Potamogeton crispus																1				
Potamogeton pectinatus				1	1						1		1		1					
Potamogeton pusillus/berchtoldii		1														1				
Ranunculus baudotii																				
Ranunculus circinatus																				
Ranunculus trichophyllus				1	1						1		1							
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																				
Alisma plantago-aquatica									1			1					1			
Apium nodiflorum																				
Berula erecta				1		1	1			1					1	1	1			
Butomus umbellatus																	1			
Carex riparia																				
Eleocharis palustris				1			1		1		1	1	1		1			1		
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima							1													
Hippuris vulgaris												1								
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg										1							1			
Oenanthe aquatica																				
Oenanthe fistulosa																				1
Phragmites australis*		1	3														3			
Ranunculus sceleratus					1		1			1		1								
Rumex hydrolapathum																1	1			
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*	3			2	3		1	1	3	3	2	2	2	3	2			2	3	3
Sparganium erectum		1					1									1	1		1	
Typha angustifolia						1				1				1						
Typha latifolia									1			1								
Veronica catenata												1	1							
Grass dom (Agro/Alop)†																				
Atriplex hastata																				
Aster tripolium								1												
Carex acuta																				
Carex divisa						1					1						1	1		
Carex otrubae	1			1		1	1				1		1	1	1	1	1	1		1
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum			1			1														
Eupatorium cannabinum																				
Galium palustre						1										1	1			
Glaux maritima																				
Juncus effusus														1						
Juncus inflexus		1			1	1	1			1	1		1	1	1	1	1	1	1	
Juncus gerardii																				
Juncus maritima																				
Lycopus europaeus						1										1				
Mentha aquatica																				
Myosotis cespitosa																1				
Oenanthe lachenalii																				
Polypogon monspeliensis								1												
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi																				
Scutellaria galericulata																				
Solanum dulcamara	1								1	1				1	1			1	1	1
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*						1										1				
Ditch choked	1		1														1			
Ditch dry (N = near dry)	1		1			N		1										N		
Width (nearest metre)	1	2	2	2	2	2	3	1	3		2	5	2	3	4	3	2	2	3	3
Land use north / east	U	P	A	P	U	P	P	U	U	U	P	U	P	U	U	P	H	P	U	U
Land use south / west	U	U	P	P	U	F	H	U	U	U	P	U	P	U	U	P	P	F	P	P
Conductivity (µScm x 100)				20	42	9	10		27	16	20	23	21	21	31	8	45	72	29	31

Ditch Number	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300
Number of aquatic species	0	2	0	6	5	1	3	0	1	0	7	1	8	1	4	6	3	3	1	3
Number of emergent species	1	2	1	3	2	2	6	1	4	5	2	7	3	2	3	3	7	2	2	2
Number of bank species	2	1	1	1	1	6	2	2	1	2	3	0	2	4	3	5	4	4	2	2
Total number of species	3	5	2	10	8	9	11	3	6	7	12	8	13	7	10	14	14	9	5	7

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

South Thames Estuary & Marshes SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320
Azolla filiculoides				1											1					
Callitriche obtusangula		1		1	1	1	1			1	1	1					1	1		
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum					1					1		1					1			
Chara sp																				
Elodea nuttallii																				
Enteromorpha sp†		D																		
Filamentous algae†	1							1		1		1				1	1			
Hydrocharis morsus-ranae																				
Lemna gibba				1				1		1	1	1								
Lemna miniscula																				
Lemna minor	1	1	D	1	1	1	1	1	D	1	1	1				1	1		1	1
Lemna trisulca	1	1	1	1	D	D	D	1	D	1	1	1		1			1	1		
Myriophyllum aquaticum																				
Myriophyllum spicatum												1			1					
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus					1					1		1								
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii											1	1				1			1	
Ranunculus circinatus																				
Ranunculus trichophyllus										1										
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																				
Alisma plantago-aquatica											1	1								
Apium nodiflorum					1															
Berula erecta		1	1	1	1		1		1	1	1	1				1	1	1	1	1
Butomus umbellatus			1								1									
Carex riparia																				
Eleocharis palustris	1		1	1					1	1		1						1		
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				D
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg							1		1		1	1					1			
Oenanthe aquatica																				
Oenanthe fistulosa								1	1			1					1	1		
Phragmites australis*		1	3										3	3	3	1				
Ranunculus sceleratus					1		1		1	1							1			
Rumex hydrolapathum		1																		
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*	3			1	2	2		3	2	2		2	1	3	3		2	3		
Sparganium erectum		1					1													
Typha angustifolia																				
Typha latifolia	1						1													
Veronica catenata	1																			
Grass dom (Agro/Alop)†																				
Atriplex hastata					1	1														
Aster tripolium																				
Carex acuta																				
Carex divisa		1		1	1	1			1			1				1				
Carex otrubae		1	1	1	1	1	1		1	1	1			1		1		1	1	
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum																				
Eupatorium cannabinum																				
Galium palustre			1					1												
Glaux maritima																				
Juncus effusus																1				
Juncus inflexus	1	1	1	1	1	1	1				1					1		1	1	1
Juncus gerardii																				
Juncus maritima																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis cespitosa			1				1									1				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi																				
Scutellaria galericulata																				
Solanum dulcamara	1				1	1			1									1		
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*				1	2	1	2		2							2			3	1
Ditch choked			1										1							1
Ditch dry (N = near dry)													1							N
Width (nearest metre)	30	4	2	3	2	1	2	3	1	3	2	3	2	3	5	2	3	3	2	4
Land use north / east	U	P	P	P	U	U	P	P	P	F	P	P	U	U	U	P	P	P	P	P
Land use south / west	U	P	P	F	P	P	F	H	U	P	P	P	U	P	U	P	H	U	P	P
Conductivity (µScm x 100)	21	9	8	27	24	20	13	27	8	28	11	22		45	40	19	33	34	12	28

Ditch Number	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320
Number of aquatic species	2	3	2	5	5	3	3	3	2	7	5	8	0	1	2	2	4	2	2	1
Number of emergent species	4	4	4	3	4	1	5	2	6	4	4	6	2	2	2	2	5	4	1	2
Number of bank species	2	3	4	3	5	5	3	1	3	1	2	1	0	1	0	5	0	3	2	1
Total number of species	8	10	10	11	14	9	11	6	11	12	11	15	2	4	4	9	9	9	5	4

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

South Thames Estuary & Marshes SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340
Azolla filiculoides								1												
Callitriche obtusangula				1		1		1		1	1				1					1
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum						1		1			1									
Chara sp																				
Elodea nuttallii																				
Enteromorpha sp†																				
Filamentous algae†			1	1		1					1	1				1		1		1
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna miniscula																				
Lemna minor			1	1	1	1		1		1					1					
Lemna trisulca		1	1	1	D	1		1	1	1		1		1					1	1
Myriophyllum aquaticum																				
Myriophyllum spicatum								1												
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus						1		1			1	1				1				
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii				1		1					1							1		
Ranunculus circinatus																				
Ranunculus trichophyllus				1	1	1					1									1
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																				
Alisma plantago-aquatica						1				1										
Apium nodiflorum																				
Berula erecta					1	1			1	1	1				1	1	1			
Butomus umbellatus																				
Carex riparia										1										
Eleocharis palustris			1		1	1		1			1					1		1		1
Equisetum fluviatile																				
Glyceria fluitans	D					1														
Glyceria maxima										1							D			
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg					1										1	1	1			
Oenanthe aquatica																				
Oenanthe fistulosa	1	1		1		1			1		1					1				1
Phragmites australis*		3					3		3				3	3					3	
Ranunculus sceleratus					1	1									1		1			1
Rumex hydrolapathum																				
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*		3	3	2	2	2	1	2	3		2	3		3		3		3		3
Sparganium erectum																				
Typha angustifolia							1							1						
Typha latifolia																				
Veronica catenata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata																				
Aster tripolium																				
Carex acuta																				
Carex divisa	1				1	1		1			1									
Carex otrubae		1			1	1		1	1	1	1			1		1		1		1
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum																				
Eupatorium cannabinum																				
Galium palustre																				
Glaux maritima																				
Juncus effusus																				
Juncus inflexus	1	1		1	1		1			1					1		1			
Juncus gerardii																		1		
Juncus maritima																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis cespitosa																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi																				
Scutellaria galericulata																				
Solanum dulcamara					1		1		1					1		1			1	
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*	1				1					1					2					
Ditch choked							1						1				1	1	1	1
Ditch dry (N = near dry)	1												1				N		N	
Width (nearest metre)	2	10	3	2	1	2	2	3	3	2	2	4	2	3	4	3	4	1	1	1
Land use north / east	P	U	U	P	P	P	U	F	U	P	P	U	U	P	P	U	P	U	U	U
Land use south / west	P	P	U	H	F	P	U	P	U	P	P	U	U	U	P	U	P	U	H	U
Conductivity (µScm x 100)		39	31	35	26	24	28	28	36	14	24	44		35	11	33	13	60	42	31

Ditch Number	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340
Number of aquatic species	0	1	2	5	3	7	0	7	1	3	5	2	0	1	2	1	0	1	1	3
Number of emergent species	2	3	2	2	5	7	3	2	4	4	4	1	1	3	3	5	4	2	1	4
Number of bank species	2	2	0	1	4	2	2	2	2	2	2	0	0	2	1	2	1	2	1	1
Total number of species	4	6	4	8	12	16	5	11	7	9	11	3	1	6	6	8	5	5	3	8

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

South Thames Estuary & Marshes SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360
Azolla filiculoides	1																			
Callitriche obtusangula		1		1	1		1						1				1			
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum	1	1					1				1	1		1	1	1	1			1
Chara sp																				
Elodea nuttallii																				
Enteromorpha sp†																				
Filamentous algae†	1				1	1	1		1		1	1		1	1					1
Hydrocharis morsus-ranae																				
Lemna gibba					1					1										
Lemna miniscula																				
Lemna minor		1		1	1		1			1										
Lemna trisulca	1	1		1	1		1		1	1					1	1	1	1		1
Myriophyllum aquaticum																				
Myriophyllum spicatum																				1
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus	1				1		1		1		1	1		1	1		1			
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii		1			1		1						1		1		1			
Ranunculus circinatus																				
Ranunculus trichophyllus	1				1	1	1		1	1	1	1		1		1		1		
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																				
Alisma plantago-aquatica							1													1
Apium nodiflorum																				
Berula erecta			1		1		1		1								1			1
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris					1	1	1									1	1	1		1
Equisetum fluviatile																				
Glyceria fluitans							1													
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg		1	1	1		1	1			1					1					1
Oenanthe aquatica																				
Oenanthe fistulosa		1								1			1							
Phragmites australis*				2																
Ranunculus sceleratus			1						1	1					1	1				
Rumex hydrolapathum																				
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*	3	2			2	3	2		3	3	3	3		3	3	3	1	3		1
Sparganium erectum																				
Typha angustifolia																				1
Typha latifolia																				
Veronica catenata		1								1										
Grass dom (Agro/Alop)†																				
Atriplex hastata																				
Aster tripolium																				
Carex acuta																				
Carex divisa	1				1	1	1		1		1	1			1	1				
Carex otrubae		1				1	1			1										
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum																				
Eupatorium cannabinum																				
Galium palustre																				
Glaux maritima																				
Juncus effusus													1							
Juncus inflexus				1						1			1		1					1
Juncus gerardii																				
Juncus maritima																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis cespitosa				1																
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi																				
Scutellaria galericulata																				
Solanum dulcamara									1	1		1			1	1		1		
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*			3	3				3					2						3	
Ditch choked			1																	
Ditch dry (N = near dry)			1			1		1					1						1	
Width (nearest metre)	4	3	2	2	3	2	2	2	2	1	3	3	1	3	4	2	3	3	2	3
Land use north / east	U	U	H	H	F	U	P	P	U	U	U	U	P	U	U	U	H	U	A	P
Land use south / west	U	P	P	P	P	U	P	H	U	U	U	U	F	U	U	U	H	U	H	U
Conductivity (µScm x 100)	32	39		12	29		26		35	13	44	43		47	44	3	39	40		20

Ditch Number	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360
Number of aquatic species	5	5	0	3	7	1	7	0	3	4	3	3	2	3	4	3	5	2	0	3
Number of emergent species	1	4	3	2	3	3	6	0	3	5	1	1	1	1	3	3	3	2	0	6
Number of bank species	1	1	0	2	1	2	2	0	2	3	1	2	2	0	3	2	0	1	0	1
Total number of species	7	10	3	7	11	6	15	0	8	12	5	6	5	4	10	8	8	5	0	10

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

South Thames Estuary & Marshes SSSI

Ditch survey data (20m sample sections)

English Nature 1995

Ditch number	361	362	363	364	365	366	367	368	369	370
Azolla filiculoides								1	1	
Callitriche obtusangula	1			1			1			
Callitriche stagnalis/spp										
Ceratophyllum demersum										
Ceratophyllum submersum	1					1	1		1	1
Chara sp										
Elodea nuttallii										
Enteromorpha sp†										
Filamentous algae†		1	1			1	1	1		
Hydrocharis morsus-ranae										
Lemna gibba							1			
Lemna miniscula										
Lemna minor						1	1			
Lemna trisulca	1					1	1			
Myriophyllum aquaticum										
Myriophyllum spicatum						1				
Nymphaea alba										
Potamogeton crispus										
Potamogeton pectinatus		1					1		1	
Potamogeton pusillus/berchtoldii										
Ranunculus baudotii	1									
Ranunculus circinatus										
Ranunculus trichophyllus	1	1	1				1			
Ranunculus seedling										
Riccia fluitans										
Stratiotes aloides										
Zannichellia palustris										
Alisma plantago-aquatica										
Apium nodiflorum										
Berula erecta	1			1			1		1	
Butomus umbellatus										
Carex riparia										
Eleocharis palustris	1						1			
Equisetum fluviatile										
Glyceria fluitans					1					
Glyceria maxima										
Hippuris vulgaris										
Iris pseudacorus										
Juncus articulatus										
Nasturtium officinale agg				1			1			
Oenanthe aquatica										
Oenanthe fistulosa				1				1		
Phragmites australis*				3					3	
Ranunculus sceleratus	1							1		
Rumex hydrolapathum										
Sagittaria sagittifolia										
Scirpus lacustris										
Scirpus maritimus*	1	3	3			1	3	3	3	3
Sparganium erectum										
Typha angustifolia						1				
Typha latifolia										
Veronica catenata										
Grass dom (Agro/Alop)†										
Atriplex hastata										
Aster tripolium										
Carex acuta										
Carex divisa	1	1	1			1			1	
Carex otrubae			1			1				
Chenopodium chenopodioides										
Crassula helmsii										
Epilobium hirsutum				1		1				
Eupatorium cannabinum										
Galium palustre										
Glaux maritima										
Juncus effusus										
Juncus inflexus				1		1				
Juncus gerardii										
Juncus maritima										
Lycopus europaeus										
Mentha aquatica										
Myosotis cespitosa				1						
Oenanthe lachenalii										
Polypogon monspeliensis										
Pulicaria dysenterica										
Salicornia sp										
Samolus valerandi										
Scutellaria galericulata										
Solanum dulcamara		1		1				1	1	
Spergularia marina										
Spergularia media										
Triglochin palustre										
Scrub cover*				3	3					
Ditch choked				1						
Ditch dry (N = near dry)			1	1	1					
Width (nearest metre)	3	3	2	5	2	3	3	3	4	15
Land use north / east	H	U	U	H	H	P	H	H	U	U
Land use south / west	H	U	U	P	H	U	P	U	U	U
Conductivity (µScm x 100)	40	42				17	42	36	43	79

Ditch number	371	372	373	374	375	376	377	378	379	380
Azolla filiculoides										1
Callitriche obtusangula										
Callitriche stagnalis/spp										
Ceratophyllum demersum										
Ceratophyllum submersum				1		1	1		1	
Chara sp										
Elodea nuttallii										
Enteromorpha sp†										
Filamentous algae†		1	1		1		1		1	
Hydrocharis morsus-ranae										
Lemna gibba				1					1	
Lemna miniscula										
Lemna minor				1			1	1	1	
Lemna trisulca				1	1		1	1	1	
Myriophyllum aquaticum										
Myriophyllum spicatum										
Nymphaea alba										
Potamogeton crispus										
Potamogeton pectinatus						1			1	
Potamogeton pusillus/berchtoldii										
Ranunculus baudotii		1	1			1	1			
Ranunculus circinatus										
Ranunculus trichophyllus						1				
Ranunculus seedling										
Riccia fluitans										
Stratiotes aloides										
Zannichellia palustris										
Alisma plantago-aquatica										
Apium nodiflorum										
Berula erecta						1	1		1	
Butomus umbellatus										
Carex riparia										
Eleocharis palustris				1		1	1			
Equisetum fluviatile										
Glyceria fluitans										
Glyceria maxima										
Hippuris vulgaris										
Iris pseudacorus										
Juncus articulatus										
Nasturtium officinale agg				1				1		
Oenanthe aquatica										
Oenanthe fistulosa					1					
Phragmites australis*									1	
Ranunculus sceleratus						1				
Rumex hydrolapathum										
Sagittaria sagittifolia										
Scirpus lacustris										
Scirpus maritimus*		3	3		3	1		3	2	3
Sparganium erectum										
Typha angustifolia	D									1
Typha latifolia										
Veronica catenata										
Grass dom (Agro/Alop)†										
Atriplex hastata										
Aster tripolium										
Carex acuta										
Carex divisa										1
Carex otrubae				1			1	1		
Chenopodium chenopodioides										
Crassula helmsii										
Epilobium hirsutum										
Eupatorium cannabinum										
Galium palustre										
Glaux maritima										
Juncus effusus										
Juncus inflexus				1			1		1	
Juncus gerardii										
Juncus maritima										
Lycopus europaeus										
Mentha aquatica										
Myosotis cespitosa										
Oenanthe lachenalii										
Polypogon monspeliensis										
Pulicaria dysenterica										
Salicornia sp										
Samolus valerandi										
Scutellaria galericulata										
Solanum dulcamara	1									
Spergularia marina										
Spergularia media										
Triglochin palustre										
Scrub cover*										
Ditch choked	1									
Ditch dry (N = near dry)										
Width (nearest metre)	1	15	15	3	15	3	3	4	3	3
Land use north / east	U	U	U	P	U	H	P	H	H	U
Land use south / west	U	U	U	P	U	H	P	U	H	H
Conductivity (µScm x 100)	35	60	55	15	53	39	23	41	21	36

Ditch Number	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380
Number of aquatic species	5	2	1	1	0	4	7	1	3	1	0	1	1	4	1	4	4	2	5	1
Number of emergent species	4	1	1	4	1	2	4	3	3	1	1	1	1	2	2	4	2	2	3	2
Number of bank species	1	2	2	4	0	4	0	1	2	0	1	0	0	2	0	0	2	1	1	1
Total number of species	10	5	4	9	1	10	11	5	8	2	2	2	2	8	3	8	8	5	9	4

† Excluded from totals

D = dominant

* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%

Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

South Thames Estuary & Marshes SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400
Azolla filiculoides				1						1	1		1			1				
Callitriche obtusangula			1		1															
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum	1	1	1				1	1	1	1	1		1		1					
Chara sp																				
Elodea nuttallii																				
Enteromorpha sp†																				
Filamentous algae†	1	1	1			1		1	1	1	1	1	1	1		1		1	1	1
Hydrocharis morsus-ranae																				
Lemna gibba		1	1					1	1	1	1		1		1					
Lemna miniscula																				
Lemna minor	1	1	1			1		1	1	1	1		1		1			1		
Lemna trisulca	1	1	1			1		1	1	1	1		1		1			1		
Myriophyllum aquaticum																				
Myriophyllum spicatum		1		1				1												
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus		1			1		1		1	1					1	1	1			
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii		1				1	1							1	1	1	1			
Ranunculus circinatus																				
Ranunculus trichophyllus					1			1				1						1		
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																				
Alisma plantago-aquatica		1																		
Apium nodiflorum																				
Berula erecta			1			1		1	1	1	1		1		1					
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris			1		1	1		1	1	1	1	1		1	1	1		1		
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg			1			1		1	1	1	1				1					
Oenanthe aquatica																				
Oenanthe fistulosa			1		1							1		1		1	1	1		1
Phragmites australis*	1			1															3	
Ranunculus sceleratus			1							1										
Rumex hydrolapathum																				
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*	3	1		3	3	1	3	2	1	2	3	2	3			1		1		3
Sparganium erectum																				
Typha angustifolia																				
Typha latifolia																				
Veronica catenata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata																				
Aster tripolium																				
Carex acuta																				
Carex divisa	1				1	1		1		1					1	1		1		
Carex otrubae			1			1	1		1				1							
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum																				
Eupatorium cannabinum																				
Galium palustre																				
Glaux maritima																				
Juncus effusus																				
Juncus inflexus		1													1	1	1			
Juncus gerardii															1					
Juncus maritima																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis cespitosa																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi																				
Scutellaria galericulata																				
Solanum dulcamara		1																		
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*																				
Ditch choked																			1	
Ditch dry (N = near dry)																				
Width (nearest metre)	4	3	3	5	3	3	3	3	3	3	3	2	3	2	3	2	2	2	1	2
Land use north / east	U	P	P	U	H	P	U	H	P	H	P	H	U	H	P	H	H	P	U	H
Land use south / west	H	U	H	H	H	P	H	P	P	P	P	H	P	H	P	H	H	P	U	H
Conductivity (µScm x 100)	53	15	42	36	46	25	51	26	24	26	43	72	47	57	20	55	52	72	64	74

Ditch Number	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400
Number of aquatic species	3	7	5	2	3	3	3	6	5	6	5	1	5	1	6	3	2	3	0	0
Number of emergent species	2	2	5	2	3	4	1	4	4	5	4	3	2	2	3	3	1	3	1	2
Number of bank species	1	2	1	0	1	2	1	1	1	1	0	0	1	0	3	2	1	1	0	0
Total number of species	6	11	11	4	7	9	5	11	10	12	9	4	8	3	12	8	4	7	1	2

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

South Thames Estuary & Marshes SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420
Azolla filiculoides						1														
Callitriche obtusangula	1													1						
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum	1	1			1		1	1	1					1		1	1	1	1	
Chara sp																				
Elodea nuttallii																				
Enteromorpha sp†																	1			
Filamentous algae†	1		1	1			1	1	1	1	1	1	1	1	1		1	1		
Hydrocharis morsus-ranae																				
Lemna gibba	1	1	1				1											1		1
Lemna miniscula																				
Lemna minor	1	1	1				1	1	1					1			1	1		1
Lemna trisulca	1	1	1				1	1						1		1		1		1
Myriophyllum aquaticum																				
Myriophyllum spicatum						1														
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus	1		1		1		1	1		1		1	1	1		1			1	
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii	1		1	1	1			1		1		1	1		1			1	1	
Ranunculus circinatus																				
Ranunculus trichophyllus			1	1					1		1				1					
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta			1				1	1	1					1		1		1		1
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris	1		1		1		1	1		1		1	1	1		1	1	1	1	
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg	1							1		1				1						1
Oenanthe aquatica																				
Oenanthe fistulosa				1	1				1	1	1	1	1		1				1	
Phragmites australis*		1				1														1
Ranunculus sceleratus																				1
Rumex hydrolapathum																				
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*		3	2	2	2	3	3	1	3	1	1	1	2	1	3	2	1	2	1	3
Sparganium erectum																				
Typha angustifolia																				
Typha latifolia																				1
Veronica catenata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata																				
Aster tripolium																				
Carex acuta																				
Carex divisa	1			1	1		1			1	1	1	1					1	1	
Carex otrubae							1				1							1		
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum		1															1			
Eupatorium cannabinum																				
Galium palustre																				
Glaux maritima																				
Juncus effusus																				
Juncus inflexus				1						1								1		
Juncus gerardii											1			1						
Juncus maritima																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis cespitosa																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi																				
Scutellaria galericulata																				
Solanum dulcamara							1													1
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*		3															3			
Ditch choked																				
Ditch dry (N = near dry)																				
Width (nearest metre)	3	2	2	3	4	5	3	3	2	3	2	3	3	3	3	3	3	3	4	3
Land use north / east	P	P	P	H	H	U	H	P	H	H	H	H	H	P	P	P	H	P	H	U
Land use south / west	P	U	P	H	H	H	U	P	P	H	P	H	P	P	P	P	H	P	H	H
Conductivity (µScm x 100)	22	23	55	64	44	39	21	47	66	49	68	60	68	34	78	46	12	20	47	20

Ditch Number	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420
Number of aquatic species	7	4	6	2	3	2	5	5	3	2	1	2	2	5	2	3	2	5	3	3
Number of emergent species	2	2	3	2	3	2	3	4	3	4	2	3	3	4	2	3	2	3	3	6
Number of bank species	1	1	0	2	1	0	3	0	0	2	3	1	1	1	0	0	1	3	1	1
Total number of species	10	7	9	6	7	4	11	9	6	8	6	6	6	10	4	6	5	11	7	10

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

South Thames Estuary & Marshes SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440
Azolla filiculoides							1		1	1					1					
Callitriche obtusangula	1				1								1			1				1
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum	1	1			1	1	1	1			1	1	1	1	1	1	1	1	1	1
Chara sp																				
Elodea nuttallii																				
Enteromorpha sp†																				
Filamentous algae†		1	1	1		1	1				1	1	1	1		1	1		1	1
Hydrocharis morsus-ranae																				
Lemna gibba				1				1				1	1	1						1
Lemna miniscula																				
Lemna minor	1	1		1	1	1		1			1	1	1	1		1			1	1
Lemna trisulca		1		1	1						1	1	1	1		1	1		1	1
Myriophyllum aquaticum																				
Myriophyllum spicatum																				
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus	1	1	1		1	1	1					1	1	1		1			1	
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii			1				1		1	1					1	1	1	1		
Ranunculus circinatus																				
Ranunculus trichophyllus											1									1
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																				
Alisma plantago-aquatica												1								
Apium nodiflorum																				
Berula erecta		1		1	1		1	1			1	1	1			1		1		1
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris	1	1	1	1	1	1		1	1	1	1		1	1	1	1		1		1
Equisetum fluviatile																				1
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris											1							1		1
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg	1			1	1						1	1	1			1	1	1	1	1
Oenanthe aquatica																				
Oenanthe fistulosa			1				1	1		1					1					
Phragmites australis*																				
Ranunculus sceleratus								1												
Rumex hydrolapathum																				
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*			2		2	1	2	2	3	3	2			1	3		3	1		1
Sparganium erectum																				
Typha angustifolia																				
Typha latifolia																				
Veronica catenata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata																				
Aster tripolium																				
Carex acuta																				
Carex divisa		1		1		1		1						1		1			1	
Carex otrubae												1					1			
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum																				
Eupatorium cannabinum																				
Galium palustre																				
Glaux maritima																				
Juncus effusus																				
Juncus inflexus								1		1		1		1						
Juncus gerardii															1					
Juncus maritima																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis cespitosa																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi																				
Scutellaria galericulata																				
Solanum dulcamara																				
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*								2												
Ditch choked																				
Ditch dry (N = near dry)																				
Width (nearest metre)	3	3	3	3	3	3	4	3	8	6	3	3	3	3	6	3	3	3	3	4
Land use north / east	P	P	P	P	P	P	P	H	H	H	P	P	P	P	H	P	P	P	P	P
Land use south / west	P	P	P	P	P	P	P	H	H	H	P	P	P	P	H	P	P	P	P	P
Conductivity (µScm x 100)	12	42	50	30	42	44	50	29	44	40	55	30	40	39	39	41	20	50	32	31

Ditch Number	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440
Number of aquatic species	4	4	2	3	5	3	4	3	2	2	4	5	6	5	3	6	3	2	4	6
Number of emergent species	2	2	3	3	4	2	3	5	2	3	5	3	3	2	3	3	2	5	1	6
Number of bank species	0	1	0	1	0	1	0	2	0	1	0	2	0	2	1	1	1	0	1	0
Total number of species	6	7	5	7	9	6	7	10	4	6	9	10	9	9	7	10	6	7	6	12

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460
Azolla filiculoides					1		1					1	1							
Callitriche obtusangula	1												1		1					
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum	1	1	1	1		1		1	1		1	1	1	1	1	1	1	1	1	1
Chara sp																				
Elodea nuttallii																				
Enteromorpha sp†			1															1		
Filamentous algae†	1	1					1	1		1	1	1	1	1	1	1		1	1	1
Hydrocharis morsus-ranae																				
Lemna gibba	1					1					1				1					
Lemna miniscula																				
Lemna minor		1				1					1				1				1	
Lemna trisulca	1	1	1			1	1		1		1	1	1		1	1	1		1	1
Myriophyllum aquaticum																				
Myriophyllum spicatum			1																	
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus		1		1			1			1		1	1	1	1	1	1	1		1
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii	1	1		1	1		1													
Ranunculus circinatus																				
Ranunculus trichophyllus					1		1						1							
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta	1		1					1			1		1		1	1		1	1	1
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris	1	1		1		1	1	1		1	1	1	1	1	1	1	1		1	1
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris	1																			
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg	1	1			1	1	1		1		1	1	1			1	1	1		
Oenanthe aquatica																				
Oenanthe fistulosa				1			1	1		1		1	1		1	1		1		
Phragmites australis*					2															
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*			2	3	2		2	2	1	3	1	2	1			2	3	2	3	1
Sparganium erectum																				
Typha angustifolia																				
Typha latifolia																				
Veronica catenata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata																				
Aster tripolium																				
Carex acuta																				
Carex divisa		1	1						1		1		1	1			1			
Carex otrubae			1			1										1				
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum																				
Eupatorium cannabinum																				
Galium palustre																				
Glaux maritima																				
Juncus effusus																				
Juncus inflexus																				1
Juncus gerardii																				
Juncus maritima																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis cespitosa																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi																				
Scutellaria galericulata																				
Solanum dulcamara																				
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*			1																	
Ditch choked																				
Ditch dry (N = near dry)																				
Width (nearest metre)	3	3	3	5	6	3	4	2	3	3	3	3	3	3	3	4	3	3	3	4
Land use north / east	P	P	H	P	U	P	P	P	P	H	P	P	P	P	P	P	P	P	P	P
Land use south / west	P	P	H	P	P	P	P	P	P	H	P	P	P	P	P	P	P	P	P	P
Conductivity (µScm x 100)	25	40	21	50	33	30	40	44	12	50	36	31	38	33	25	32	33	31	33	30

Ditch Number	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460
Number of aquatic species	5	5	3	3	3	4	5	1	2	1	4	4	6	2	6	3	3	2	3	3
Number of emergent species	4	2	2	3	3	2	4	4	2	3	4	4	5	1	3	5	3	4	3	3
Number of bank species	0	1	2	0	0	1	0	0	1	0	1	0	1	1	0	1	1	0	0	1
Total number of species	9	8	7	6	6	7	9	5	5	4	9	8	12	4	9	9	7	6	6	7

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480
Azolla filiculoides				1						1	1				1					
Callitriche obtusangula	1													1						
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1		1	1	1
Chara sp																				
Elodea nuttallii																				
Enteromorpha sp†				1																
Filamentous algae†	1	1	1	1	1	1	1		1	1		1				1	1	1	1	
Hydrocharis morsus-ranae																				
Lemna gibba	1	1														1				
Lemna miniscula																				
Lemna minor		1		1		1				1						1	1			
Lemna trisulca	1	1	1	1	1	1			1			1		1		1	1	1		
Myriophyllum aquaticum																				
Myriophyllum spicatum																				
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus		1	1	1	1					1					1				1	1
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii								1												
Ranunculus circinatus																				
Ranunculus trichophyllus	1						1							1					1	
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum										1										
Berula erecta	1	1	1	1						1		1	1	1				1		
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris	1	1	1	1	1		1	1			1		1	1	1				1	1
Equisetum fluviatile																				
Glyceria fluitans							1									1				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg			1	1	1		1			1				1		1		1		
Oenanthe aquatica																				
Oenanthe fistulosa	1		1	1	1		1	1		1				1		1		1	1	1
Phragmites australis*													1							
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*	1	2	1	1	2	3	2	3	3	3	2	3	3		3	1	3	3		3
Sparganium erectum																				
Typha angustifolia																				
Typha latifolia																				
Veronica catenata											1									
Grass dom (Agro/Alop)†																				
Atriplex hastata																				
Aster tripolium																				
Carex acuta																				
Carex divisa													1			1				
Carex otrubae					1		1		1	1				1	1	1				
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum																				
Eupatorium cannabinum																				
Galium palustre																				
Glaux maritima																				
Juncus effusus																1				
Juncus inflexus						1	1						1			1	1		1	
Juncus gerardii															1					
Juncus maritima																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis cespitosa																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi																				
Scutellaria galericulata																				
Solanum dulcamara												1								
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*																				
Ditch choked																				
Ditch dry (N = near dry)																				
Width (nearest metre)	5	3	3	5	4	3	2	2	2	3	6	4	3	4	5	2	2	4	2	4
Land use north / east	P	P	P	P	P	H	P	H	H	H	U	H	P	P	H	H	H	H	H	H
Land use south / west	P	P	P	P	P	H	P	H	H	P	P	H	H	P	H	P	H	H	P	H
Conductivity (µScm x 100)	22	30	30	28	34	35	31	58	31	38	34	29	35	30	42	30	42	34	29	52

Ditch Number	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480
Number of aquatic species	5	5	3	5	3	2	2	2	2	4	2	2	1	4	3	4	2	2	3	2
Number of emergent species	4	3	5	5	4	1	5	3	1	5	3	2	4	4	2	4	1	4	2	3
Number of bank species	0	0	0	0	1	1	2	0	1	1	0	1	2	1	2	4	1	0	1	0
Total number of species	9	8	8	10	8	4	9	5	4	10	5	5	7	9	7	12	4	6	6	5

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500
Azolla filiculoides							1				1				1	1	1			
Callitriche obtusangula					1			1												
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum	1	1	1	1	1	1	1	1		1	1		1	1		1	1	1	1	
Chara sp																				
Elodea nuttallii																				
Enteromorpha sp†																				
Filamentous algae†	1	1	1	1	1	1		D	1	D	1		D	1		1		1	1	
Hydrocharis morsus-ranae																				
Lemna gibba			1		1															
Lemna miniscula																				
Lemna minor						1		1						1					1	
Lemna trisulca	1	1	1	1	1	1		1		1			1	1		1			1	
Myriophyllum aquaticum																				
Myriophyllum spicatum																				
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus					1	1	1	1	1	1	1		1	1		1		1		
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii									1											
Ranunculus circinatus																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta		1						1		1					1				1	
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris			1	1	1		1	1		1	1	1			1	1	1			
Equisetum fluviatile																				
Glyceria fluitans				1																
Glyceria maxima																				
Hippuris vulgaris									1											
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg			1	1	1									1						
Oenanthe aquatica																				
Oenanthe fistulosa			1	1	1		1				1			1		1				
Phragmites australis*															1					
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*	2	3	2	1	2	3	2	2	3	2	2	3	2	3	2	3	3	2	2	3
Sparganium erectum																				
Typha angustifolia																				
Typha latifolia		1																		
Veronica catenata									1						1					
Grass dom (Agro/Alop)†																				
Atriplex hastata	1'											1	1					1	1	
Aster tripolium																				
Carex acuta																				
Carex divisa										1			1					1		
Carex otrubae					1			1		1			1	1						1
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum																				
Eupatorium cannabinum																				
Galium palustre																				
Glaux maritima																				
Juncus effusus																				
Juncus inflexus																				
Juncus gerardii			1		1								1				1			
Juncus maritima																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis cespitosa																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi	1												1							
Scutellaria galericulata																				
Solanum dulcamara													1							
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*	1																			
Ditch choked												1								1
Ditch dry (N = near dry)												1								1
Width (nearest metre)	2	3	3	2	3	5		4	8	3	2	3	3	3	6	3	6	3	4	4
Land use north / east	P	H	P	P	P	P	P	P	H	P	P	P	H	P	P	P	H	P	S	P
Land use south / west	U	H	P	P	P	H	P	S	P	S	P	P	P	P	P	P	H	U	P	P
Conductivity (µScm x 100)	54	36	22	29	22	30		46	32	46	23		52	29	33	39	40	56	44	

Ditch Number	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500
Number of aquatic species	2	2	3	2	5	4	3	5	2	3	3	0	3	4	1	4	2	2	3	0
Number of emergent species	1	3	4	5	4	1	3	3	3	3	3	2	1	3	5	3	2	1	2	1
Number of bank species	2	0	1	0	2	0	0	1	0	2	0	1	6	1	0	0	1	2	1	1
Total number of species	5	5	8	7	11	5	6	9	5	8	6	3	10	8	6	7	5	5	6	2

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520
Azolla filiculoides		1			1															
Callitriche obtusangula				1					1					1						
Callitriche stagnalis/spp																				
Ceratophyllum demersum									1		1			1						
Ceratophyllum submersum		1			1								1					1	1	
Chara sp																				
Elodea nuttallii																				
Enteromorpha sp†				1					1		1			D		1				
Filamentous algae†	1		1		1								1		1			D	D	1
Hydrocharis morsus-ranae																				
Lemna gibba			1								1									
Lemna miniscula																				
Lemna minor	1			1					1		1		1	1		1		1	1	
Lemna trisulca	1			1	1				1		1		1	1		1		1	1	1
Myriophyllum aquaticum																				
Myriophyllum spicatum											1									
Nymphaea alba																				
Potamogeton crispus				1							1			1						
Potamogeton pectinatus			1		1						1									1
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				1
Ranunculus circinatus																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta	1								1				1	1		1		1	1	1
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris		1	1	1					1		1		1	1						
Equisetum fluviatile																				
Glyceria fluitans			1																	
Glyceria maxima																				
Hippuris vulgaris					1															
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg	1		1		1								1					1		
Oenanthe aquatica																				
Oenanthe fistulosa					1									1	1					
Phragmites australis*							1													
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*	2	2		1	2	3	2	3	2	3	2	3	2	2	3	3	3	2	2	
Sparganium erectum																				
Typha angustifolia																				
Typha latifolia																				
Veronica catenata		1																		
Grass dom (Agro/Alop)†																				
Atriplex hastata																		1		
Aster tripolium																				
Carex acuta																				
Carex divisa									1		1			1				1	1	
Carex otrubae				1					1				1	1		1				
Chenopodium chenopodioides																				
Crassula helmsii									1							1				
Epilobium hirsutum				1																
Eupatorium cannabinum																				
Galium palustre																				
Glaux maritima																				
Juncus effusus																				
Juncus inflexus				1					1					1						
Juncus gerardii																				
Juncus maritima																				
Lycopus europaeus				1					1					1		1		1	1	
Mentha aquatica																				
Myosotis cespitosa																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi																				
Scutellaria galericulata																				
Solanum dulcamara				1												1				
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*				1						2	1					1				
Ditch choked						1		1		1		1				1				
Ditch dry (N = near dry)						N		1		1		1				N	1			
Width (nearest metre)	2	1	2	4	3	3	5	3	3	2	3	3	4	3	2	2	2	3	3	2
Land use north / east	P	P	P	P	P	P	U	P	U	F	P	P	S	P	P	P	F	P.	S	P
Land use south / west	P	P	P	U	P	P	P	P	H	U	H	P	P	H	P	F	F	P	P	P
Conductivity (µScm x 100)	23		25	4	30	92	30		6		39		45	21	46	26		42	42	30

Ditch Number	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520
Number of aquatic species	2	2	2	4	4	0	0	0	4	0	7	0	3	5	0	2	0	3	3	3
Number of emergent species	3	3	3	2	4	1	2	1	3	1	2	1	4	4	2	2	1	3	2	1
Number of bank species	0	0	0	5	0	0	0	0	5	0	1	0	1	4	0	4	0	3	2	0
Total number of species	5	5	5	11	8	1	2	1	12	1	10	1	8	13	2	8	1	9	7	4

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

South Thames Estuary & Marshes SSSI

Ditch survey data (20m sample sections)

English Nature 1995

Ditch number	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540
Azolla filiculoides																				
Callitriche obtusangula																				
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum		1		1	1												1			
Chara sp																				
Elodea nuttallii																				
Enteromorpha sp†																				
Filamentous algae†					1			D			1				1			1		
Hydrocharis morsus-ranae																				
Lemna gibba				1													1			
Lemna miniscula																				
Lemna minor			1	1	1	1					1						1	1		
Lemna trisulca			1		1						1							1	1	
Myriophyllum aquaticum																				
Myriophyllum spicatum																				
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus																	1			
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus circinatus																				
Ranunculus trichophyllus										1					1			1	1	
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta											1									
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris				1	1												1			
Equisetum fluviatile																				
Glyceria fluitans							1					1				1				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa		1		1	1	1	1										1	1	1	
Phragmites australis*		2											1							1
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*		2	2			3	3	2	3	3	2	1			2	2	1	2	2	
Sparganium erectum																				
Typha angustifolia					1															
Typha latifolia																				
Veronica catenata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata			1			1	1		1	1		1			1	1			1	
Aster tripolium																				
Carex acuta																				
Carex divisa																1				
Carex otrubae					1															
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum																				
Eupatorium cannabinum																				
Galium palustre							1									1				
Glaux maritima																				
Juncus effusus																				
Juncus inflexus				1	1		1					1				1	1			
Juncus gerardii																				
Juncus maritima																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis cespitosa																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi															1					
Scutellaria galericulata																				
Solanum dulcamara						1	1					1				1				
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*	3					1	1		1	1		2	2	3	1	2				3
Ditch choked		1					1			1										
Ditch dry (N = near dry)	1					N	1	N	N	1		1	1	1	N	N				1
Width (nearest metre)	1	2	2	1	1	2	2	2	2	2	2	1	1	1	2	2	1	2	2	1
Land use north / east	F	P	P	P	P	P	H	S	H	P	P	H	P	F	P	F	P	S	P	F
Land use south / west	A	P	P	P	P	F	F	P	P	P	P	F	F	F	H	H	P	P	P	A
Conductivity (µScm x 100)		42	63	44	39	66		59	96		61				109	40	43	70	79	

Ditch Number	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540
Number of aquatic species	0	1	2	3	3	1	0	0	0	1	2	0	0	0	1	0	4	3	2	0
Number of emergent species	0	3	1	2	3	2	3	1	1	1	2	2	1	0	1	2	3	2	2	1
Number of bank species	0	0	1	1	2	2	4	0	1	1	0	3	0	0	2	5	1	0	1	0
Total number of species	0	4	4	6	8	5	7	1	2	3	4	5	1	0	4	7	8	5	5	1

† Excluded from totals

D = dominant

* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%

Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

South Thames Estuary & Marshes SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560
Azolla filiculoides								1	1											
Callitriche obtusangula																1		1	1	
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum								1										1	1	
Chara sp																				
Elodea nuttallii																				
Enteromorpha sp†					1								1							
Filamentous algae†			1		1			1	1	1		1								
Hydrocharis morsus-ranae																				
Lemna gibba								1											1	
Lemna miniscula																				
Lemna minor								1	1									1	1	
Lemna trisulca					1		1	1	1				1	1					1	
Myriophyllum aquaticum																				
Myriophyllum spicatum																				
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus	1							1												
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii								1												
Ranunculus circinatus																				
Ranunculus trichophyllus			1	1			1			1		1				1				
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta								1								1			1	
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris								1								1		1	1	
Equisetum fluviatile																				
Glyceria fluitans															1					
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																		1	1	
Oenanthe aquatica																				
Oenanthe fistulosa		1						1				1	1					1	1	
Phragmites australis*	2										1					1	3			3
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*	2	2	2	3	2	1	2		3	3		2	2	2		1				1
Sparganium erectum																		1	1	
Typha angustifolia																		1		
Typha latifolia																				
Veronica catenata	1																			
Grass dom (Agro/Alop)†																				
Atriplex hastata		1	1	1		1	1		1			1		1						1
Aster tripolium																				
Carex acuta																				
Carex divisa					1							1			1					
Carex otrubae					1				1			1	1	1		1				
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum																				
Eupatorium cannabinum																				
Galium palustre																		1	1	
Glaux maritima																				
Juncus effusus																				
Juncus inflexus						1		1				1			1	1		1	1	
Juncus gerardii																			1	
Juncus maritima																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis cespitosa																			1	
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica							1													
Salicornia sp																				
Samolus valerandi		1																		
Scutellaria galericulata																				
Solanum dulcamara			1		1				1							1				
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*		1	3		1	3	1		1		3	1	1	2	3	2	1			
Ditch choked				1													1			1
Ditch dry (N = near dry)		N	N			1			N		1				1	1	1			1
Width (nearest metre)	7	2	2	2	2	1	2	4	2	2	2	1	2	2	2	2	2	1	3	2
Land use north / east	U	P	P	S	P	F	F	P	H	P	U	P	F	P	P	P	U	P	P	P
Land use south / west	P	H	F	P	F	P	P	P	P	P	F	P	P	F	H	H	F	P	P	H
Conductivity (µScm x 100)	23	105	63	62	60		69	28	62	76		67	65	75				19	20	

Ditch Number	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560
Number of aquatic species	1	0	1	1	1	0	2	7	3	1	0	1	1	1	0	2	0	3	5	0
Number of emergent species	3	2	1	1	1	1	1	3	1	1	1	2	2	1	1	4	1	5	5	2
Number of bank species	0	2	2	1	3	2	2	1	3	0	0	4	1	2	2	3	0	2	4	1
Total number of species	4	4	4	3	5	3	5	11	7	2	1	7	4	4	3	9	1	10	14	3

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

South Thames Estuary & Marshes SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580
Azolla filiculoides																				
Callitriche obtusangula				1				1				1				1		1	1	
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum				1								1				1		1	1	1
Chara sp																				
Elodea nuttallii																				
Enteromorpha sp†																				
Filamentous algae†																	1		1	
Hydrocharis morsus-ranae																				
Lemna gibba				1								1								
Lemna miniscula																				
Lemna minor				1								1				1		1		1
Lemna trisulca	1			1								1				1		1		1
Myriophyllum aquaticum																				
Myriophyllum spicatum																				
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus																1			1	
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii								1									1			
Ranunculus circinatus																				
Ranunculus trichophyllus	1																			
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																				
Alisma plantago-aquatica																			1	1
Apium nodiflorum																				
Berula erecta								1				1						1		1
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris				1		1	1	1			1	1				1	1	1	1	
Equisetum fluviatile																				
Glyceria fluitans							1			1			1	1	1					
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa	1	1		1	1	1	1	1		1		1	1	1		1	1	1	1	1
Phragmites australis*	3						1			3						2		2		
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*	1	3	3		3	2	2	2		1	1		1	1		2	3	2	3	2
Sparganium erectum								1				1								1
Typha angustifolia				1																1
Typha latifolia																				
Veronica catenata												1						1	1	
Grass dom (Agro/Alop)†																				
Atriplex hastata		1	1		1															
Aster tripolium																				
Carex acuta																				
Carex divisa						1	1	1	1	1	1		1	1	1	1	1	1		1
Carex otrubae				1				1				1					1		1	1
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum												1								
Eupatorium cannabinum																				
Galium palustre				1								1								
Glaux maritima																				
Juncus effusus				1																
Juncus inflexus				1				1				1	1	1			1			1
Juncus gerardii				1																
Juncus maritima																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis cespitosa												1								
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi																	1			
Scutellaria galericulata																				
Solanum dulcamara							1									1	1		1	1
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*		1				1	2	1	2	1	1			1		1	1		1	2
Ditch choked	1	1	1		1			1		1						1	1			
Ditch dry (N = near dry)		1	N		N	1	1		1	1	1		1	1	1					
Width (nearest metre)	1	1	1	4	1	2	1	1	3	3	3	3	2	3	2	2	2	3	3	3
Land use north / east	U	S	U	P	U	H	P	P	P	H	P	P	H	H	H	P	P	P	H	H
Land use south / west	P	P	F	P	H	H	P	P	P	H	P	P	H	H	H	P	P	P	H	P
Conductivity (µScm x 100)	54		64	22	62			48				17				35	35	35	22	31

Ditch Number	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580
Number of aquatic species	2	0	0	5	0	0	0	2	0	0	0	5	0	0	0	5	1	4	3	3
Number of emergent species	3	2	1	3	2	3	5	5	0	4	2	5	3	3	1	4	3	6	5	6
Number of bank species	0	1	1	5	1	1	2	3	1	1	1	5	2	2	1	2	5	1	2	4
Total number of species	5	3	2	13	3	4	7	10	1	5	3	15	5	5	2	11	9	11	10	13

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

South Thames Estuary & Marshes SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600
Azolla filiculoides								1					1					1		
Callitriche obtusangula	1	1				1			1											
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum	1	1	1			1			1										1	
Chara sp																				
Elodea nuttallii																				
Enteromorpha sp†																				
Filamentous algae†	1					1													1	
Hydrocharis morsus-ranae																				
Lemna gibba		1																		
Lemna miniscula																				
Lemna minor		1	1									1							1	
Lemna trisulca	1	1	1		1	1		1		1		1	1		1	1	1		1	
Myriophyllum aquaticum																				
Myriophyllum spicatum																				
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus	1					1														
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus circinatus																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																				
Alisma plantago-aquatica		1										1								
Apium nodiflorum		1										1								
Berula erecta	1	1	1			1			1				1			1	1		1	
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris	1		1			1	1		1					1		1		1	1	
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg									1							1				
Oenanthe aquatica																				
Oenanthe fistulosa		1	1	1	1	1	1	1								1		1	1	
Phragmites australis*			3	3	3					3	3				3					
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*	3					3							3			3	3	3	1	
Sparganium erectum		1				1	1	1	1			1			1					
Typha angustifolia								1	1				1	1		1	1			1
Typha latifolia																				
Veronica catenata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata				1					1											
Aster tripolium																				
Carex acuta																				
Carex divisa			1				1												1	
Carex otrubae		1		1	1			1		1						1				
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum											1		1				1			
Eupatorium cannabinum																				
Galium palustre		1						1	1											
Glaux maritima																				
Juncus effusus		1																		
Juncus inflexus	1	1					1	1	1				1	1		1	1		1	
Juncus gerardii		1							1											
Juncus maritima																				
Lycopus europaeus													1	1						
Mentha aquatica																				
Myosotis cespitosa		1						1	1											
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica													1							
Salicornia sp																				
Samolus valerandi																				
Scutellaria galericulata																				
Solanum dulcamara												1		1						1
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*	1					1					2	1		1						
Ditch choked				1	1		1	1		1	1	1	1	1	1		1			1
Ditch dry (N = near dry)				1			1							1						
Width (nearest metre)	3	2	2	3	3	3	2	2	4	3	3	3	2	2	2	2	2	4	3	1
Land use north / east	P	P	P	H	P	H	H	P	P	H	H	P	P	H	H	P	P	P	P	H
Land use south / west	H	P	H	P	H	H	H	P	P	P	H	P	H	H	P	P	H	P	P	H
Conductivity (µScm x 100)	33	19	35		34	22		30	22	34		10	16		37	20	18	40	29	14

Ditch Number	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600
Number of aquatic species	4	5	3	0	1	4	0	2	2	1	0	2	2	0	1	1	1	1	3	0
Number of emergent species	3	5	4	2	2	5	3	3	5	1	1	3	3	2	2	6	3	3	4	1
Number of bank species	1	6	1	2	1	0	2	4	5	1	1	1	4	3	0	2	2	0	2	1
Total number of species	8	16	8	4	4	9	5	9	12	3	2	6	9	5	3	9	6	4	9	2

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

South Thames Estuary & Marshes SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620
Azolla filiculoides					1														1	
Callitriche obtusangula				1			1			1		1		1	1		1			
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum										1	1		1		1	1				
Chara sp																				
Elodea nuttallii																				
Enteromorpha sp†																				
Filamentous algae†								1		1	1			1	1		1	1	1	
Hydrocharis morsus-ranae																				
Lemna gibba										1					1					
Lemna miniscula																				
Lemna minor	1						1	1		1					1					
Lemna trisulca	1	1		1	1		1			1						1				
Myriophyllum aquaticum																				
Myriophyllum spicatum											1									
Nymphaea alba																			1	
Potamogeton crispus																				
Potamogeton pectinatus													1			1				
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii											1			1						
Ranunculus circinatus																				
Ranunculus trichophyllus																1				
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																1				
Alisma plantago-aquatica						1	1			1					1		1			
Apium nodiflorum																				
Berula erecta	1					1	1			1		1			1		1			
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris					1		1	1			1	1	1			1	1		1	1
Equisetum fluviatile																				
Glyceria fluitans											1									
Glyceria maxima																				
Hippuris vulgaris																				1
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg															1	1	1			
Oenanthe aquatica																				
Oenanthe fistulosa						1					1	1	1			1		1		1
Phragmites australis*	3	3		3					3		3			3			3			
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Sagittaria sagittifolia																				
Scirpus lacustris																			1	1
Scirpus maritimus*			3		3	3	2	2	1	3	1	2	2		3	2	3	3	1	3
Sparganium erectum	1					1	1			1					1		1			
Typha angustifolia	1					1					1	1		1						
Typha latifolia					1		1													
Veronica catenata							1										1			
Grass dom (Agro/Alop)†																				
Atriplex hastata							1								1					
Aster tripolium																				
Carex acuta																				
Carex divisa					1		1					1				1				1
Carex otrubae					1	1	1					1	1							
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum																				
Eupatorium cannabinum																				
Galium palustre	1					1														
Glaux maritima																				
Juncus effusus																				
Juncus inflexus					1	1	1									1				
Juncus gerardii																1				
Juncus maritima																				
Lycopus europaeus						1	1			1					1		1			
Mentha aquatica																				
Myosotis cespitosa																				
Oenanthe lachenalii							1													
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi																1				
Scutellaria galericulata																				
Solanum dulcamara					1	1														
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*	1					1														
Ditch choked	1	1	1		1	1			1		1	1		1				1		1
Ditch dry (N = near dry)		1	1						1			1						1		1
Width (nearest metre)	2	3	1	5	3	2	3	3	2	2	2	1	4	2	3	3	3	2	4	1
Land use north / east	H	H	H	H	H	H	H	P	H	H	H	H	P	H	H	P	H	H	P	H
Land use south / west	P	H	H	H	H	H	H	P	H	H	H	H	P	H	H	P	H	H	P	H
Conductivity (µScm x 100)	11			19	40	21	15	70		20	54		33	66	20	40	19		35	

Ditch Number	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620
Number of aquatic species	2	1	0	2	2	0	3	1	0	5	3	1	2	2	4	5	1	0	2	0
Number of emergent species	4	1	1	1	3	6	7	2	2	4	6	5	3	2	5	4	8	2	3	5
Number of bank species	1	0	0	0	4	5	6	0	0	1	0	2	1	0	2	4	1	0	0	1
Total number of species	7	2	1	3	9	11	16	3	2	10	9	8	6	4	11	13	10	2	5	6

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

South Thames Estuary & Marshes SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640
Azolla filiculoides								1												
Callitriche obtusangula	1						1		1				1	1						1
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum					1								1			1				
Chara sp																				
Elodea nuttallii																				
Enteromorpha sp†									1							1				
Filamentous algae†	1	1	1		1		1		1			1	1	1	1	1			1	1
Hydrocharis morsus-ranae																				
Lemna gibba																1				
Lemna miniscula																				
Lemna minor								1								1				
Lemna trisulca																1			1	
Myriophyllum aquaticum																				
Myriophyllum spicatum									1					1						1
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus						1						1	1							
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii							1							1		1				1
Ranunculus circinatus																				
Ranunculus trichophyllus																				1
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																				
Alisma plantago-aquatica				1										1						
Apium nodiflorum																				
Berula erecta	1													1						1
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris				1	1	1				1	1	1	1	1	1	1				1
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris				1	1								1							
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg								1												
Oenanthe aquatica																				
Oenanthe fistulosa	1	1	1	1	1	1	1		1	1	1	1	1		1		1	1		1
Phragmites australis*								3	1						1	2				3
Ranunculus sceleratus							1													
Rumex hydrolapathum																				
Sagittaria sagittifolia																				
Scirpus lacustris				1									1							
Scirpus maritimus*	3	3	3	3	3	3	3		3	3	3	3	3	1	3	1	3	3	3	3
Sparganium erectum	1													1						
Typha angustifolia																1				
Typha latifolia																				
Veronica catenata														1		1				1
Grass dom (Agro/Alop)†																1				
Atriplex hastata	1																1	1		
Aster tripolium																				
Carex acuta																				
Carex divisa		1					1		1		1		1		1	1	1	1		1
Carex otrubae	1	1			1								1							
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum																				
Eupatorium cannabinum																				
Galium palustre																				
Glaux maritima																				
Juncus effusus																				
Juncus inflexus			1					1	1		1			1		1				
Juncus gerardii																	1	1		
Juncus maritima																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis cespitosa																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi		1							1											
Scutellaria galericulata																				
Solanum dulcamara																				
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*																				
Ditch choked		1	1	1			1			1					1		1			
Ditch dry (N = near dry)		1	1	1						1	1				1		1	1		
Width (nearest metre)	2	2	3	1	2	3	2	4	5	1	1	3	2	3	2	2	1	2	3	4
Land use north / east	H	H	H	H	H	P	H	P	H	H	H	P	H	H	H	H	H	H	P	H
Land use south / west	H	H	H	H	H	P	H	H	H	H	H	P	H	H	H	H	H	H	P	H
Conductivity (µScm x 100)	72				10	192	78	17	35			49	60	17		24			60	35

Ditch Number	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640
Number of aquatic species	1	0	0	0	1	1	2	2	2	0	0	1	3	3	0	5	0	0	1	4
Number of emergent species	4	2	2	6	4	3	3	2	3	3	3	3	5	6	4	5	2	2	1	6
Number of bank species	2	3	1	0	1	0	1	1	3	0	2	0	2	1	1	2	3	3	0	1
Total number of species	7	5	3	6	6	4	6	5	8	3	5	4	10	10	5	12	5	5	2	11

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

South Thames Estuary & Marshes SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660
Azolla filiculoides		1																		
Callitriche obtusangula											1	1			1			1	1	
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum	1									1		1	1				1	1		1
Chara sp																				
Elodea nuttallii																				
Enteromorpha sp†									1		1	1	1		1		1	1	1	1
Filamentous algae†				1			1				1		1	1	1			1		1
Hydrocharis morsus-ranae																				
Lemna gibba								1		1		1	1				1			
Lemna miniscula																				
Lemna minor								1	1	1	1	1	1	1	1		1	1	1	
Lemna trisulca	1	1						1		1	1	1	1	1	1		1			1
Myriophyllum aquaticum																				
Myriophyllum spicatum											1			1	1				1	
Nymphaea alba																				
Potamogeton crispus																			1	
Potamogeton pectinatus									1		1	1	1		1		1	1	1	1
Potamogeton pusillus/berchtoldii																			1	
Ranunculus baudotii											1								1	
Ranunculus circinatus																				
Ranunculus trichophyllus															1					
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris											1									
Alisma plantago-aquatica								1			1							1		
Apium nodiflorum													1					1	1	1
Berula erecta								1			1				1			1		
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris		1	1					1	1	1	1	1	1		1	1	1	1	1	1
Equisetum fluviatile										1										
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris							1	1			1								1	
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg											1								1	1
Oenanthe aquatica																				
Oenanthe fistulosa	1					1	1							1				1		
Phragmites australis*		2												3						
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*	3		3	3	3	3	3	2		1	1	2		3	1		1		1	1
Sparganium erectum								1			1	1			1			1	1	
Typha angustifolia											1				1			1		
Typha latifolia																				
Veronica catenata											1				1				1	
Grass dom (Agro/Alop)†											1			1						1
Atriplex hastata	1						1													
Aster tripolium																				
Carex acuta																				
Carex divisa			1			1			1	1		1	1			1	1		1	
Carex otrubae																			1	
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum		1																		
Eupatorium cannabinum																				
Galium palustre		1																		
Glaux maritima																				
Juncus effusus																				
Juncus inflexus		1								1	1	1	1		1		1	1	1	1
Juncus gerardii														1						
Juncus maritima																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis cespitosa																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi			1			1														
Scutellaria galericulata																				
Solanum dulcamara	1	1					1													
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*		3			1															
Ditch choked			1	1		1	1													
Ditch dry (N = near dry)			1	1		1										1				
Width (nearest metre)	3	5	3	2	3	1	2	3	6	4	4	4	4	4	4	3	3	3	4	3
Land use north / east	P	H	P	H	H	H	H	H	P	P	P	P	P	H	P	H	P	P	P	P
Land use south / west	P		P	H	H	H	H	H	P	P	P	P	P	H	P	H	P	P	P	P
Conductivity (µScm x 100)	59	17			64		73	16	17	20	17	20	20	36	17		40	21	17	40

Ditch Number	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660
Number of aquatic species	2	2	0	0	0	0	0	3	2	4	7	6	5	3	6	0	5	4	7	3
Number of emergent species	2	2	2	1	1	2	3	6	1	3	9	3	2	3	6	1	2	7	7	4
Number of bank species	2	4	2	0	0	2	2	0	1	2	1	2	2	1	1	1	2	1	3	1
Total number of species	6	8	4	1	1	4	5	9	4	9	17	11	9	7	13	2	9	12	17	8

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

South Thames Estuary & Marshes SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680
Azolla filiculoides																				1
Callitriche obtusangula		1		1			1			1	1		1		1					
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum	1	1				1			1						1					
Chara sp																				
Elodea nuttallii																				
Enteromorpha sp†		1				1							1		1					
Filamentous algae†	1	1			1	1	1			1				1			1			
Hydrocharis morsus-ranae																				
Lemna gibba	1																			
Lemna miniscula																				
Lemna minor	1	1				1							1		1	1		1		
Lemna trisulca	1	1			1	1		1	1						1	1				
Myriophyllum aquaticum																				
Myriophyllum spicatum				1			1				1									1
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus	1	1	1							1					1					
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii											1							1		
Ranunculus circinatus																				
Ranunculus trichophyllus			1	1																
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																				
Alisma plantago-aquatica		1		1		1				1	1				1					
Apium nodiflorum		1				1									1					
Berula erecta																				
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris	1	1	1	1		1				1	1		1		1		1		1	1
Equisetum fluviatile																				
Glyceria fluitans																			1	
Glyceria maxima																				
Hippuris vulgaris										1										
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg		1													1					
Oenanthe aquatica															1					
Oenanthe fistulosa					1				1	1							1			1
Phragmites australis*					3		3	3	3		1	3	1			1		3		1
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Sagittaria sagittifolia																				
Scirpus lacustris																				1
Scirpus maritimus*	1	1	1	2	1	1	3	1	2	3	3			3		1	3			1
Sparganium erectum			1	1		1					1					1				
Typha angustifolia		1	1			1								1						
Typha latifolia																				
Veronica catenata		1	1	1																
Grass dom (Agro/Alop)†																			1	
Atriplex hastata																		1		
Aster tripolium																				
Carex acuta																				
Carex divisa	1	1	1										1			1		1	1	1
Carex otrubae													1							
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum																				
Eupatorium cannabinum																				
Galium palustre																				
Glaux maritima																				
Juncus effusus																				
Juncus inflexus	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1			1	1
Juncus gerardii																				
Juncus maritima																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis cespitosa																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi																				
Scutellaria galericulata																				
Solanum dulcamara																1				
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*												3								
Ditch choked								1						1			1			
Ditch dry (N = near dry)																			1	
Width (nearest metre)	4	4	5	5	3	4	4	3	3	1	4	5	2	1	5	4	2	3	2	4
Land use north / east	P	P	H	H	H	P	H	P	H	H	H	H	H	H	P	P	H	P	P	H
Land use south / west	P	P	H	H	H	P	P	H	H	H	H	A	P	H	P	P	H	H	P	P
Conductivity (µScm x 100)	40	24	19	19	36	27	38	40	34	30	19	29	31	77	23	26	30	36		28

Ditch Number	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680
Number of aquatic species	5	5	2	3	1	3	2	1	2	2	3	0	2	0	5	2	0	2	0	2
Number of emergent species	2	7	5	5	3	6	2	2	3	5	5	1	2	2	5	3	3	1	2	5
Number of bank species	2	2	2	1	1	1	1	1	1	1	1	0	3	1	1	3	0	2	2	2
Total number of species	9	14	9	9	5	10	5	4	6	8	9	1	7	3	11	8	3	5	4	9

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

South Thames Estuary & Marshes SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700
Azolla filiculoides				1					1											1
Callitriche obtusangula							1	1												
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum		1						1									1	1		
Chara sp																				
Elodea nuttallii																				
Enteromorpha sp†					1		1	1												
Filamentous algae†					1			1			1				1	1	1	1	1	
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna miniscula																				
Lemna minor					1		1	1									1	1		1
Lemna trisulca		1	1		1		1	1									1			1
Myriophyllum aquaticum																				
Myriophyllum spicatum	1			1			1													
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus							1	1									1	1		
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus circinatus																				
Ranunculus trichophyllus	1																			
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta																				
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris		1		1	1	1		1	1	1	1		1		1	1	1	1	1	
Equisetum fluviatile																				
Glyceria fluitans										1									1	
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa				1	1				1									1		1
Phragmites australis*		3	3				3					3	3	2			3			3
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Sagittaria sagittifolia																				
Scirpus lacustris						1														
Scirpus maritimus*	2	3	1	3	3	3		1		1	3		3	2	3	2		1	2	
Sparganium erectum	1				1															
Typha angustifolia									1				1							
Typha latifolia																				
Veronica catenata	1																			
Grass dom (Agro/Alop)†										1				1					1	
Atriplex hastata																				
Aster tripolium																				
Carex acuta																				
Carex divisa			1	1		1	1	1					1	1	1		1			
Carex otrubae			1		1		1									1				
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum																				
Eupatorium cannabinum																				
Galium palustre																				
Glaux maritima																				
Juncus effusus																				
Juncus inflexus	1	1		1	1		1	1	1	1		1			1	1	1		1	1
Juncus gerardii																				
Juncus maritima																				
Lycopus europaeus																				
Mentha aquatica																				
Myosotis cespitosa																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi																				
Scutellaria galericulata																				
Solanum dulcamara																				
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*																				
Ditch choked					1							1								
Ditch dry (N = near dry)			1		N	1				1	1	1		1	1	1			1	
Width (nearest metre)	6	3	3	4	2	3	3	4	4	3	3	2	4	2	3	3	4	4	3	3
Land use north / east	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		P	P	P
Land use south / west	P	P	P	P	P	P	P	P	P	P	P	P	H	P	P	P	P	P	P	P
Conductivity (µScm x 100)	22	44		27	68		47	38	26				34				22	33		16

Ditch Number	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700
Number of aquatic species	2	2	1	2	2	0	5	5	1	0	0	0	0	0	0	0	4	3	0	3
Number of emergent species	3	3	2	3	4	3	1	2	3	3	2	1	4	2	2	2	2	3	3	2
Number of bank species	1	1	2	2	2	1	3	2	1	1	0	1	1	1	2	2	2	0	1	1
Total number of species	6	6	5	7	8	4	9	9	5	4	2	2	5	3	4	4	8	6.	4	6

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720
Azolla filiculoides		1					1													
Callitriche obtusangula											1				1			1		
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum													1				1			
Chara sp																				
Elodea nuttallii																				
Enteromorpha sp†																				
Filamentous algae†	1				1			1			1		1				1			
Hydrocharis morsus-ranae																				
Lemna gibba														1						
Lemna miniscula																				
Lemna minor		1										1	1	1		1	1	1		
Lemna trisulca		1					1					1		1						
Myriophyllum aquaticum																				
Myriophyllum spicatum				1													1			
Nymphaea alba																				
Potamogeton crispus																	1			
Potamogeton pectinatus				1										1			1			
Potamogeton pusillus/berchtoldii																	1			
Ranunculus baudotii														1	1					
Ranunculus circinatus																				
Ranunculus trichophyllus										1										
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																				
Alisma plantago-aquatica				1										1		1	1			
Apium nodiflorum															1					
Berula erecta												1				1	1		1	
Butomus umbellatus																				
Carex riparia												1								
Eleocharis palustris	1	1			1		1	1	1	1	1				1	1	1			
Equisetum fluviatile												1								
Glyceria fluitans			1			1					1									1
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																	1			
Oenanthe aquatica																				
Oenanthe fistulosa		1					1				1									
Phragmites australis*		3			3		3	2				3	1	1				1	1	
Ranunculus sceleratus												1				1	1			
Rumex hydrolapathum																				
Sagittaria sagittifolia																				
Scirpus lacustris										1	1									
Scirpus maritimus*	2			2	2	1	1	2	3	2		3	3	2	2	2	1			3
Sparganium erectum				1												1	1			
Typha angustifolia							1			1										
Typha latifolia												1		1		1				
Veronica catenata				1						1					1		1			
Grass dom (Agro/Alop)†			1			1														1
Atriplex hastata																				
Aster tripolium																				
Carex acuta																				
Carex divisa	1					1	1		1											1
Carex otrubae							1	1								1		1		
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum										1		1		1						
Eupatorium cannabinum																				
Galium palustre												1								
Glaux maritima																				
Juncus effusus																				
Juncus inflexus		1	1		1		1	1		1		1		1		1	1			
Juncus gerardii																				
Juncus maritima																				
Lycopus europaeus				1								1		1		1		1		
Mentha aquatica												1								
Myosotis cespitosa										1		1								
Oenanthe lachenalii														1						
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi																				
Scutellaria galericulata																				
Solanum dulcamara												1		1						
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*													2					3	3	
Ditch choked																				
Ditch dry (N = near dry)	1		1		1	1		1	1		1				1	1			1	1
Width (nearest metre)	3	4	3	6	4	2	4	3	5	8	4	20	6	6	3	5	3	2	4	2
Land use north / east	P	P	H	U	P	P	P	P	P		P	P	P	P	P	P	P	P	A	P
Land use south / west	P	P	H	P	P	P	H	P	P	P	P	U	P	A	P	P	P		P	P
Conductivity (μScm x 100)		20		24			33			24		14	17	19			18	9		

Ditch Number	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720
Number of aquatic species	0	3	0	2	0	0	2	0	0	1	1	2	2	5	2	1	6	2	0	0
Number of emergent species	2	3	1	4	3	2	5	3	2	5	4	7	2	4	4	7	8	1	2	2
Number of bank species	1	1	1	1	1	1	3	2	1	3	0	7	0	5	0	3	1	2	0	1
Total number of species	3	7	2	7	4	3	10	5	3	9	5	16	4	14	6	11	15	5	2	3

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

South Thames Estuary & Marshes SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740
Azolla filiculoides								1								1				
Callitriche obtusangula																				
Callitriche stagnalis/spp																				
Ceratophyllum demersum																1				
Ceratophyllum submersum	1																			
Chara sp																				
Elodea nuttallii																				1
Enteromorpha sp†	1																			
Filamentous algae†	1																			
Hydrocharis morsus-ranae																1				1
Lemna gibba							1													
Lemna miniscula							1				1		1			1				1
Lemna minor	1															1				1
Lemna trisulca	1																			
Myriophyllum aquaticum																				
Myriophyllum spicatum																				
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus																				
Potamogeton pusillus/berchtoldii									1											
Ranunculus baudotii																				
Ranunculus circinatus										1										
Ranunculus trichophyllus																				
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																1				
Alisma plantago-aquatica	1															1				
Apium nodiflorum			1				1	1												
Berula erecta	1																			
Butomus umbellatus																				
Carex riparia										1			1			1				
Eleocharis palustris	1																			
Equisetum fluviatile											1									
Glyceria fluitans			1		1	1	1													
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																1				
Juncus articulatus							1	1					1			1				
Nasturtium officinale agg																				
Oenanthe aquatica										1										
Oenanthe fistulosa												3			3		3		2	
Phragmites australis*			1							1						1				
Ranunculus sceleratus	1																			
Rumex hydrolapathum																				
Sagittaria sagittifolia																				
Scirpus lacustris							1	3	2	2	1	3	2	3		1	2	3	2	3
Scirpus maritimus*	3	3	1	3									1							
Sparganium erectum	1							1					1							
Typha angustifolia																				
Typha latifolia																				
Veronica catenata											1									
Grass dom (Agro/Alop)†			1		1				1	1							1		1	
Atriplex hastata																				
Aster tripolium																				
Carex acuta									1											
Carex divisa										1			1							1
Carex otrubae	1				1					1										
Chenopodium chenopodioides																				
Crassula helmsii						1														
Epilobium hirsutum																				
Eupatorium cannabinum																				
Galium palustre							1													
Glaux maritima																				
Juncus effusus													1	1		1				1
Juncus inflexus	1		1			1	1		1					1					1	
Juncus gerardii																				
Juncus maritima													1							
Lycopus europaeus																				
Mentha aquatica																				
Myosotis cespitosa																				
Oenanthe lachenalii												1			1					
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi																				
Scutellaria galericulata													1							
Solanum dulcamara																				
Spergularia marina																				
Spergularia media																				
Triglochin palustre															1					
Scrub cover*		1	2		3	3														
Ditch choked							1													
Ditch dry (N = near dry)		1	1	1	1	1		1	1	1	1	1		1			1	1	1	
Width (nearest metre)	4	2	2	2	3	2	4	4	3	3	3	2	6	3	10	2	3	1	3	4
Land use north / east	P	P	P	P	A	P	P	P	P	P	P	H	P	P	U	P	P		P	P
Land use south / west	P	P		P	P		P	P	P	P	P	H	U	P	P	P	P	H	P	P
Conductivity (µScm x 100)	16						15						11			18				14

Ditch Number	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740
Number of aquatic species	3	0	0	0	0	0	2	1	1	1	1	0	1	0	0	5	0	0	0	3
Number of emergent species	6	1	4	1	1	1	4	4	1	4	2	2	5	1	1	7	2	1	2	1
Number of bank species	2	0	1	0	1	2	2	0	3	3	0	1	4	2	1	1	1	0	2	2
Total number of species	11	1	5	1	2	3	8	5	5	8	3	3	10	3	2	13	3	1	4	6

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

South Thames Estuary & Marshes SSSI

Ditch survey data (20m sample sections)

English Nature 1995

Ditch number	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760
Azolla filiculoides																				
Callitriche obtusangula	1																			
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum				1	1			1												
Chara sp																				
Elodea nuttallii																				
Enteromorpha sp†																				
Filamentous algae†								1												
Hydrocharis morsus-ranae																				
Lemna gibba	1			1	1			1							1					1
Lemna miniscula																				
Lemna minor	1			1	1			1							1					1
Lemna trisulca	1			1	1			1							1					1
Myriophyllum aquaticum																				
Myriophyllum spicatum																				
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus																				
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus circinatus																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																				
Alisma plantago-aquatica					1															
Apium nodiflorum				1	1		1													
Berula erecta																				
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris	1			1	1															
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg	1				1															
Oenanthe aquatica																				
Oenanthe fistulosa	1			1		1														
Phragmites australis*						3														
Ranunculus sceleratus								1												
Rumex hydrolapathum																				
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*	3	3	1	3	3	2	1	3	3	3	3	2	3		3	2	3	3	3	2
Sparganium erectum												1								
Typha angustifolia																				
Typha latifolia					1															
Veronica catenata																				
Grass dom (Agro/Alop)†			1				1				1		1	1		1	1		1	
Atriplex hastata							1		1	1			1			1				1
Aster tripolium																				
Carex acuta												1							1	
Carex divisa																				
Carex otrubae								1												1
Chenopodium chenopodioides		1																		
Crassula helmsii																				
Epilobium hirsutum																				
Eupatorium cannabinum																				
Galium palustre																				
Glaux maritima						1														
Juncus effusus																				
Juncus inflexus	1					1		1				1	1							
Juncus gerardii	1					1				1										
Juncus maritima						1														
Lycopus europaeus																				
Mentha aquatica																				
Myosotis cespitosa																				
Oenanthe lachenalii																				1
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi																				
Scutellaria galericulata																				
Solanum dulcamara									1											
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*			3											3						
Ditch choked									1											
Ditch dry (N = near dry)		1	1				1		1	1	1	1	1	1		1	1	1	1	
Width (nearest metre)	2	2	4	3	4	3	2	3	4	2	3	5	3	4	4	2	2	2	1	3
Land use north / east	P	H	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Land use south / west	P	H	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
Conductivity (µScm x 100)	26			27	17	98		22							23					32

Ditch Number	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760
Number of aquatic species	4	0	0	4	4	0	0	4	0	0	0	0	0	0	3	0	0	0	0	3
Number of emergent species	4	1	1	4	6	3	2	2	1	1	1	2	1	0	1	1	1	1	1	1
Number of bank species	2	1	0	0	0	4	1	2	2	2	0	2	2	0	0	1	0	0	1	3
Total number of species	10	2	1	8	10	7	3	8	3	3	1	4	3	0	4	2	1	1	2	7

† Excluded from totals

D = dominant

* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%

Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

South Thames Estuary & Marshes SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780
Azolla filiculoides																				
Callitriche obtusangula						1						1							1	
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum																				
Chara sp																				
Elodea nuttallii																				
Enteromorpha sp†																			1	
Filamentous algae†	1																		1	
Hydrocharis morsus-ranae																				
Lemna gibba		1																		
Lemna miniscula		1																		
Lemna minor		1				1		1												
Lemna trisulca								1												
Myriophyllum aquaticum																				
Myriophyllum spicatum																				
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus	1																			1
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii							1				1									
Ranunculus circinatus																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris							1				1									
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta																				
Butomus umbellatus																				1
Carex riparia																				
Eleocharis palustris																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa																				
Phragmites australis*		3			1	3													1	
Ranunculus sceleratus		1				1														
Rumex hydrolapathum																				
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*	2	3	3	3	3	2	2	3	3	3	3	3	3	3	3	3	1	3	3	1
Sparganium erectum																				
Typha angustifolia																				
Typha latifolia																			1	
Veronica catenata																				
Grass dom (Agro/Alop)†			1						1						1		1			
Atriplex hastata				1		1			1	1		1	1	1				1		1
Aster tripolium																				
Carex acuta																				
Carex divisa									1											
Carex otrubae						1														
Chenopodium chenopodioides																		1	1	
Crassula helmsii																				
Epilobium hirsutum																				
Eupatorium cannabinum																				
Galium palustre																				
Glaux maritima																				
Juncus effusus																				
Juncus inflexus							1								1					
Juncus gerardii															1			1	1	1
Juncus maritima							1		1											
Lycopus europaeus		1				1														
Mentha aquatica																				
Myosotis cespitosa																				
Oenanthe lachenalii																				
Polypogon monspeliensis									1			1								
Pulicaria dysenterica																				
Salicornia sp																		1		
Samolus valerandi																				
Scutellaria galericulata																				
Solanum dulcamara																				
Spergularia marina																				
Spergularia media																		1		
Triglochin palustre																				
Scrub cover*																				
Ditch choked				1	1						1		1	1		1		1	1	
Ditch dry (N = near dry)			1	1	1				1	1		1	1	1	N	1	1	1		1
Width (nearest metre)	3	4	3	3	4		3	1	1	3	3	1	4	3	3	4	2	5	7	5
Land use north / east	P	P	P	P	P	P	P		P	P	P	P	P	P	P	P	P	P	P	P
Land use south / west	P	P	P	P	P		P	P	P	P	P	P	P	P	P	P	P	P	P	P
Conductivity (µScm x 100)	72	16				19	65	25			61				118					

Ditch Number	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780
Number of aquatic species	1	3	0	0	0	2	2	2	0	0	2	1	0	0	0	0	0	0	1	1
Number of emergent species	1	3	1	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	3	2
Number of bank species	0	1	0	1	0	3	2	0	4	1	0	2	1	1	2	0	0	5	2	2
Total number of species	2	7	1	2	2	8	5	3	5	2	3	4	2	2	3	1	1	6	6	5

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

South Thames Estuary & Marshes SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800
Azolla filiculoides																				
Callitriche obtusangula													1	1						
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum									1									1		1
Chara sp																				
Elodea nuttallii																				
Enteromorpha sp†										1								1		
Filamentous algae†														1	1			1		
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna miniscula																				
Lemna minor							1											1		
Lemna trisulca																				
Myriophyllum aquaticum																				
Myriophyllum spicatum																				
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus			1						1	1					1				1	
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii			1						1											1
Ranunculus circinatus																				
Ranunculus trichophyllus																			1	
Ranunculus seedling													1			1				
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta																				
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa																				
Phragmites australis*				1				1												
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*	3	3	3	1	3	3	3	3	3	2	3	2	3	3	2	3	3	3	1	3
Sparganium erectum																				
Typha angustifolia																				
Typha latifolia																				
Veronica catenata																				
Grass dom (Agro/Alop)†						1					1			1						
Atriplex hastata	1			1			1	1		1		1			1		1	1	1	1
Aster tripolium																				
Carex acuta																				
Carex divisa																				
Carex otrubae																				
Chenopodium chenopodioides						1					1						1			
Crassula helmsii																				
Epilobium hirsutum																				
Eupatorium cannabinum																				
Galium palustre																				
Glaux maritima																				1
Juncus effusus																				
Juncus inflexus				1		1														
Juncus gerardii			1							1					1					
Juncus maritima			1						1											
Lycopus europaeus																				
Mentha aquatica																				
Myosotis cespitosa																				
Oenanthe lachenalii																				
Polypogon monspeliensis				1		1		1		1										
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi																				
Scutellaria galericulata																				
Solanum dulcamara																				
Spergularia marina																				
Spergularia media																				
Triglochin palustre																				
Scrub cover*																				
Ditch choked	1	1			1									1						
Ditch dry (N = near dry)	1			1		1		1			1	1	1		N	1				
Width (nearest metre)	1	1	6	1	1	20	4	3	2	15	15	2	1	2	3	3	4	3	6	4
Land use north / east	P	P	P	P	P	P	U	P	P	P	P	P	P	P	P	P	P	P	P	P
Land use south / west	P	P	P	P	P	P	U	P	P	P	P	P	P	P	P	P	P	P	P	P
Conductivity (µScm x 100)		74	103		97		51		74	64				77	82		95	90	95	77

Ditch Number	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800
Number of aquatic species	0	0	2	0	0	0	1	0	3	1	0	0	2	1	1	1	0	2	2	2
Number of emergent species	1	1	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
Number of bank species	1	0	2	3	0	3	1	2	1	3	1	1	0	0	2	0	2	1	1	2
Total number of species	2	1	5	5	1	4	3	4	5	5	2	2	3	2	4	2	3	4	4	5

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

South Thames Estuary & Marshes SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820
Azolla filiculoides																				
Callitriche obtusangula																				
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum																				
Chara sp																				
Elodea nuttallii																				
Enteromorpha sp†																				
Filamentous algae†			1				1	1				1	1	D	D		D		1	D
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna miniscula																				
Lemna minor																1				1
Lemna trisulca																				1
Myriophyllum aquaticum																				
Myriophyllum spicatum																			1	
Nymphaea alba																				
Potamogeton crispus																				
Potamogeton pectinatus			1					1				1	1						1	
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus circinatus																				
Ranunculus trichophyllus																				
Ranunculus seedling					1											1	1	1		1
Riccia fluitans																				
Stratiotes aloides																				
Zannichellia palustris													1							
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta																				
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa																				
Phragmites australis*																				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Sagittaria sagittifolia																				
Scirpus lacustris																				
Scirpus maritimus*	3	2	2	3	2	2	3	3	2	3	3	2	2	3	2	3	3	3	2	2
Sparganium erectum																				
Typha angustifolia																				
Typha latifolia																				
Veronica catenata																				
Grass dom (Agro/Alop)†											1									
Atriplex hastata	1						1	1							1		1			
Aster tripolium																				
Carex acuta																				
Carex divisa																				
Carex otrubae																				
Chenopodium chenopodioides																				
Crassula helmsii																				
Epilobium hirsutum																				
Eupatorium cannabinum																				
Galium palustre																				
Glaux maritima														1					1	
Juncus effusus																				
Juncus inflexus																				
Juncus gerardii		1					1	1		1			1	1						1
Juncus maritima	1						1	1			1									
Lycopus europaeus																				
Mentha aquatica																				
Myosotis cespitosa																				
Oenanthe lachenalii																				
Polypogon monspeliensis										1									1	
Pulicaria dysenterica																				
Salicornia sp																				
Samolus valerandi																				
Scutellaria galericulata																				
Solanum dulcamara																				
Spergularia marina			1																	
Spergularia media																				
Triglochin palustre																				
Scrub cover*																				
Ditch choked										1										
Ditch dry (N = near dry)	1	1			1	1			1	1				N	N	1	N	1		
Width (nearest metre)	3	1	25	4	2	2	4	4	2	4	3	30	3	3	3	3	3	3	15	3
Land use north / east	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Land use south / west	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Conductivity (µScm x 100)			45	90			118	90			98	50	95	99	130		110		63	58

Ditch Number	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820
Number of aquatic species	0	0	1	0	1	0	0	1	0	0	0	1	2	0	0	2	1	1	2	3
Number of emergent species	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Number of bank species	2	1	1	0	0	0	3	3	0	2	1	0	1	2	1	0	1	0	2	1
Total number of species	3	2	3	1	2	1	4	5	1	3	2	2	4	3	2	3	3	2	5	5

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

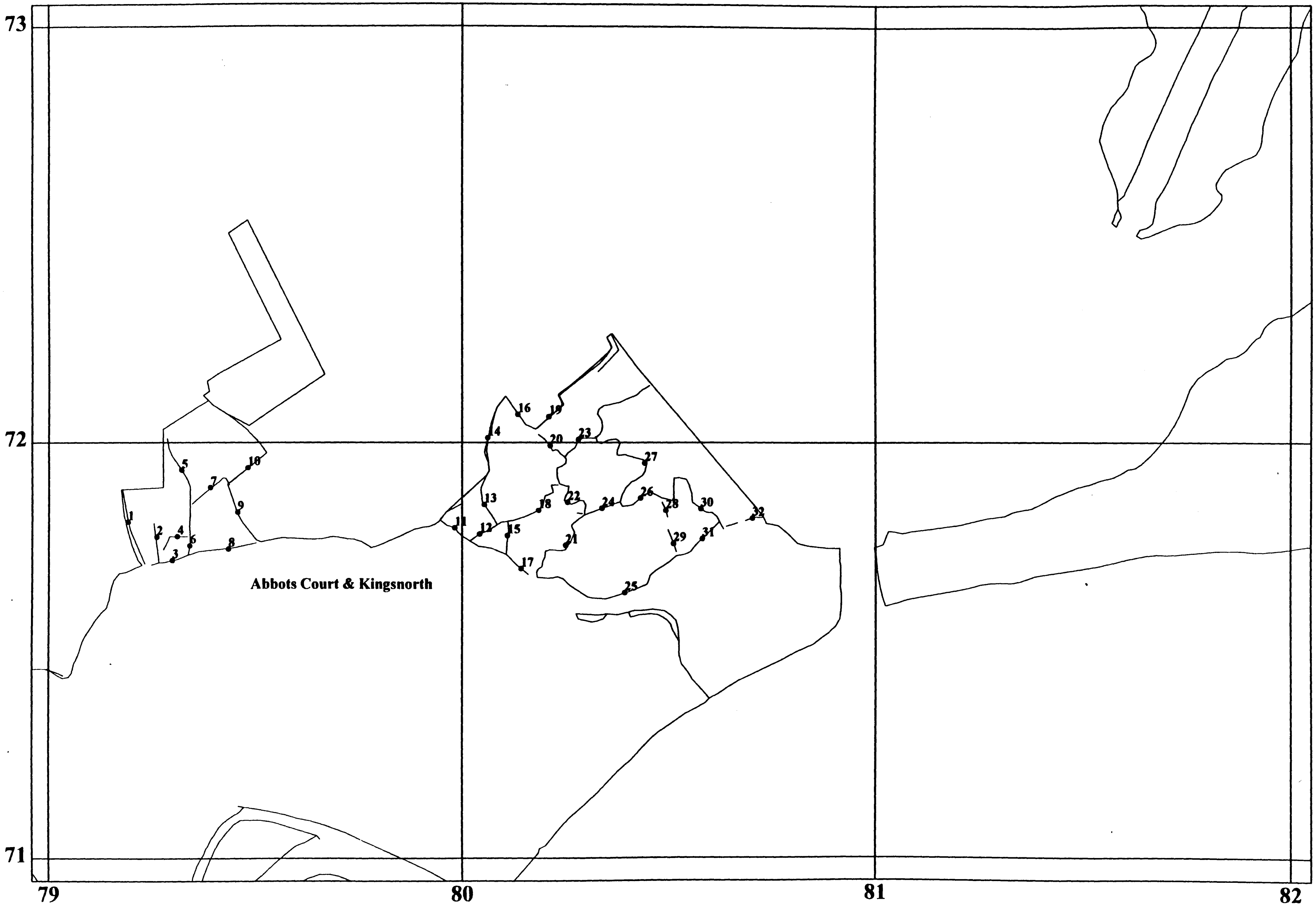
South Thames Estuary & Marshes SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	821	822	823	824	825	826	827	828	829	830	831	832	Total	%
Azolla filiculoides													68	8.2
Callitriche obtusangula													183	22.0
Callitriche stagnalis/spp													5	0.6
Ceratophyllum demersum													26	3.1
Ceratophyllum submersum			1		1					1	1		258	31.0
Chara sp													1	0.1
Elodea nuttallii													47	5.6
Enteromorpha sp†					1			1					83	10.0
Filamentous algae†	1	1	1	1	1	1	1	1	1	1	1	1	291	35.0
Hydrocharis morsus-ranae													23	2.8
Lemna gibba													136	16.3
Lemna miniscula													19	2.3
Lemna minor	1												355	42.7
Lemna trisulca	1										1		394	47.4
Myriophyllum aquaticum													1	0.1
Myriophyllum spicatum									1				46	5.5
Nymphaea alba													2	0.2
Potamogeton crispus													17	2.0
Potamogeton pectinatus	1	1	1	1	1		1		1		1		181	21.8
Potamogeton pusillus/berchtoldii													20	2.4
Ranunculus baudotii													109	13.1
Ranunculus circinatus													1	0.1
Ranunculus trichophyllus		1											77	9.3
Ranunculus seedling			1		1								15	1.8
Riccia fluitans													3	0.4
Stratiotes aloides													2	0.2
Zannichellia palustris		1	1		1								16	1.9
Alisma plantago-aquatica													53	6.4
Apium nodiflorum													22	2.6
Berula erecta													237	28.5
Butomus umbellatus													8	1.0
Carex riparia													8	1.0
Eleocharis palustris													317	38.1
Equisetum fluviatile													2	0.2
Glyceria fluitans													84	10.1
Glyceria maxima													5	0.6
Hippuris vulgaris													16	1.9
Iris pseudacorus													2	0.2
Juncus articulatus													1	0.1
Nasturtium officinale agg													141	16.9
Oenanthe aquatica													2	0.2
Oenanthe fistulosa													160	19.2
Phragmites australis*													175	21.0
Ranunculus sceleratus													86	10.3
Rumex hydrolapathum													35	4.2
Sagittaria sagittifolia													1	0.1
Scirpus lacustris													10	1.2
Scirpus maritimus*	2	3	3	3	2	3	3	3	3	3	3	3	597	71.8
Sparganium erectum													98	11.8
Typha angustifolia													49	5.9
Typha latifolia													24	2.9
Veronica catenata													32	3.8
Grass dom (Agro/Alop)†													37	4.4
Atriplex hastata	1	1					1	1					97	11.7
Aster tripolium													1	0.1
Carex acuta													2	0.2
Carex divisa						1					1		238	28.6
Carex otrubae													253	30.4
Chenopodium chenopodioides													12	1.4
Crassula helmsii													3	0.4
Epilobium hirsutum													27	3.2
Eupatorium cannabinum													1	0.1
Galium palustre													34	4.1
Glaux maritima													5	0.6
Juncus effusus													22	2.6
Juncus inflexus													346	41.6
Juncus gerardii		1	1		1		1						53	6.4
Juncus maritima								1		1			16	1.9
Lycopus europaeus													46	5.5
Mentha aquatica													3	0.4
Myosotis cespitosa													32	3.8
Oenanthe lachenalii						1					1		21	2.5
Polypogon monspeliensis				1						1			14	1.7
Pulicaria dysenterica													3	0.4
Salicornia sp													1	0.1
Samolus valerandi													16	1.9
Scutellaria galericulata													9	1.1
Solanum dulcamara													96	11.5
Spergularia marina													3	0.4
Spergularia media													1	0.1
Triglochin palustre													5	0.6
Scrub cover*													184	22.1
Ditch choked													113	13.6
Ditch dry (N = near dry)						N							208	25.0
Width (nearest metre)	4	3	2	2	4	2	3	3	3	3	2	3		
Land use north / east	P	P	P	P	P	H	P	H	P	H	P	H		
Land use south / west	P	P	P	P	P	H	P	H	P	H	P	H		
Conductivity (µScm x 100)	67	94	97	75	90	82	92	82	78	103	80	66		

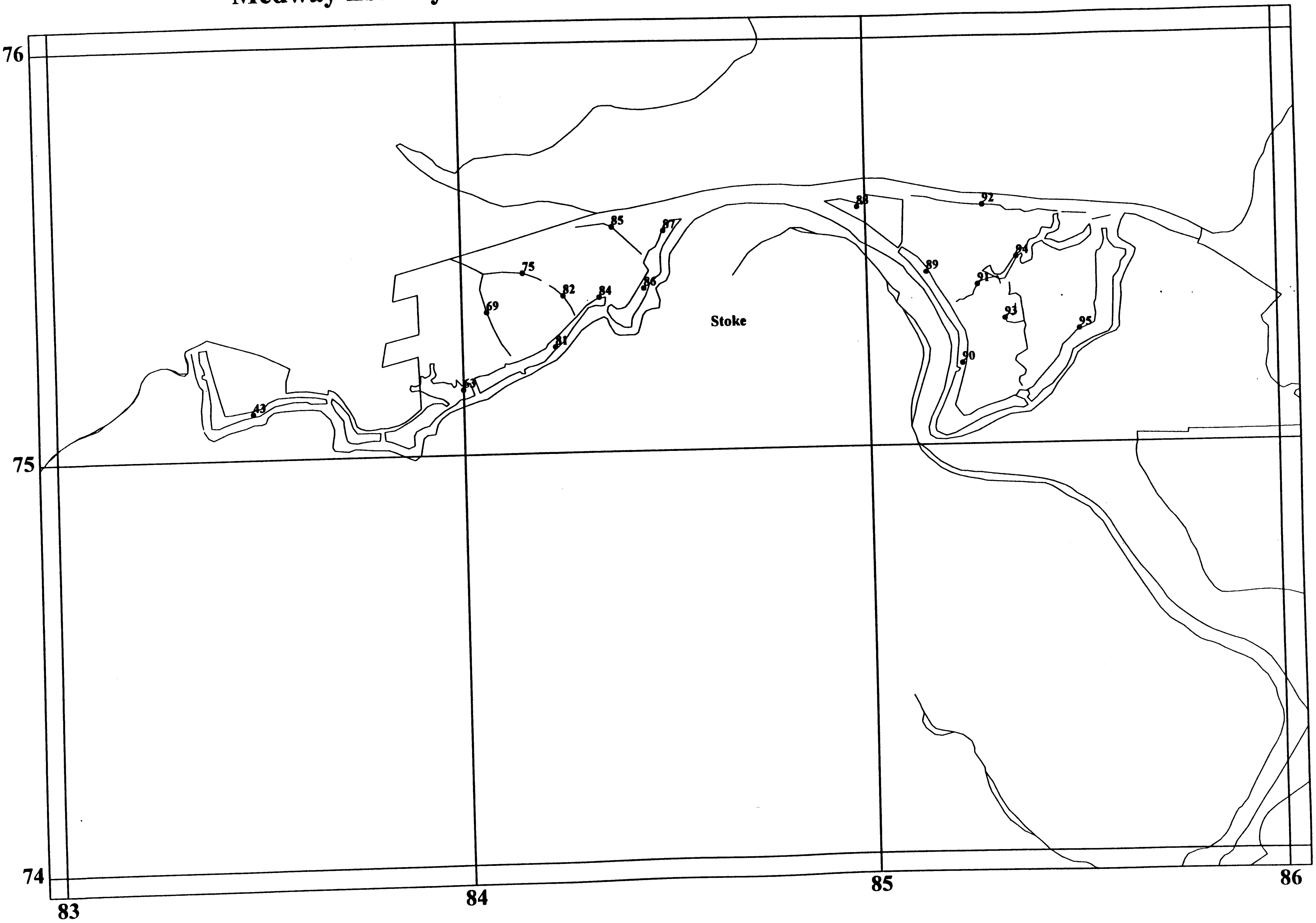
Ditch Number	821	822	823	824	825	826	827	828	829	830	831	832	Total	Average
Number of aquatic species	3	3	4	1	4	0	1	0	2	1	3	0	25	2.4
Number of emergent species	1	1	1	1	1	1	1	1	1	1	1	1	25	2.6
Number of bank species	1	2	1	1	1	2	2	2	0	2	2	0	28	1.6
Total number of species	5	6	6	3	6	3	4	3	3	4	6	1	78	6.6

† Excluded from totals
D = dominant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

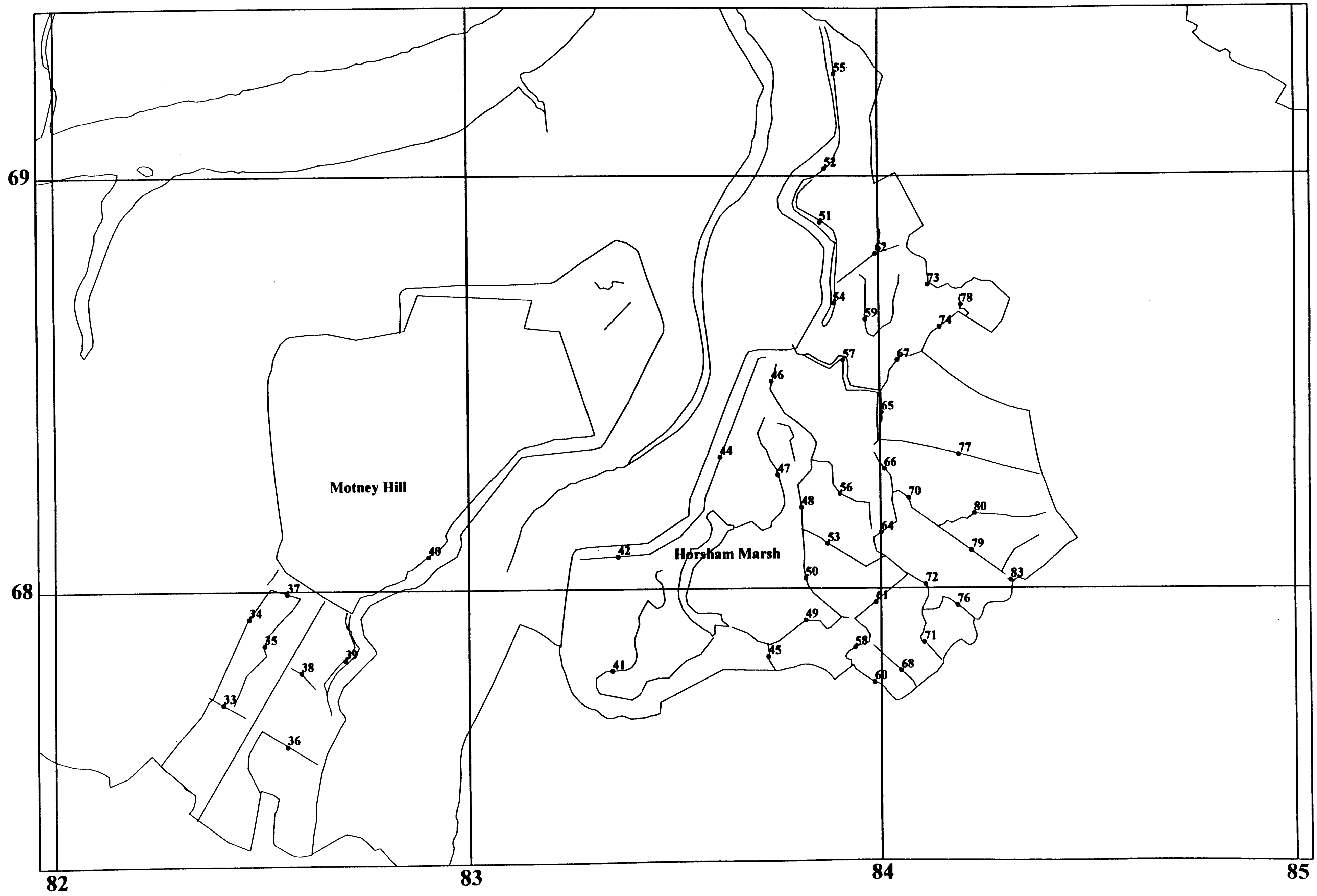
Medway Estuary & Marshes SSSI - Ditch Numbering (East to West)



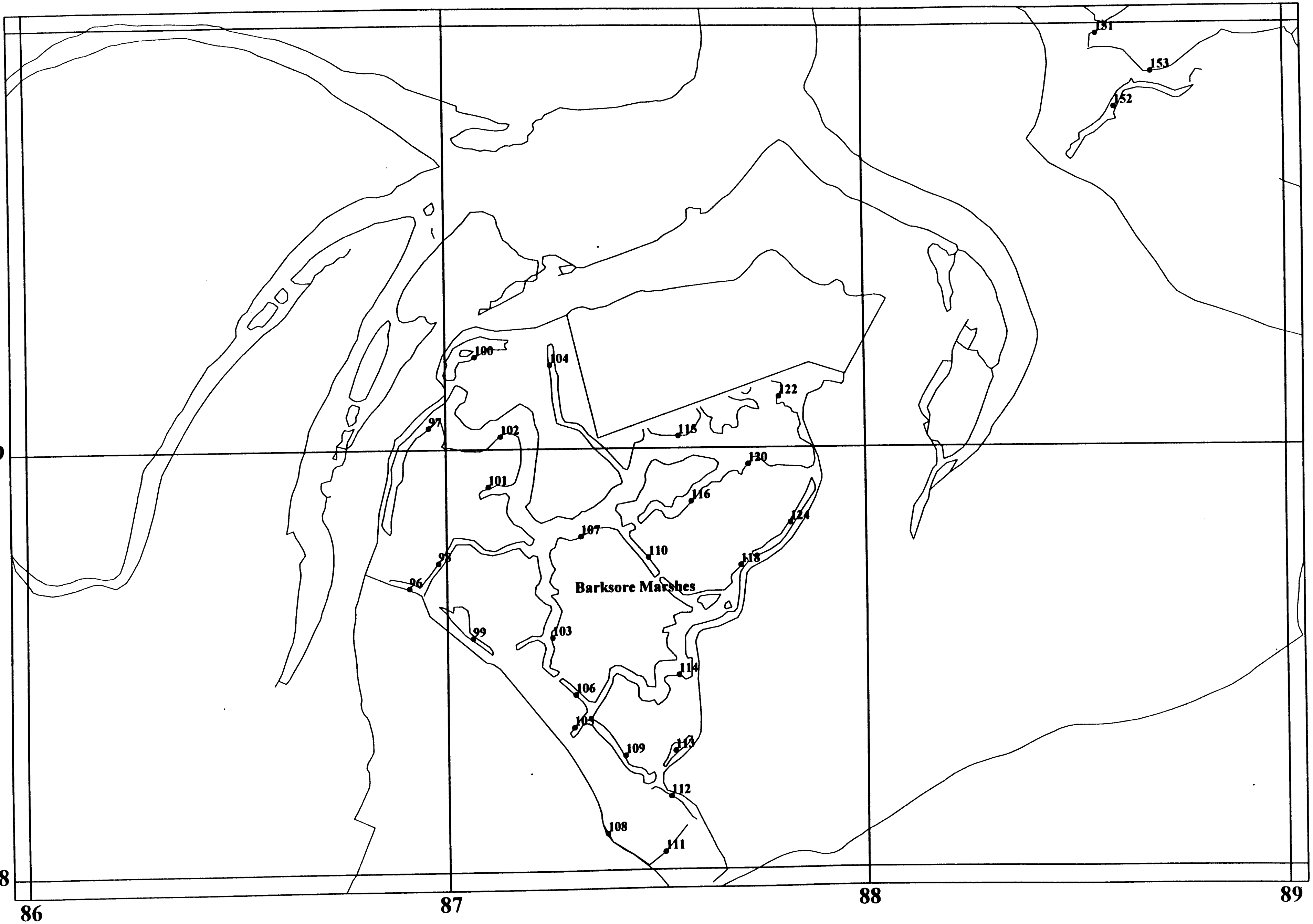
Medway Estuary & Marshes SSSI - Ditch Numbering (East to West)



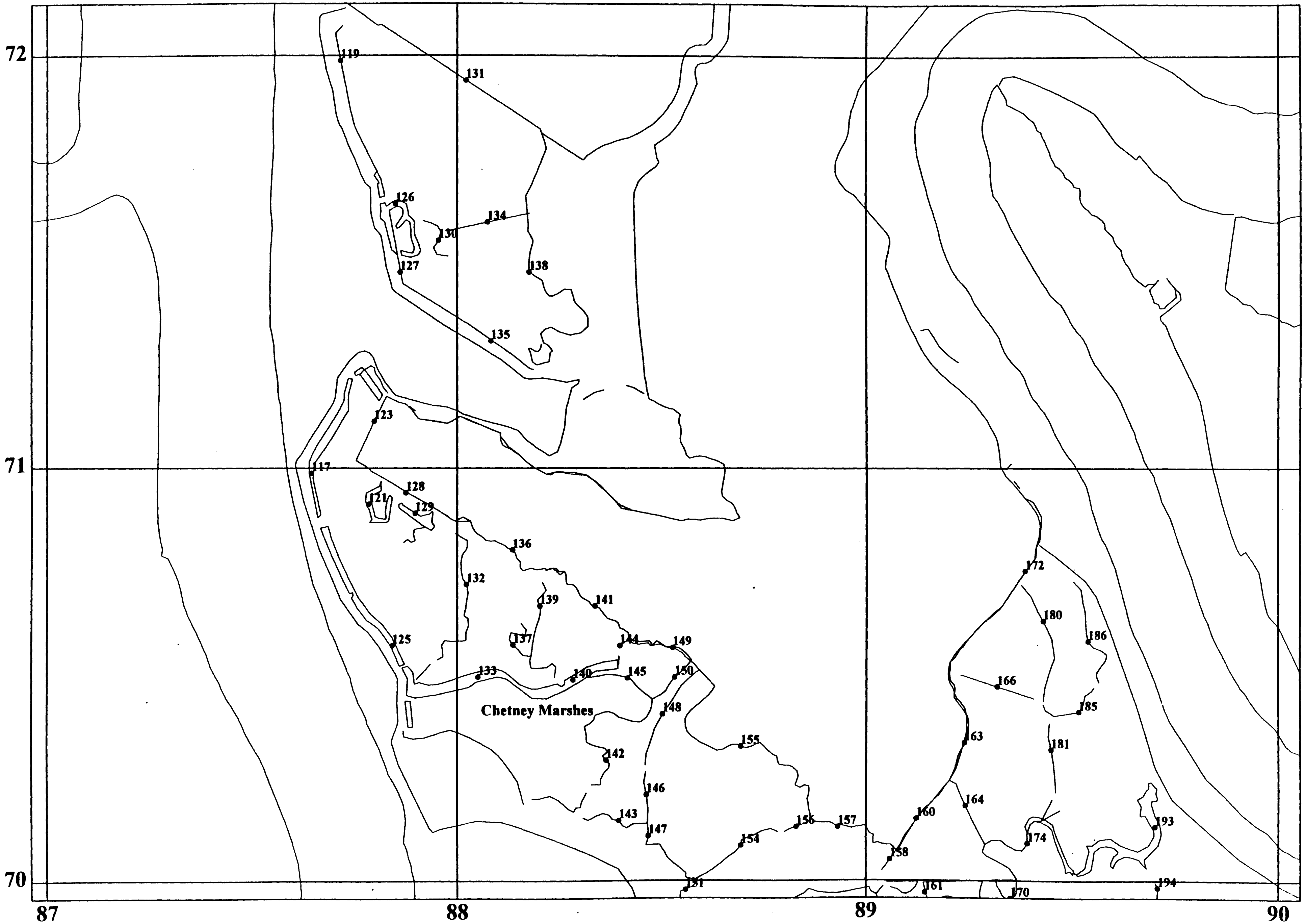
Medway Estuary & Marshes SSSI - Ditch Numbering (East to West)



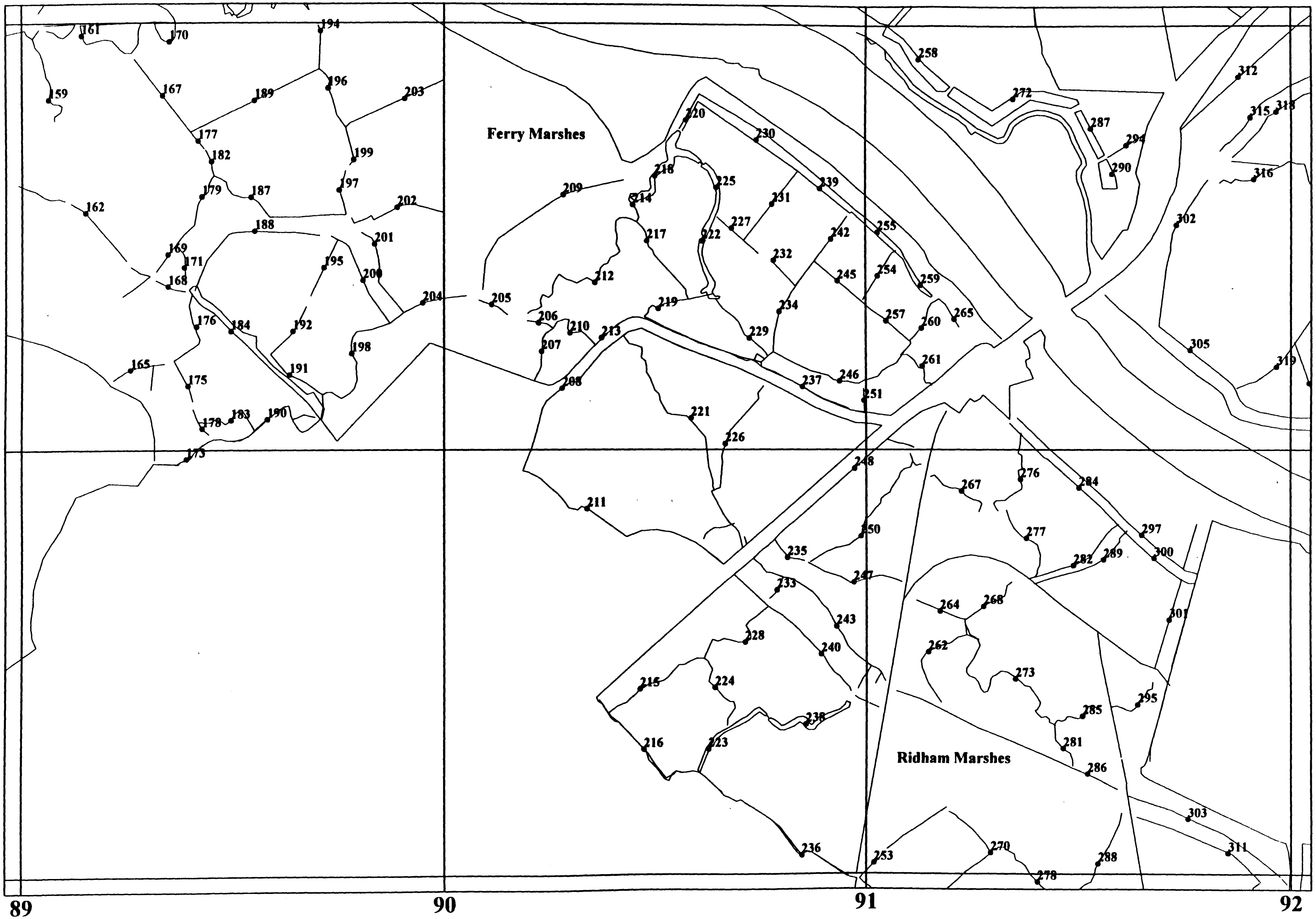
Medway Estuary & Marshes SSSI - Ditch Numbering (East to West)



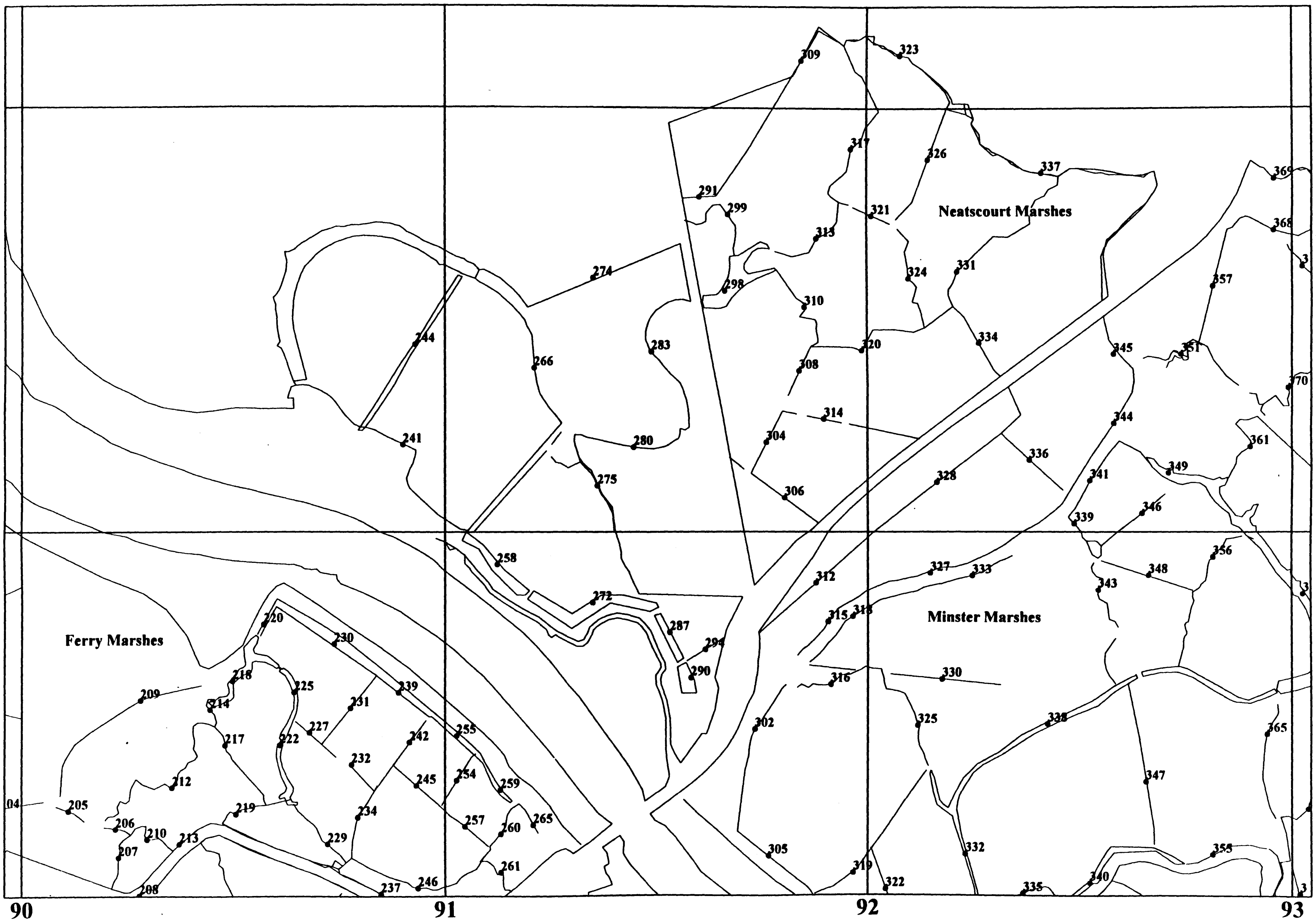
Medway Estuary & Marshes SSSI - Ditch Numbering (East to West)



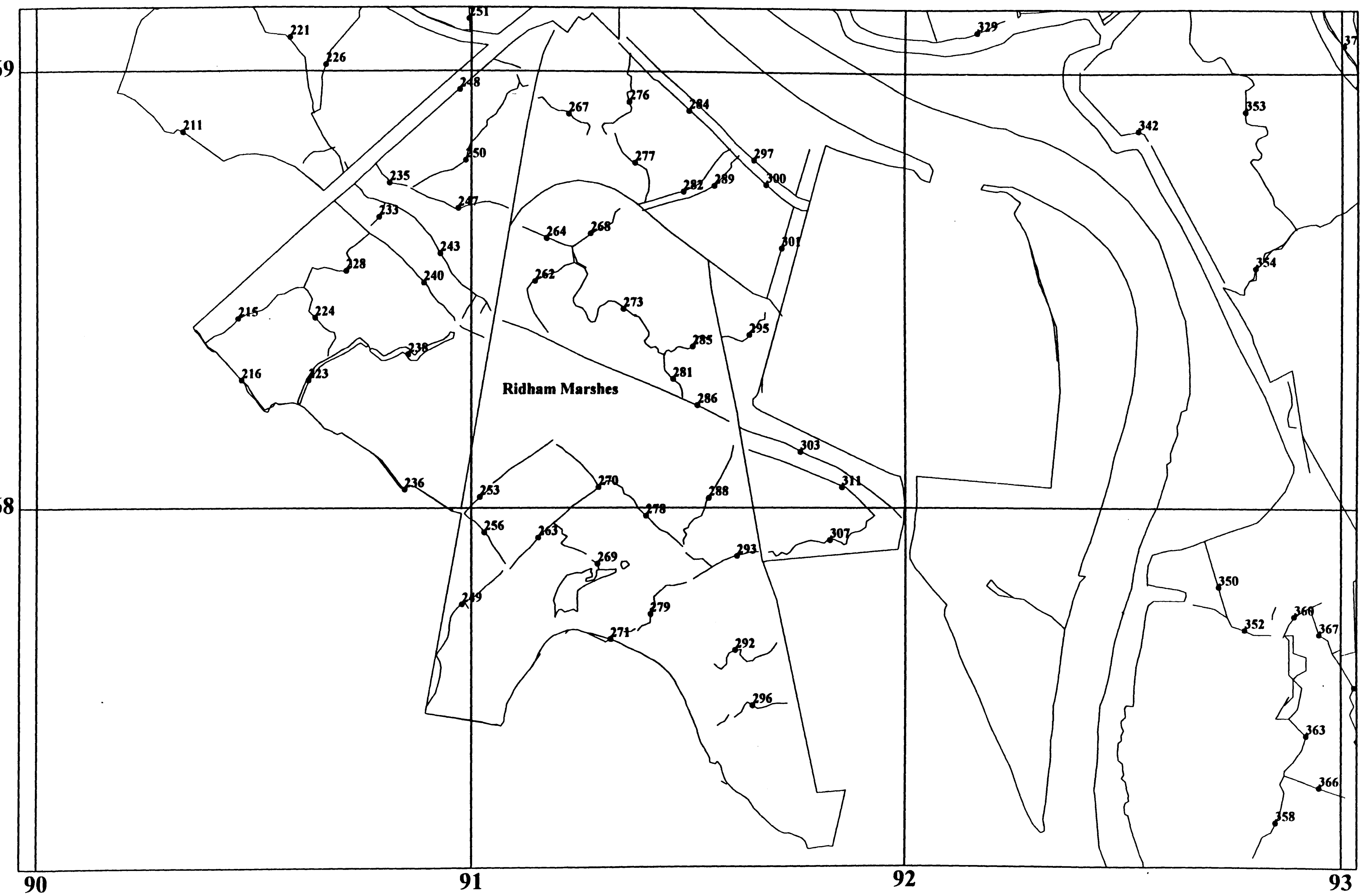
Medway Estuary & Marshes SSSI - Ditch Numbering (East to West)



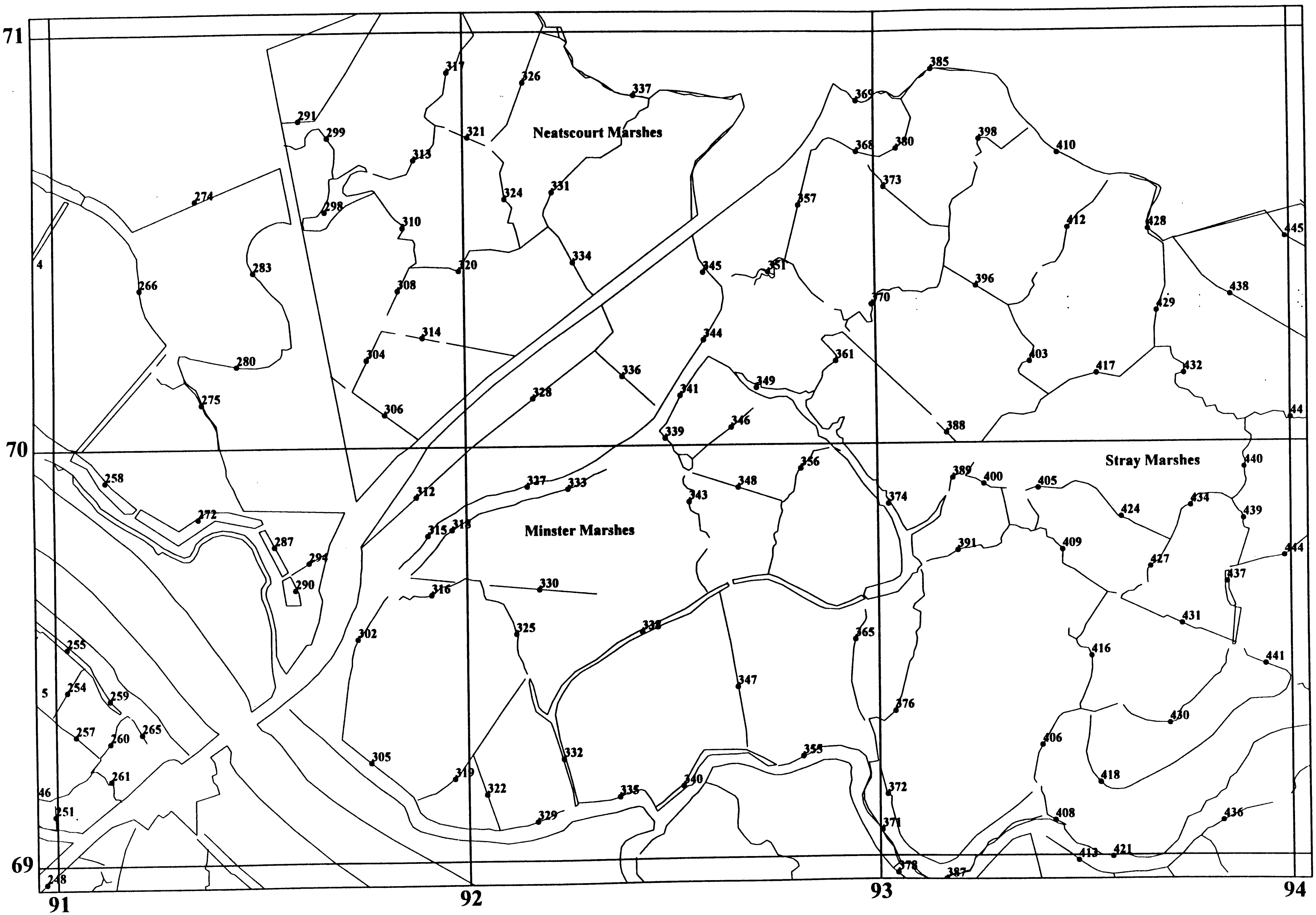
Medway Estuary & Marshes SSSI - Ditch Numbering (East to West)



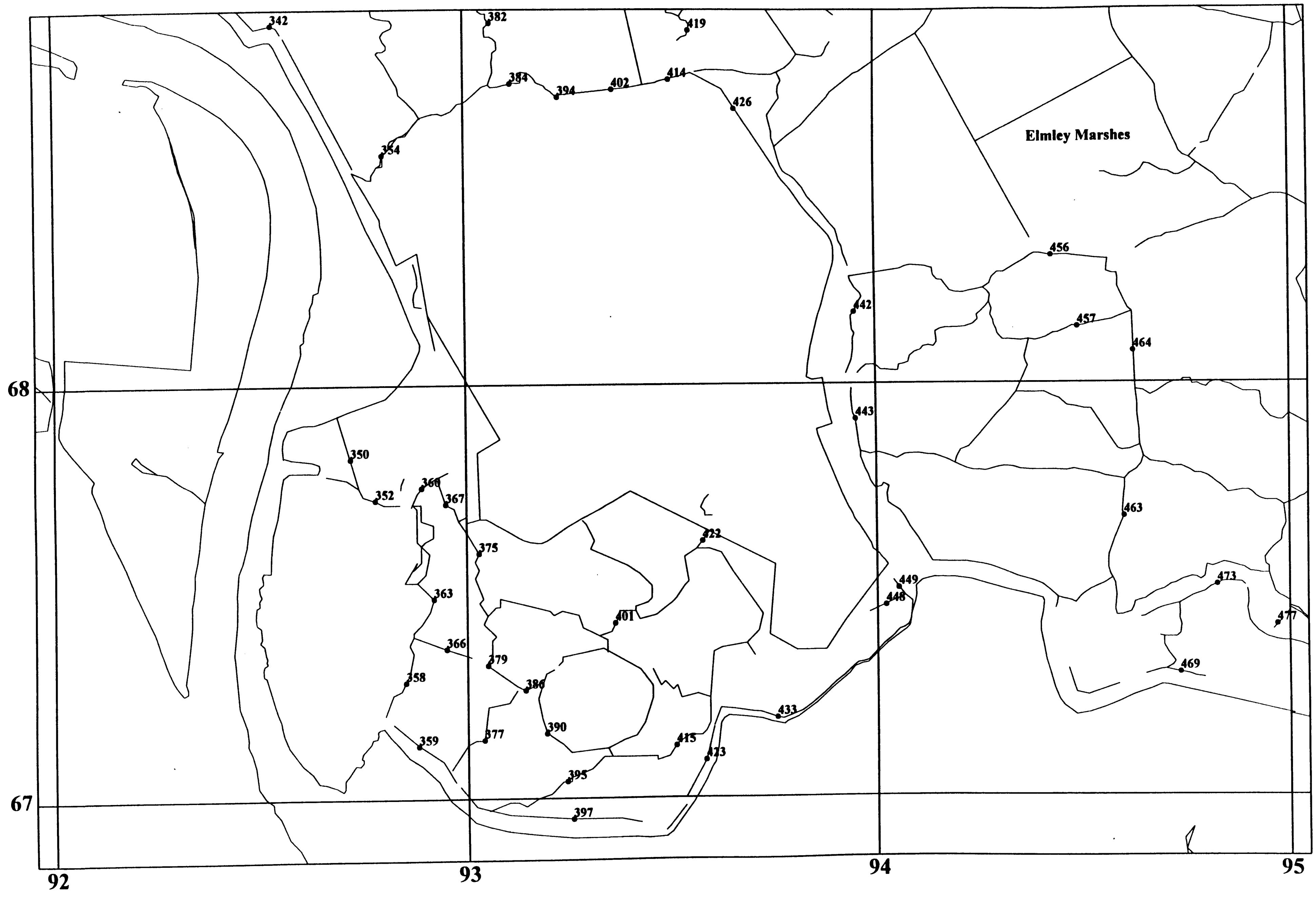
The Swale SSSI - Ditch Numbering (East to West)



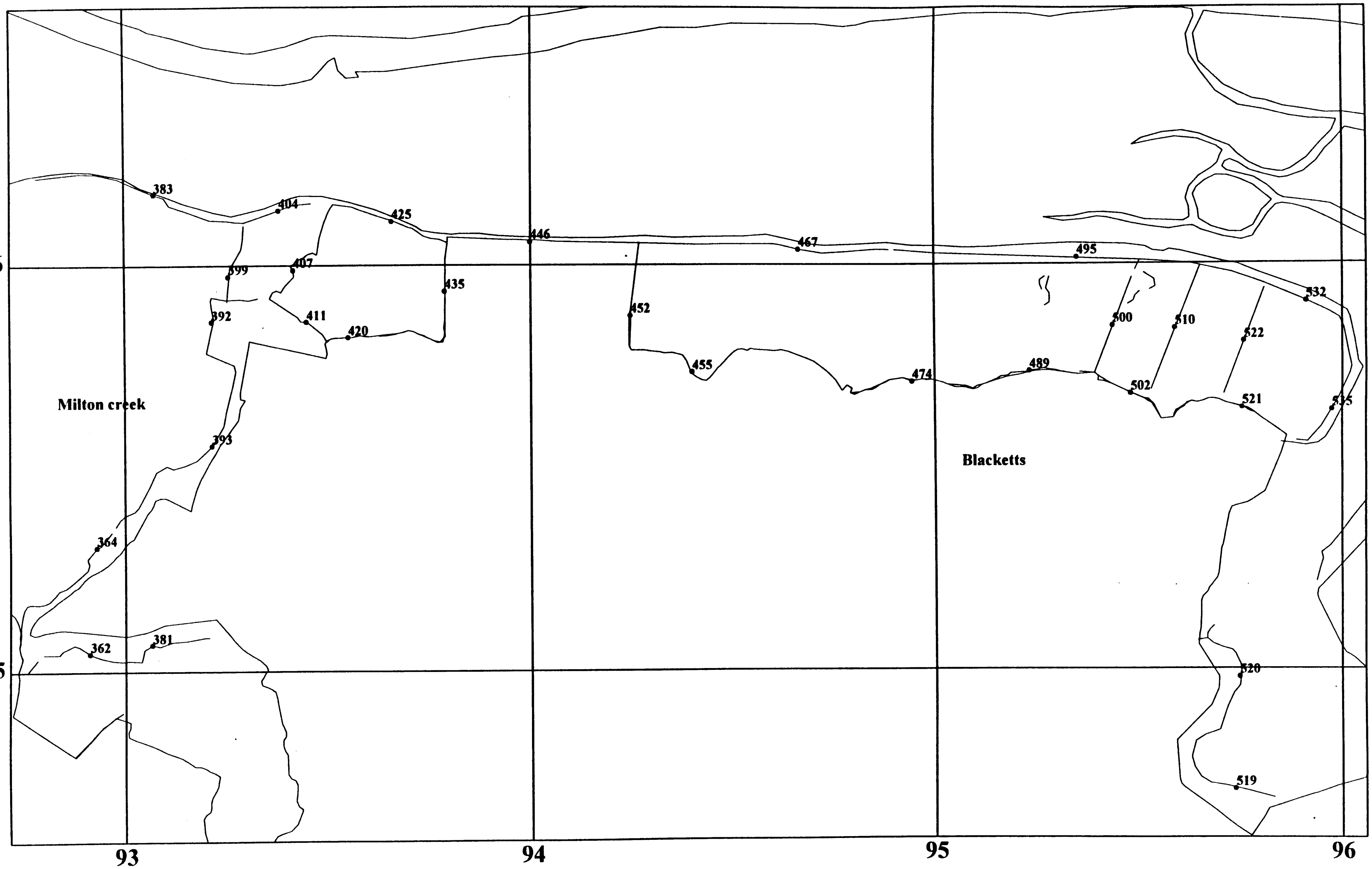
The Swale SSSI - Ditch Numbering (East to West)



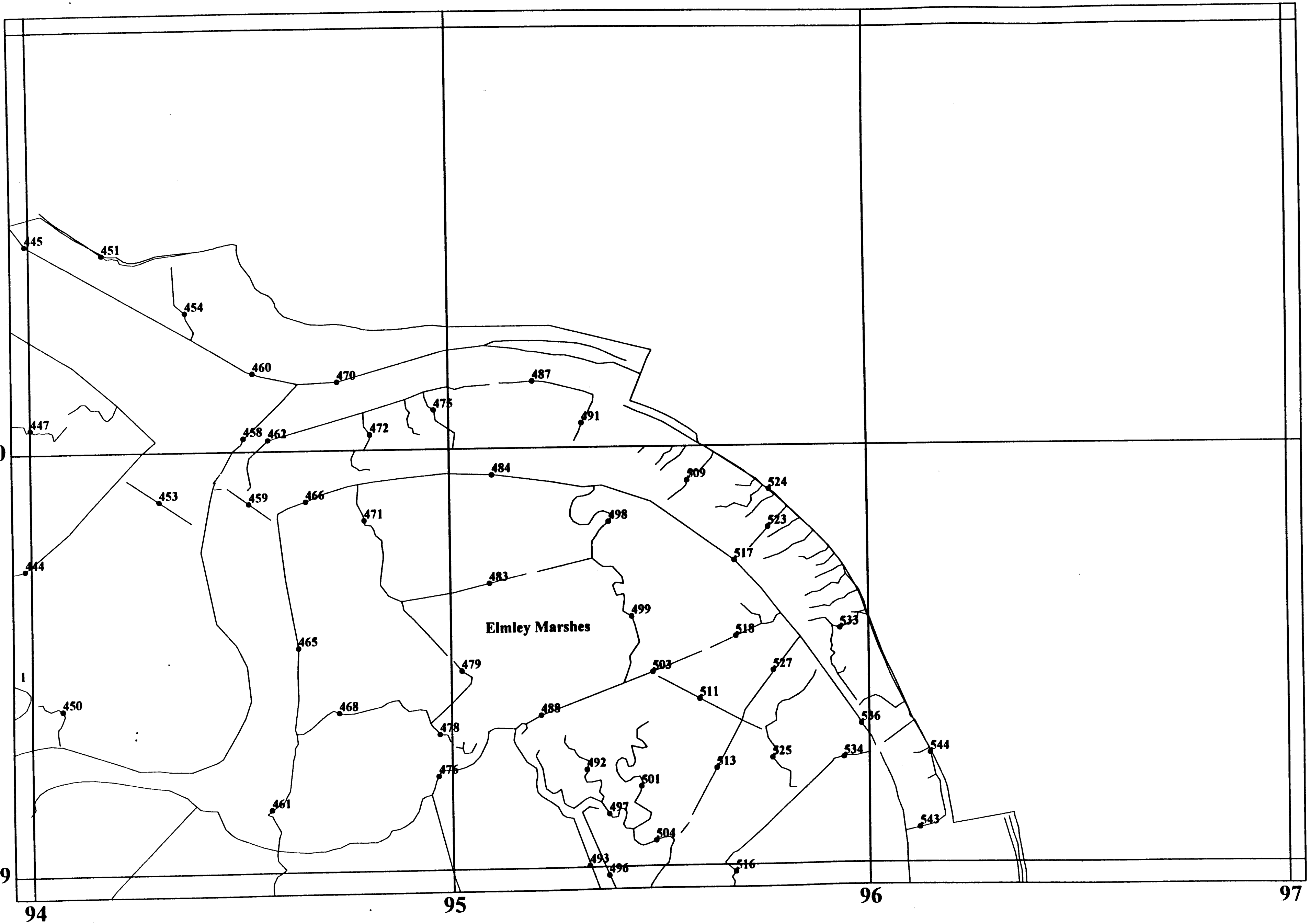
The Swale SSSI - Ditch Numbering (East to West)



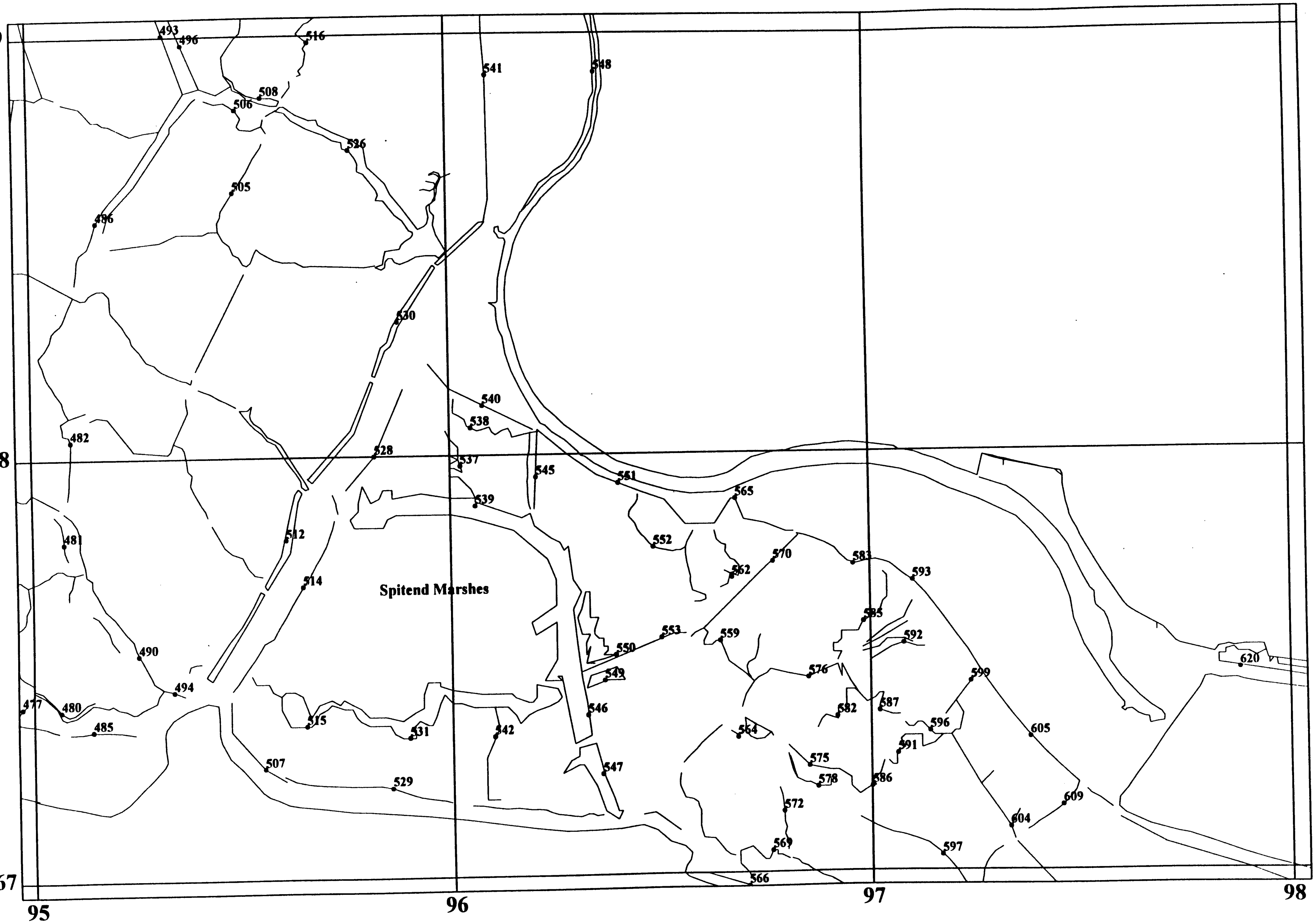
The Swale SSSI - Ditch Numbering (East to West)



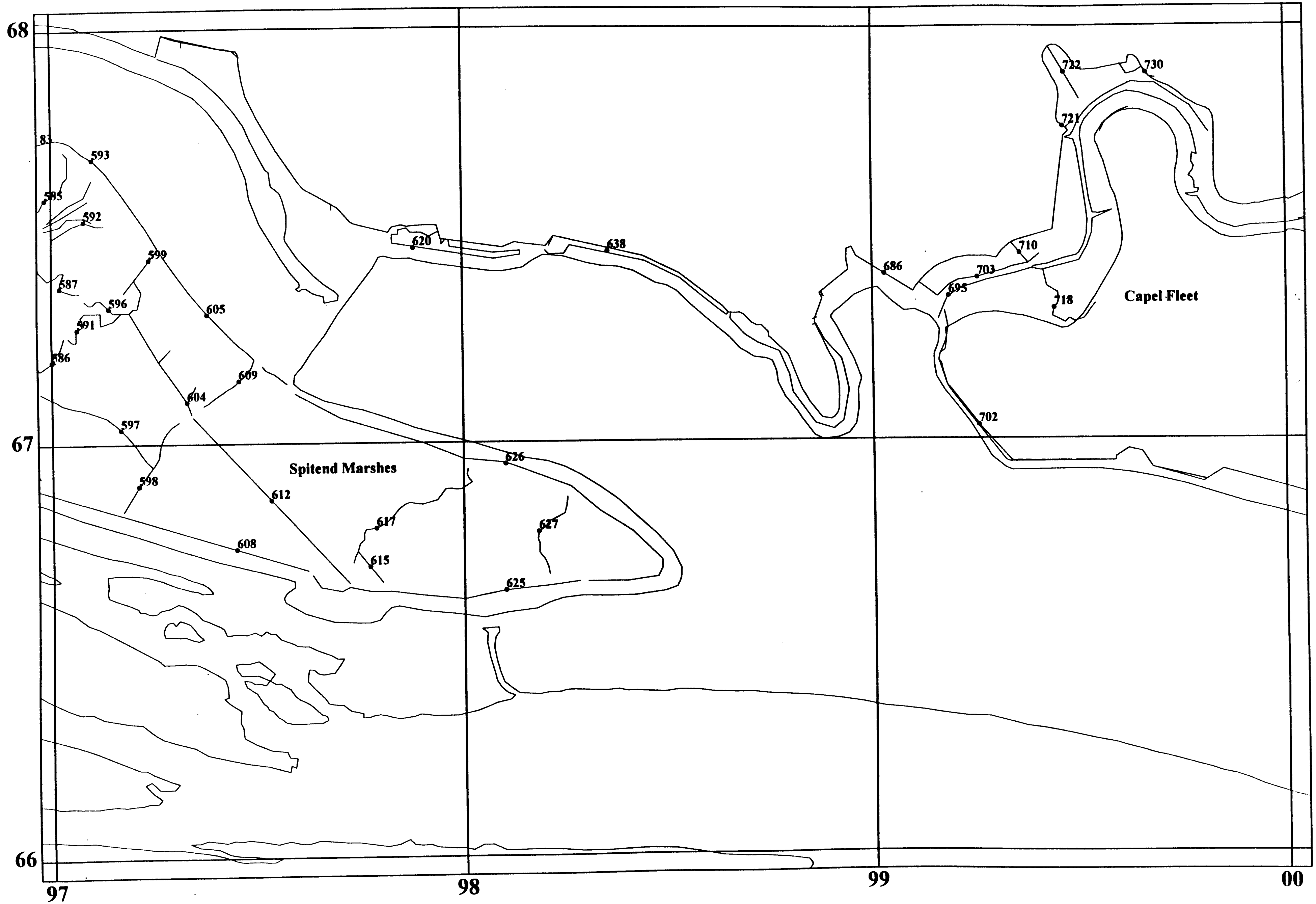
The Swale SSSI - Ditch Numbering (East to West)



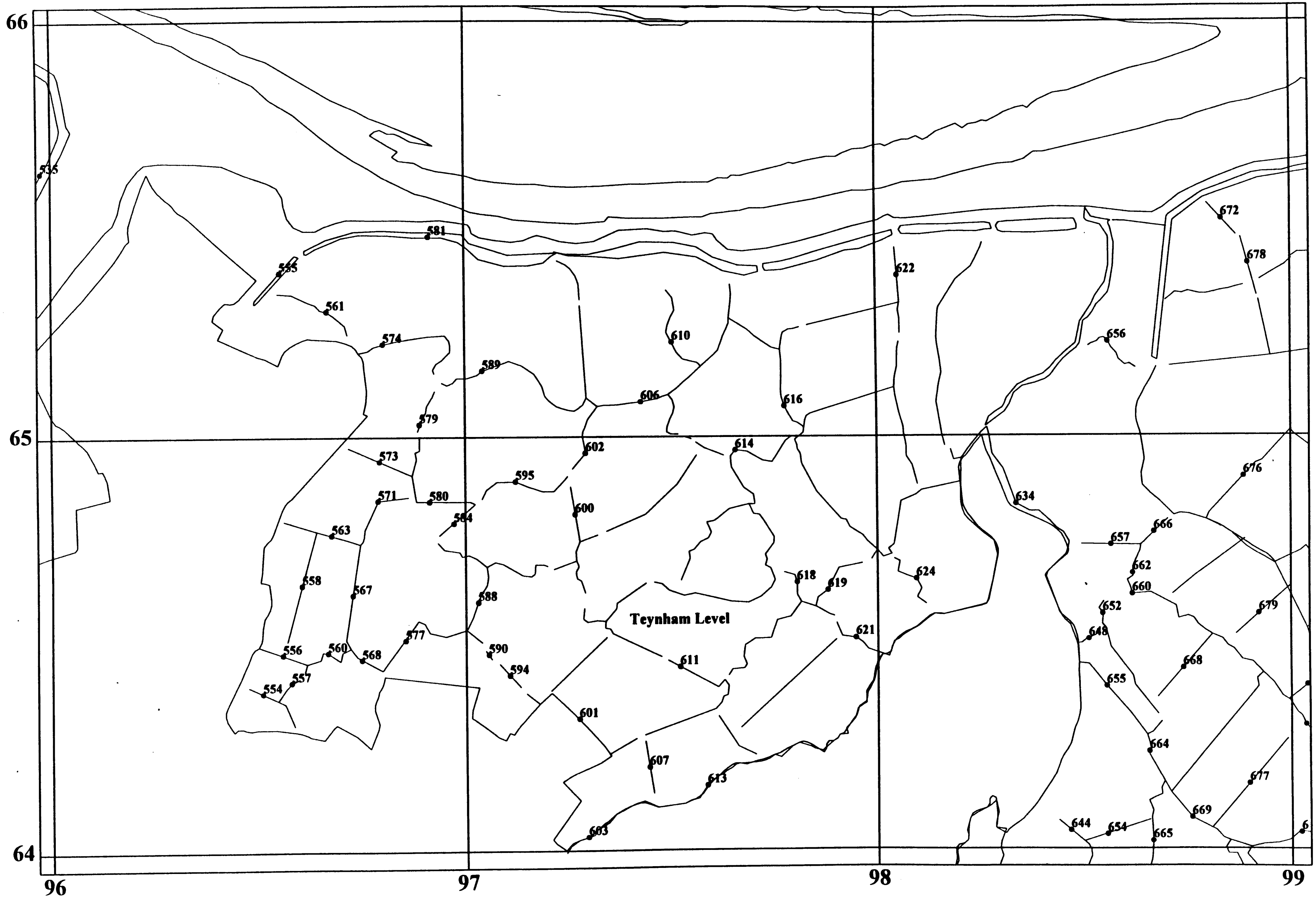
The Swale SSSI - Ditch Numbering (East to West)



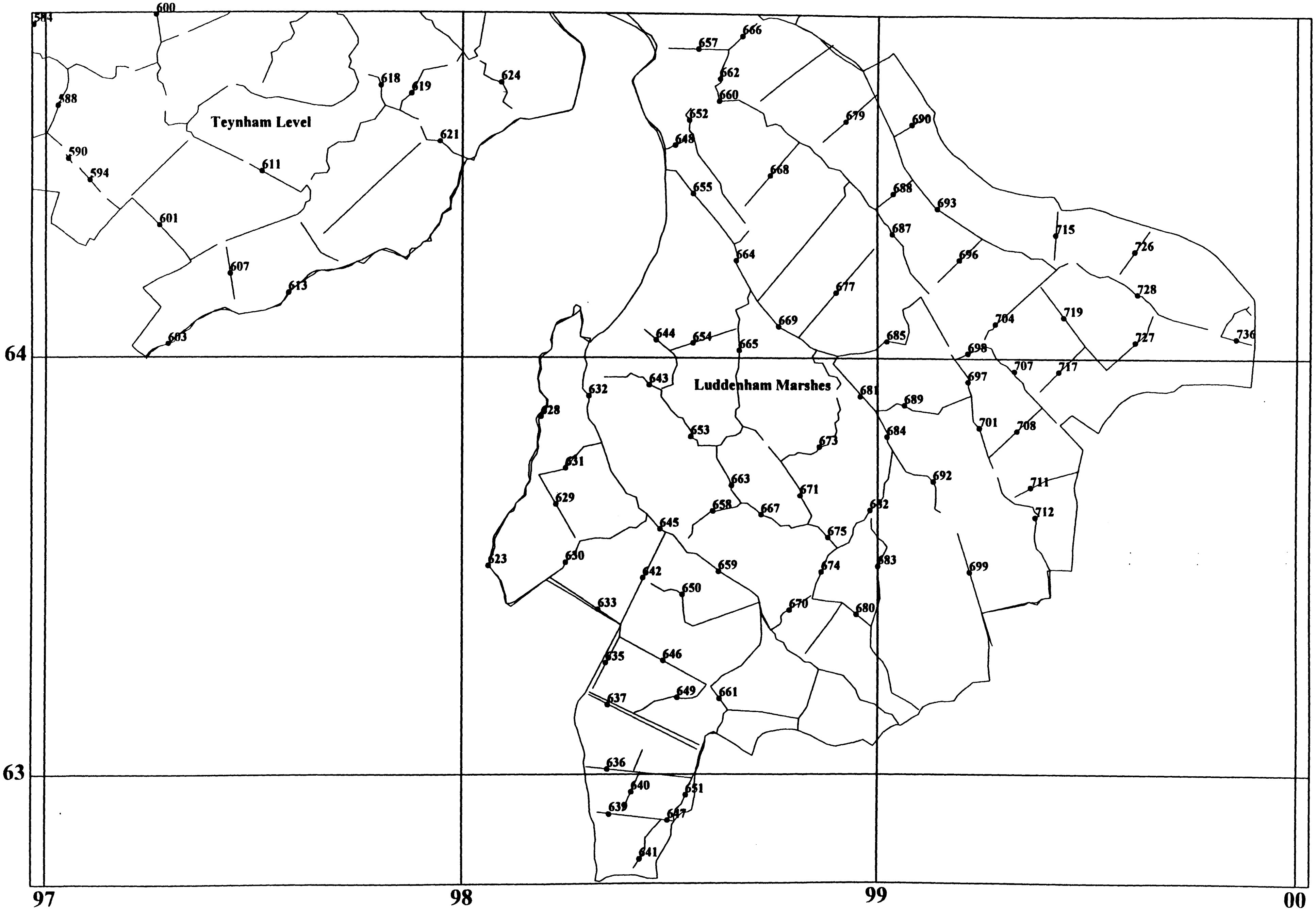
The Swale SSSI - Ditch Numbering (East to West)



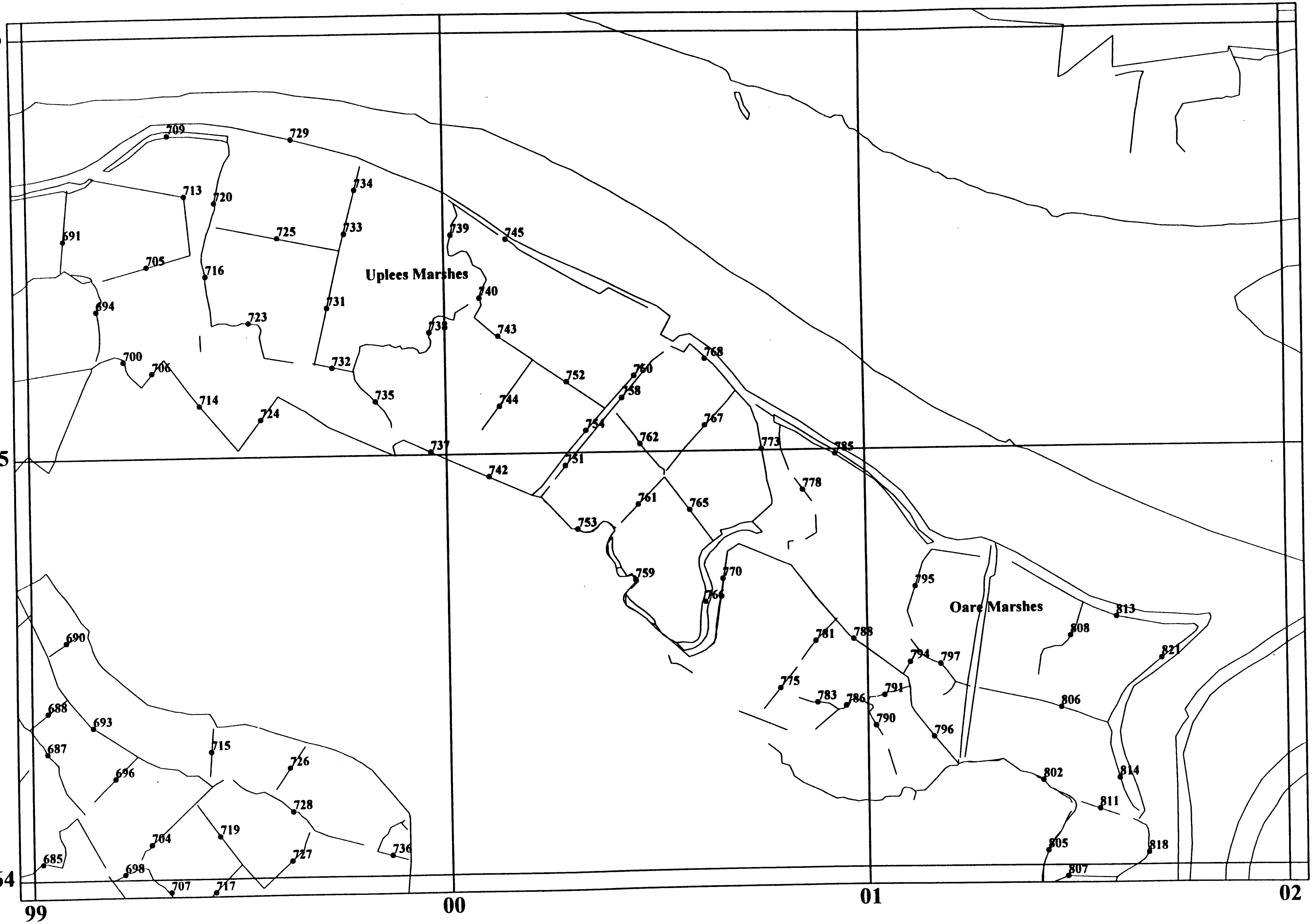
The Swale SSSI - Ditch Numbering (East to West)



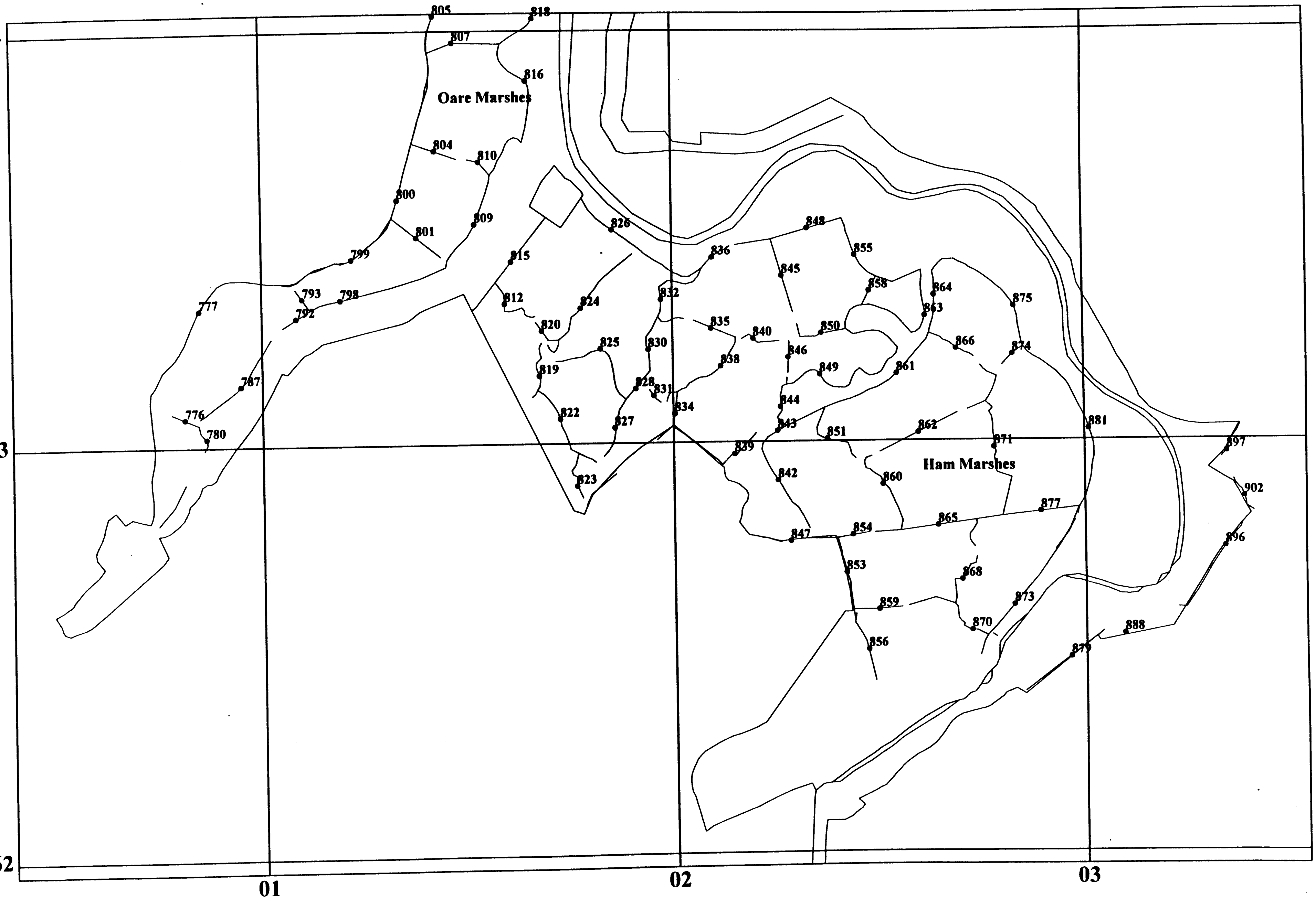
The Swale SSSI - Ditch Numbering (East to West)



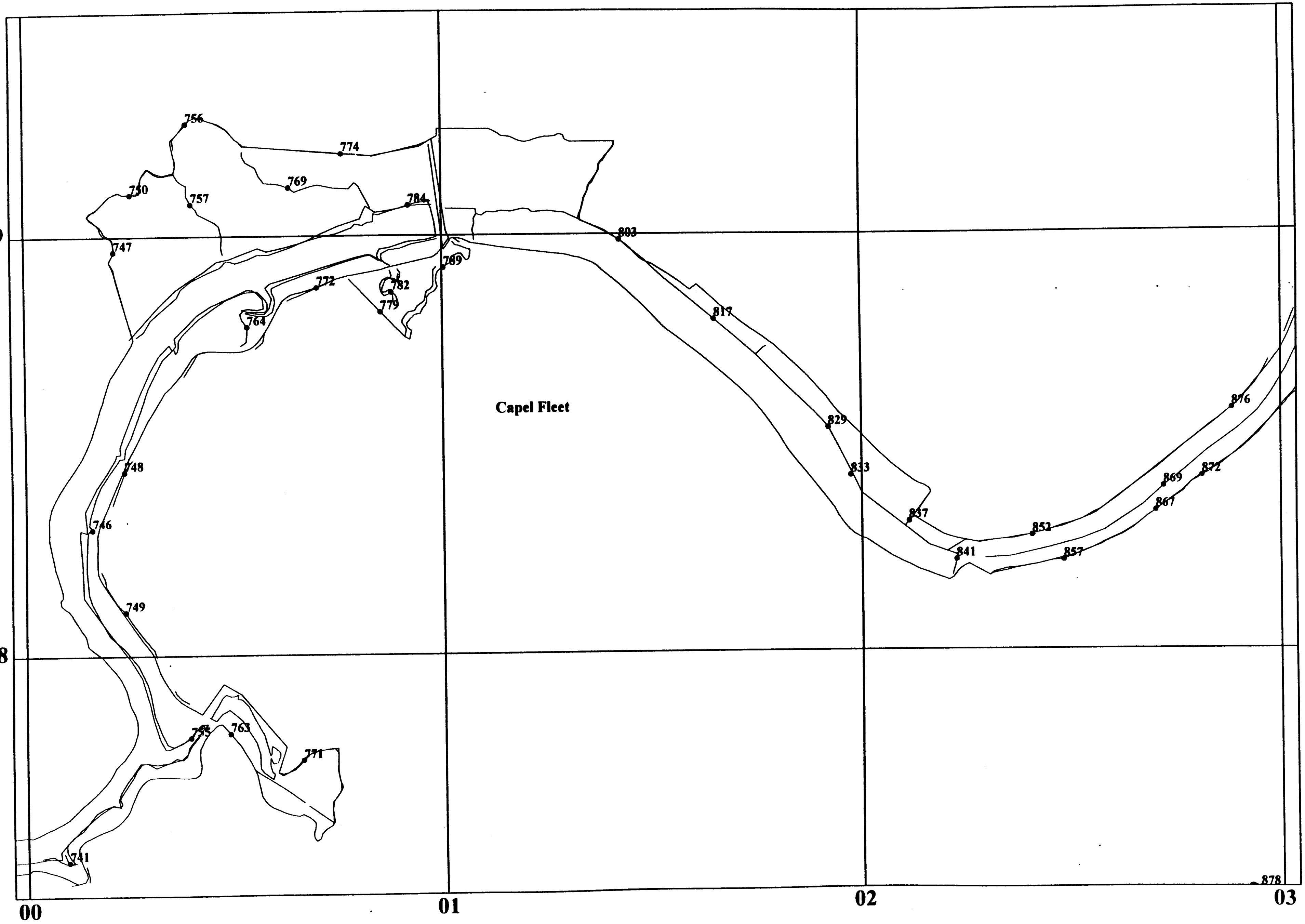
The Swale SSSI - Ditch Numbering (East to West)



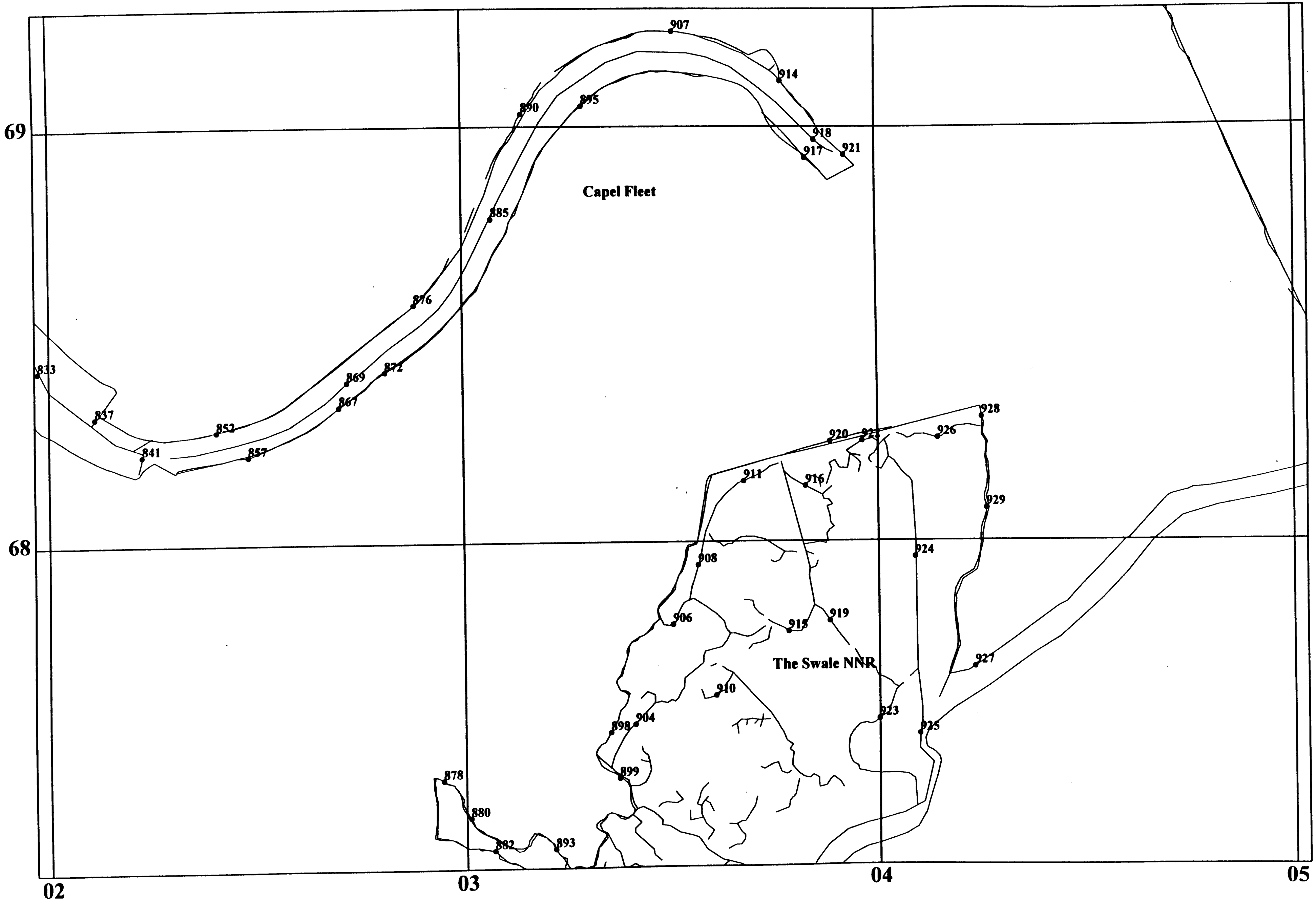
The Swale SSSI - Ditch Numbering (East to West)



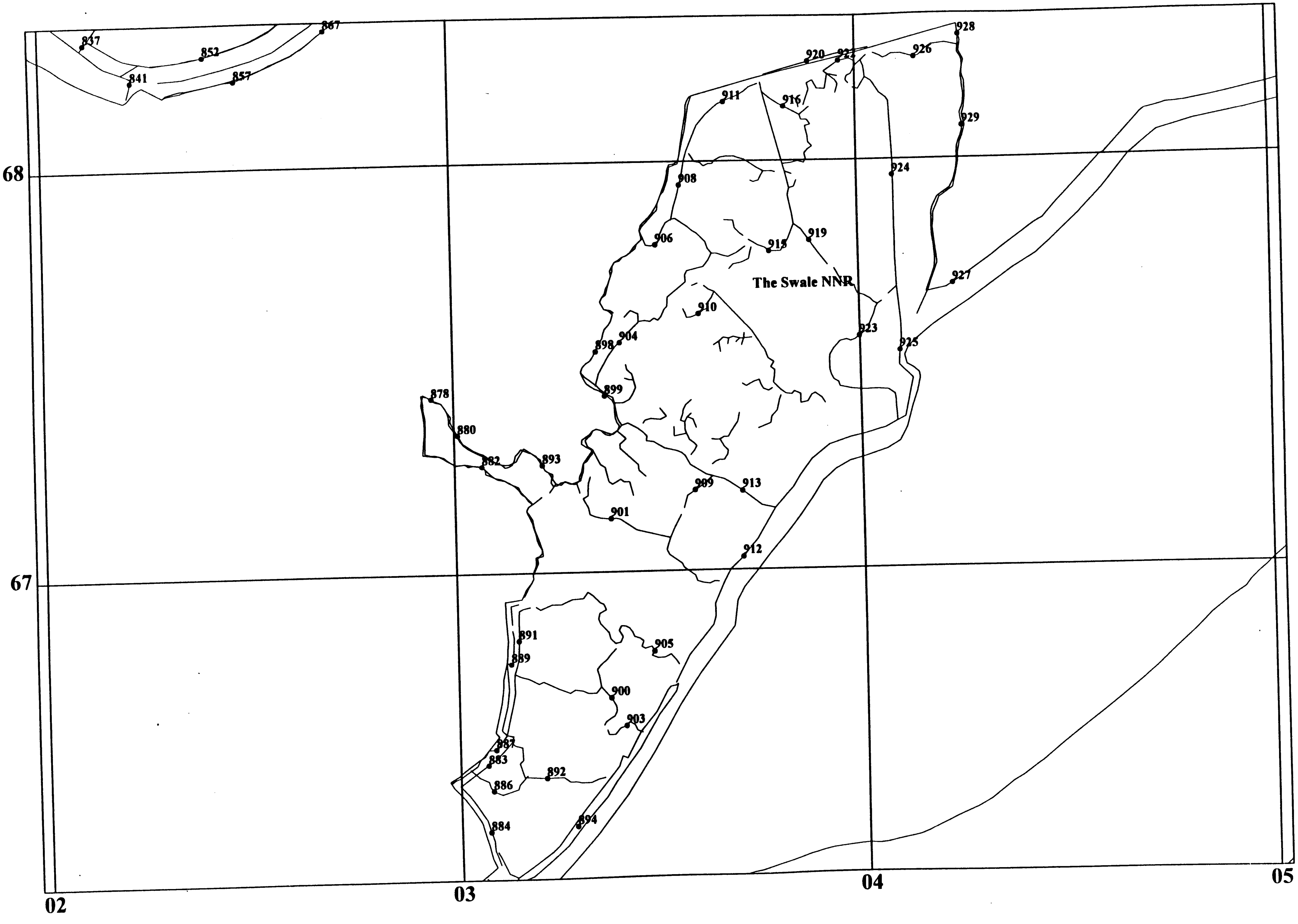
The Swale SSSI - Ditch Numbering (East to West)



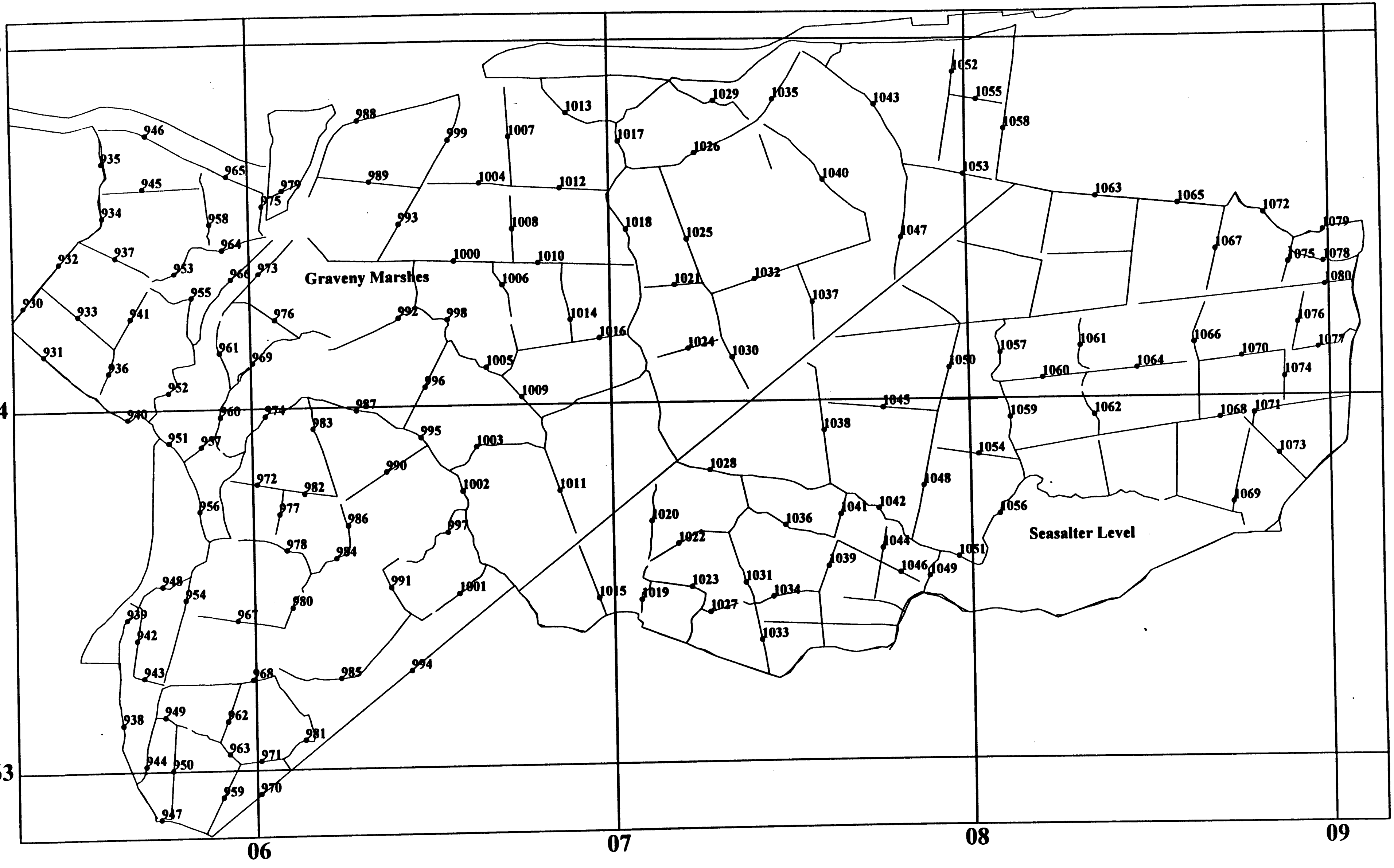
The Swale SSSI - Ditch Numbering (East to West)



The Swale SSSI - Ditch Numbering (East to West)



The Swale SSSI - Ditch Numbering (East to West)



Medway Estuary & Marshes SSSI and The Swale SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Azolla filiculoides																				
Callitriche obtusangula																				
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum																				
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†																	1			
Filamentous algae†		1																		
Groenlandia densa																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna miniscula																				
Lemna minor																				
Lemna trisulca																				
Myriophyllum spicatum																	1			
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus								1									1			
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta																				
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																			1	
Juncus articulatus																				
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*	3	2	3			3	3										1			
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris											1						1			
Scirpus maritimus*		2	1	3	1			2			2	2	1		3	3	2	1	3	2
Sparganium erectum																				
Typha angustifolia											1					1				
Typha latifolia										1										
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†														1						
Atriplex hastata	1	1	1	1	1	1	1										1			
Aster tripolium		1		1	1	1	1				1									
Carex divisa			1					1	1											
Carex otrubae												1				1				1
Carex distans																				
Chenopodium chenopodioides													1							
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum																				
Galium palustre																				
Glaux maritima																				
Inula crithmoides																				
Juncus effusus													1	1				1		1
Juncus inflexus												1	1			1		1		
Juncus gerardii								1												
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp.			1	1	1	1														
Samolus valerandi																				
Solanum dulcamara														1		1			1	
Spartina anglica																				
Spergularia marina						1														
Spergularia media																				
Sueda maritima			1																	
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*	1			1				2	3				1	2					2	
Ditch choked	1		1	1		1				1					1	1				
Ditch dry (N=near dry)				1							1	1	1	1	1	1		1	1	
Width (nearest metre)	2	6	4	3	5	8	8	10	3	3	1	2	1	2	3	2	4	2	2	4
land use north / east	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	A	P	P	A	P
land use south / west	U	P	U	P	P	P	P	U	A	A	U	P	P	P	P	P	U	P	P	P
Conductivity (µScm x 100)	17	199+	199+		199+	199+	199+	199+	116	114							199+			199+

Ditch Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Number of aquatic species	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0
Number of emergent species	1	2	2	1	1	1	1	1	0	1	3	1	1	0	1	2	3	1	2	1
Number of bank species	1	2	4	3	3	4	2	2	1	0	1	2	3	2	0	3	1	2	1	2
Total number of species	2	4	6	4	4	5	3	4	1	1	4	3	4	2	1	5	6	3	3	3

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

Medway Estuary & Marshes SSSI and The Swale SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Azolla filiculoides																				
Callitriche obtusangula														1	1					
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum																				
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†													1		1					
Filamentous algae†																				
Groenlandia densa																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna miniscula																				
Lemna minor													1	1						
Lemna trisulca													1	1	1					
Myriophyllum spicatum												1								
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus					1						1									
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta																				
Butomus umbellatus																				
Carex riparia														1						
Eleocharis palustris																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*			3	1			3			3			3	2	3	3	3	3	3	2
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris	1	1			1						1	1								
Scirpus maritimus*	2	2	1	2	2	2	1	3	2	2	2	2								
Sparganium erectum																		1		
Typha angustifolia																				
Typha latifolia														D			1			
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata	1	1	1		1		1			1	1									
Aster tripolium												1								
Carex divisa																				
Carex otrubae																				
Carex distans																				
Chenopodium chenopodioides																				
Chenopodium rubrum						1			1	1										
Crassula helmsii																				
Epilobium hirsutum																				
Galium palustre																				
Glaux maritima																				
Inula crithmoides																				
Juncus effusus																				
Juncus inflexus	1																			
Juncus gerardii			1				1		1		1									
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara																	1			
Spartina anglica																				
Spergularia marina						1	1			1										
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*																				2
Ditch choked			1				1	1		1			1	1		1	1	1	1	
Ditch dry (N=near dry)								1	1			1		1					1	
Width (nearest metre)	6	5	6	5	10	7	6	3	1	10	10	4	4	4	4	3	4	4	6	10
land use north / east	P	P	P	P	P	P	P	P	P	P	P	P	U	U	U	U	A	U	U	U
land use south / west	P	P	P	P	U	P	P	P	P	P	U	U	U	U	U	U	U	U	U	U
Conductivity (µScm x 100)	199+	199+	199+	199+	199+	195	199+			199+	199+		9		8		8	13		

Ditch Number	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Number of aquatic species	0	0	0	0	1	0	0	0	0	0	1	1	2	3	2	0	0	0	0	0
Number of emergent species	2	2	2	2	2	1	2	1	1	2	2	2	1	3	1	1	2	2	1	1
Number of bank species	2	1	2	0	1	2	3	0	2	3	2	1	0	0	0	0	1	0	0	0
Total number of species	4	3	4	2	4	3	5	1	3	5	5	4	3	6	3	1	3	2	1	1

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

Medway Estuary & Marshes SSSI and The Swale SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Azolla filiculoides																				
Callitriche obtusangula																				1
Callitriche stagnalis/spp																				
Ceratophyllum demersum									1											
Ceratophyllum submersum																				
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†																				
Filamentous algae†																				
Groenlandia densa																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna miniscula																				
Lemna minor									1											
Lemna trisulca									1											
Myriophyllum spicatum																				
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata			D																	
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus																				
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica									1									1		
Apium nodiflorum																				
Berula erecta									1											
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*		2	1					2			3		3			3		3		3
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris																				
Scirpus maritimus*	3	1	1	1	1	2	1	2	1		1	1		1			1			
Sparganium erectum									1									1		
Typha angustifolia														1						
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†					1	1				1							1			
Atriplex hastata	1		1	1		1	1							1				1		
Aster tripolium																				
Carex divisa																				
Carex otrubae			1						1											1
Carex distans																				
Chenopodium chenopodioides		1		1			1							1					1	
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum																		1		1
Galium palustre																				
Glaux maritima																				
Inula crithmoides																				
Juncus effusus					1			1		1								1		1
Juncus inflexus	1				1				1									1		1
Juncus gerardii	1	1		1		1	1							1					1	
Juncus maritima		1																		
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica					1													1		1
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara			1																	1
Spartina anglica																				
Spergularia marina		1		1			1												1	
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*		2		2						1										2
Ditch choked	1				1			1			1	1	1			1				
Ditch dry (N=near dry)	1	1		1	1	1	1	1		1			1		1	1	1	1	1	1
Width (nearest metre)	5	6	15	6	1	1	5	1	2	1	10	10	1	10	10	2	1	1	3	2
land use north / east	P	P	U	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
land use south / west	P	P	U	P	P	P	P	P	P	P	U	U	P	P	U	P	P	P	P	P
Conductivity (µScm x 100)			16						14		115	132		144						

Ditch Number	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Number of aquatic species	0	0	1	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	1
Number of emergent species	1	2	2	1	1	1	1	2	4	0	2	1	1	2	0	1	1	3	0	1
Number of bank species	3	4	3	4	3	2	4	1	2	1	0	0	0	3	0	0	0	5	3	6
Total number of species	4	6	6	5	4	3	5	3	9	1	2	1	1	5	0	1	1	8	3	8

† **Excluded from totals**
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

Medway Estuary & Marshes SSSI and The Swale SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
Azolla filiculoides																				
Callitriche obtusangula					1	1								1						1
Callitriche stagnalis/spp																				
Ceratophyllum demersum										1										1
Ceratophyllum submersum	1		1			1														
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†			1																	
Filamentous algae†		1		1						1									1	
Groenlandia densa																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna miniscula																				
Lemna minor	1		1			1				1									1	
Lemna trisulca	1		1			1														
Myriophyllum spicatum																				
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus			1												1					
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica				1															1	
Apium nodiflorum																				
Berula erecta	1			1	1			1		1								1		1
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris				1																
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus							1												1	
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*	3		3	1	2	3		3		2	3	3	3	2		3		3		3
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris				1																
Scirpus maritimus*		1	1						2						2					1
Sparganium erectum				1						1									1	
Typha angustifolia																				
Typha latifolia			1			1		1			1	1				1			1	
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†							1		1								1			
Atriplex hastata			1												1					
Aster tripolium																				
Carex divisa																				
Carex otrubae				1	1	1	1				1			1		1			1	1
Carex distans																				
Chenopodium chenopodioides																				
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum				1																
Galium palustre																				1
Glaux maritima																				
Inula crithmoides																				
Juncus effusus	1			1	1	1		1		1	1	1				1	1	1	1	
Juncus inflexus	1				1	1	1			1		1		1		1			1	
Juncus gerardii									1											
Juncus maritima		1																		
Lycopus europaeus			1	1							1							1	1	
Lysimachia nummularia																				
Mentha aquatica																				1
Myosotis cespitosa				1										1						
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica				1																
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara			1																	
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*	1						1						2	1			3			1
Ditch choked	1					1		1		1	1	1				1		1		
Ditch dry (N=near dry)					1	N	1	1	1	N	1	1		1	1	1	1	1		
Width (nearest metre)	1	6	20	2	2	2	2	2	3	2	2	2	4	3	4	2	2	3	2	2
land use north / east	P	P	P	P	P	P	P	P	P	P	P	P	U	P	P	P	P	P	P	P
land use south / west	P	P	U	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Conductivity (μScm x 100)	14	108	20	11		38				10									9	12

Ditch Number	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
Number of aquatic species	3	0	4	0	1	4	0	0	0	2	0	0	0	1	1	0	0	0	1	2
Number of emergent species	2	1	3	6	2	2	1	3	1	3	2	2	1	1	1	2	0	2	4	3
Number of bank species	2	1	3	6	3	3	2	1	1	2	3	2	0	3	1	3	1	2	4	3
Total number of species	7	2	10	12	6	9	3	4	2	7	5	4	1	5	3	5	1	4	9	8

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

Medway Estuary & Marshes SSSI and The Swale SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Azolla filiculoides																				
Callitriche obtusangula																				
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum																				
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†					1															
Filamentous algae†																				
Groenlandia densa																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna miniscula																				
Lemna minor																				
Lemna trisulca																				
Myriophyllum spicatum																				
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus	1	1		1	1	1	1	1	1	1	1		1	1			1		1	1
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta			1																	
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*					1	2	3	1				3								
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris																				
Scirpus maritimus*	1	1		1	2	1	1	1	1	1	1	2	3	2	2	3		1	3	
Sparganium erectum																				
Typha angustifolia																				
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†			1																	
Atriplex hastata	1	1			1	1	1	1	1	1	1		1	1	1					
Aster tripolium																				
Carex divisa																				
Carex otrubae																				
Carex distans																				
Chenopodium chenopodioides														1		1		1		
Chenopodium rubrum														1						
Crassula helmsii																				
Epilobium hirsutum																				
Galium palustre																				
Glaux maritima																				
Inula crithmoides						1														
Juncus effusus			1																	
Juncus inflexus			1																	
Juncus gerardii		1		1							1	1	1	1					1	
Juncus maritima											1			1						
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis											1			1						
Pulicaria dysenterica																				
Salicornia sp.	1	1		1																
Samolus valerandi																				
Solanum dulcamara																				
Spartina anglica				1																
Spergularia marina	1	1		1						1	1			1						
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*																				
Ditch choked							1					1								
Ditch dry (N=near dry)			1									1				1				
Width (nearest metre)	10	4	2	10	5	15	20	15	15	15	5	4	5	6	15	1	30	12	15	50
land use north / east	P	P	P	P	P	P	P	P	P	P	P	U	P	P	P	H	H	H	H	U
land use south / west	U	P	P	U	P	U	U	U	U	U	P	P	P	P	U	H	U	H	U	U
Conductivity (µScm x 100)	199+	199+		199+	199+	199+	199+	169	149	142	199+		199+	199+	163		110	32	28	140

Ditch Number	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Number of aquatic species	1	1	0	1	1	1	1	1	1	1	1	0	1	1	0	0	1	0	1	1
Number of emergent species	1	1	1	1	2	2	2	2	1	1	1	2	1	1	1	1	0	1	1	0
Number of bank species	3	4	2	4	1	2	1	1	1	2	5	1	2	7	1	1	0	1	1	0
Total number of species	5	6	3	6	4	5	4	4	3	4	7	3	4	9	2	2	1	2	3	1

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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English Nature 1995

Ditch number	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
Azolla filiculoides																				
Callitriche obtusangula																				
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum																				
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†																				
Filamentous algae†																				
Groenlandia densa																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna miniscula																				
Lemna minor																				
Lemna trisulca																				
Myriophyllum spicatum																				
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus			1	1	1	1	1			1							1			1
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta																				
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*				1				3			3	3								
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris																				
Scirpus maritimus*		1		3	1	1	1		3	2	3		3	1	3	2	3	2	2	1
Sparganium erectum																				
Typha angustifolia																				
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata				1														1	1	
Aster tripolium																1				
Carex divisa																	1			
Carex otrubae																				
Carex distans																				
Chenopodium chenopodioides	1																		1	
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum																				
Galium palustre																				
Glaux maritima																	1			
Inula crithmoides																				
Juncus effusus																				
Juncus inflexus																				
Juncus gerardii		1				1	1							1			1		1	
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																			1	
Pulicaria dysenterica												1								
Salicornia sp.	1	1								1						1		1	1	
Samolus valerandi																				
Solanum dulcamara																				
Spartina anglica																				
Spergularia marina		1					1							1					1	
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*								1												
Ditch choked								1												
Ditch dry (N=near dry)								1			1	1	1						1	
Width (nearest metre)	12	30	5	4	5	5	25	3	5	4	4	4	30	30	2	20	10	2	1	50
land use north / east	H	H	P	U	P	P	P	P	P	H	H	U	P	P	U	H	P	H	P	U
land use south / west	H	H	P	U	P	P	P	U	P	H	U	H	P	P	U	H	P	U	P	P
Conductivity (µScm x 100)	198	199+	199+	128	199+	199+	199+		199+	199+				199+	199+	199+	102	189		199+

Ditch Number	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
Number of aquatic species	0	0	1	1	1	1	1	0	0	1	0	0	0	0	0	0	1	0	0	1
Number of emergent species	0	1	0	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
Number of bank species	2	3	0	1	0	1	2	0	0	1	0	1	0	2	0	2	3	2	6	0
Total number of species	2	4	1	4	2	3	4	1	1	3	2	2	1	3	1	3	5	3	7	2

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch number	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
Azolla filiculoides																				
Callitriche obtusangula																				
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum																				
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†																				
Filamentous algae†	1													1						
Groenlandia densa																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna miniscula																				
Lemna minor																				
Lemna trisulca																				
Myriophyllum spicatum																				
Myriophyllum verticillatum																				
Nymphaea alba																				
Nympnoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus			1		1	1		1			1	1		1	1	1	1	1	1	
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii						1					1				1					
Ranunculus trichophyllus																				
Ranunculus seedling	1							1	1											
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta																				
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*																				2
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris																				
Scirpus maritimus*	2		1	1	3	2	3	1	2	3	2	1	1	2	3	1	2	2	1	1
Sparganium erectum																				
Typha angustifolia																				
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata						1					1				1			1		
Aster tripolium																				
Carex divisa	1		1		1			1												
Carex otrubae																				
Carex distans																				
Chenopodium chenopodioides	1					1	1		1	1					1			1		1
Chenopodium rubrum							1													
Crassula helmsii																				
Epilobium hirsutum																				
Galium palustre																				
Glaux maritima													1				2	1		1
Inula crithmoides																				
Juncus effusus																				
Juncus inflexus																				
Juncus gerardii	1					1	1	1			1	1	1	1		1	1		1	1
Juncus maritima											1									
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis						1									1					
Pulicaria dysenterica																				
Salicornia sp.		1		1		1														
Samolus valerandi																				
Solanum dulcamara																				
Spartina anglica																				
Spergularia marina						1									1			1		
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*																				
Ditch choked																				
Ditch dry (N=near dry)		1					1								1					
Width (nearest metre)	7	30	3	3	10	5	2	4	7	4	2	3	20	2	1	4	4	10	4	15
land use north / east	P	U	P	H	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P
land use south / west	P	U	A	U	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Conductivity (µScm x 100)	60		44	199+	87	168		39	71	165	166	45	80	92		27	74	90	72	78

Ditch Number	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
Number of aquatic species	1	0	1	0	1	2	0	2	1	0	2	1	0	1	2	1	1	1	1	0
Number of emergent species	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Number of bank species	3	1	1	1	1	6	3	2	1	1	3	1	2	1	4	1	2	4	1	3
Total number of species	5	1	3	2	3	9	4	5	3	2	6	3	3	3	7	3	4	6	3	5

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch number	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
Azolla filiculoides																				
Callitriche obtusangula																				
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum			1			1	1	1				1	1		1		1	1	1	
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†						1												1	1	
Filamentous algae†						1														
Groenlandia densa																				
Hydrocharis morsus-ranae																				
Lemna gibba													1							
Lemna miniscula																				
Lemna minor																				
Lemna trisulca							1				1	1	1				1	1	1	
Myriophyllum spicatum							1			1		1					1	1	1	
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus	1	1		1	1	1		1	1	1		1					1	1	1	
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling					1									1			1			
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris										1										
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta																				
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris							1													
Equisetum fluviatile																				
Glyceria fluitans											1									
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*																				
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum			1			1							1		1					
Scirpus lacustris																				
Scirpus maritimus*	2	1	1	1	2	1	1	1	1	1	2	1	1	2	2	2	1	1	2	3
Sparganium erectum																				
Typha angustifolia																	1			
Typha latifolia															1					1
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†																1				1
Atriplex hastata																				
Aster tripolium																				
Carex divisa					1					1										
Carex otrubae																				
Carex distans																				
Chenopodium chenopodioides																			1	
Chenopodium rubrum								1				1							1	
Crassula helmsii																				
Epilobium hirsutum																				
Galium palustre																				
Glaux maritima		1																		
Inula crithmoides																				
Juncus effusus																				
Juncus inflexus			1				1		1											
Juncus gerardii	1			1	1	1		1				1							1	
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara																				
Spartina anglica																				
Spergularia marina					1															
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*													1							
Ditch choked																				1
Ditch dry (N=near dry)																1				1
Width (nearest metre)	4	4	4	6	6	4		3	4	4	3	12	3	2	3	2	3	3	4	3
land use north / east	A	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	A	P	P	A
land use south / west	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Conductivity (µScm x 100)	27	76	23	27	78	43	24	77	27	77	37	42	42	46	48		35	34	35	

Ditch Number	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
Number of aquatic species	1	1	1	1	2	2	3	2	1	3	1	4	3	1	1	0	5	4	4	0
Number of emergent species	1	1	2	1	1	2	2	1	1	1	2	1	2	1	3	1	2	1	1	2
Number of bank species	1	1	1	1	3	1	1	2	1	1	0	2	0	0	0	0	0	0	3	0
Total number of species	3	3	4	3	6	5	6	5	3	5	3	7	5	2	4	1	7	5	8	2

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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English Nature 1995

Ditch number	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
Azolla filiculoides																				
Callitriche obtusangula					1			1							1	1		1		
Callitriche stagnalis/spp													1							
Ceratophyllum demersum																				
Ceratophyllum submersum	1						1		1	1				1	1	1	1	1	1	
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†	1						1				1	1			1					
Filamentous algae†							1			1	1	1					1			
Groenlandia densa																				
Hydrocharis morsus-ranae																				
Lemna gibba							1										1			
Lemna miniscula																				
Lemna minor								1					1			1	1	1		
Lemna trisulca							1													
Myriophyllum spicatum					1		1		1									1		
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus	1								1	1	1			1	1		1		1	
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii		1			1		1									1				
Ranunculus trichophyllus																				
Ranunculus seedling				1		1														
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																1				
Alisma plantago-aquatica																				
Apium nodiflorum																	1			
Berula erecta																				
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris					1		1								1	1	1			
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*			3																	
Ranunculus flammula																				
Ranunculus sceleratus										1							1			
Rumex hydrolapathum			1									1								
Scirpus lacustris																				
Scirpus maritimus*	2	3	1	1	3	2	1	2	1	2	1	2	2	2	1	1	2	1	2	
Sparganium erectum																				
Typha angustifolia																				
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata																				
Aster tripolium																				
Carex divisa					1															
Carex otrubae																				
Carex distans																				
Chenopodium chenopodioides										1				1					1	1
Chenopodium rubrum										1				1					1	1
Crassula helmsii																				
Epilobium hirsutum												1								
Galium palustre																				
Glaux maritima																				
Inula crithmoides																				
Juncus effusus													1					1		
Juncus inflexus					1								1							
Juncus gerardii	1					1	1													
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara								1												
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*								1												
Ditch choked			1																	
Ditch dry (N=near dry)		1	1		N	1		1												1
Width (nearest metre)	2	1	3	1	2	1	3	2	4	3	3	3	2	6	3	2	3	2	5	4
land use north / east	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
land use south / west	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Conductivity (µScm x 100)	49			62	93		21		44	49	51	32	15	52	28	35	23	25	44	

Ditch Number	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
Number of aquatic species	2	1	0	1	3	1	5	2	3	2	1	0	2	2	3	5	4	4	2	0
Number of emergent species	1	1	3	1	2	1	2	1	1	2	1	2	1	1	2	2	4	1	1	0
Number of bank species	1	0	0	0	2	1	1	1	0	2	0	1	2	2	0	0	0	1	2	2
Total number of species	4	2	3	2	7	3	8	4	4	6	2	3	5	5	5	7	8	6	5	2

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch number	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
Azolla filiculoides											1							1		1
Callitriche obtusangula									1						1			1		1
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum		1	1				1				1	1				1	1	1		1
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†						1										1			1	
Filamentous algae†			1							1	1	1			1	1		1	1	1
Groenlandia densa																				
Hydrocharis morsus-ranae																				
Lemna gibba				1																
Lemna miniscula																				
Lemna minor										1	1									1
Lemna trisulca											1							1		1
Myriophyllum spicatum		1					1			1	1	1		1		1	1		1	1
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus		1	1			1	1			1	1	1				1	1	1	1	1
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii							1				1	1			1					1
Ranunculus trichophyllus																				
Ranunculus seedling						1														
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris							1													
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta																				
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris			1							1	1	1			1			1		1
Equisetum fluviatile																				
Glyceria fluitans											1									1
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																		1		
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*													3							
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris																				
Scirpus maritimus*	2	2	1	2	2	2	1	2	2		1	1-	1	2	1	1	2	1	2	1
Sparganium erectum																				
Typha angustifolia																				
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata																				
Aster tripolium																				
Carex divisa								1		1					1					
Carex otrubae																		1		
Carex distans																				
Chenopodium chenopodioides		1				1	1							1		1				
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum																				
Galium palustre																				
Glaux maritima																				
Inula crithmoides																				
Juncus effusus			1							1										
Juncus inflexus										1								1		1
Juncus gerardii	1																	1		
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara																				
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*																		1		
Ditch choked																				
Ditch dry (N=near dry)	1			N	1				N											
Width (nearest metre)	1	4	2	1	3	4	10	1	1	5	3	3	10	4	1	4	3	4	4	1
land use north / east	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
land use south / west	P	P	P	P	P	P	P	P	P	P	U	P	P	P	P	P	P	P	P	P
Conductivity (µScm x 100)		43	25	42		44	44	56	54	20	19	22	45	48	46	43	46	13	43	26

Ditch Number	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
Number of aquatic species	0	3	2	1	0	2	5	0	1	3	7	4	0	1	2	3	3	5	2	8
Number of emergent species	1	1	2	1	1	1	·1	1	1	1	3	2	2	1	2	1	1	3	1	3
Number of bank species	1	1	1	0	0	1	1	1	0	3	0	0	0	1	1	1	0	3	0	1
Total number of species	2	5	5	2	1	4	7	2	2	7	10	6	2	3	5	5	4	11	3	12

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch number	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220
Azolla filiculoides							1			1										
Callitriche obtusangula			1		1	1	1		1						1				1	
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum	1			1											1					
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†																				1
Filamentous algae†						1				1					1		1		1	
Groenlandia densa																				
Hydrocharis morsus-ranae																				
Lemna gibba					1															
Lemna miniscula				1																
Lemna minor										1			1		1				1	
Lemna trisulca				1	1								1		1				1	
Myriophyllum spicatum	1																			
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus						1														
Potamogeton natans																				
Potamogeton pectinatus	1		1			1			1			1		1	1		1			1
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii		1	1												1					
Ranunculus trichophyllus																				
Ranunculus seedling						1			1											
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris		1													1					
Alisma plantago-aquatica															1					
Apium nodiflorum										1	1									
Berula erecta																				
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris		1		1	1	1	1													
Equisetum fluviatile																				
Glyceria fluitans				1									1							
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg				1	1						1									
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*													3						3	
Ranunculus flammula																				
Ranunculus sceleratus				1	1	1														
Rumex hydrolapathum																				
Scirpus lacustris																				
Scirpus maritimus*	2	2	1	1	1				2	1		1		2			2	1	1	1
Sparganium erectum					1	1									1					
Typha angustifolia							1	1					1		1					
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata															1					
Veronica scutellata																				
Grass dom (Agro/Alop)†																1				
Atriplex hastata																				
Aster tripolium																				
Carex divisa		1					1													
Carex otrubae										1										
Carex distans																				
Chenopodium chenopodioides	1				1													1		1
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum								1			1									
Galium palustre							1													
Glaux maritima												1								
Inula crithmoides																				
Juncus effusus				1																
Juncus inflexus		1		1	1		1			1	1				1	1			1	
Juncus gerardii	1		1						1	1		1		1				1	1	1
Juncus maritima									1			1						1		
Lycopus europaeus																1				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa							1								1					
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica							1													
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara								1					1							
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*							1	2			2		1			2				
Ditch choked							1													
Ditch dry (N=near dry)							1	1	1		1					1		1		
Width (nearest metre)	5	20	2	4	3	8	2	1	3	3	1	5	3	5	3	4	2	6	3	2
land use north / east	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
land use south / west	P	P	P	P	P	P	P		P	P		P		P	P	U	P	P	P	
Conductivity (µScm x 100)	38	42	42	15	14	9				13		105	7	122	33		98		11	199+

Ditch Number	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220
Number of aquatic species	3	2	3	3	3	4	2	0	3	2	0	1	2	1	7	0	1	0	3	1
Number of emergent species	1	2	1	5	5	3	2	1	1	2	2	1	3	1	4	0	1	1	2	1
Number of bank species	2	2	1	2	2	0	5	2	2	3	2	3	1	1	2	2	0	3	2	2
Total number of species	6	6	5	10	10	7	9	3	6	7	4	5	6	3	13	2	2	4	7	4

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch number	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
Azolla filiculoides																				
Callitriche obtusangula	1		1	1												1		1		1
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum			1	1				1						1		1				1
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†		1			1				1					1						
Filamentous algae†			1		1			1						1		1		1		
Groenlandia densa																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna miniscula																				
Lemna minor			1					1										1		1
Lemna trisulca			1	1				1												
Myriophyllum spicatum																				
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus			1													1				1
Potamogeton natans																				
Potamogeton pectinatus							1	1	1		1	1		1				1	1	1
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii								1												
Ranunculus trichophyllus																				
Ranunculus seedling		1			1				1			1								
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris				1				1								1				1
Alisma plantago-aquatica				1												1				
Apium nodiflorum													1					1		
Berula erecta																				
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris																		1		
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa								1										1		
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*	2							1							1					
Ranunculus flammula																				
Ranunculus sceleratus	1																			
Rumex hydrolapathum																				
Scirpus lacustris																				
Scirpus maritimus*		1			1		3		1	3	3	1		1			2		3	
Sparganium erectum			1	1				1								1		1		1
Typha angustifolia				1				1										1		1
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																1				1
Veronica scutellata																				
Grass dom (Agro/Alop)†						1							1		1					
Atriplex hastata																				
Aster tripolium																				
Carex divisa	1													1						
Carex otrubae	1																1			
Carex distans																	1			
Chenopodium chenopodioides																				
Chenopodium rubrum										1										
Crassula helmsii																				
Epilobium hirsutum													1			1				
Galium palustre																				
Glaux maritima																				
Inula crithmoides																				
Juncus effusus																				
Juncus inflexus			1	1				1					1			1		1		1
Juncus gerardii		1			1		1			1	1	1		1					1	
Juncus maritima										1										
Lycopus europaeus																1				
Lysimachia nummularia																				
Mentha aquatica													1			1				
Myosotis cespitosa																				1
Myosotis scorpioides													1							
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																1				
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara																1	1			
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*	1																2			
Ditch choked	1									1	1						1		1	
Ditch dry (N=near dry)						1				1			1		1		1			
Width (nearest metre)	3	5	4	4	5	3	1	6	5	2	3	1	1	4	2	3	2	8	4	5
land use north / east	P	P	P	P	P	P	P	P	P		P	P	P	P	P	P	P	P	U	P
land use south / west	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	U	P	P	P
Conductivity (µScm x 100)	12	20	7	27	35		75	13	54		70	73		40		6		8	124	13

Ditch Number	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
Number of aquatic species	1	1	5	4	1	0	1	6	2	0	1	2	0	2	0	4	0	3	1	6
Number of emergent species	2	1	1	3	1	0	1	4	1	1	1	1	1	1	1	3	1	5	1	3
Number of bank species	2	1	1	1	1	0	1	1	0	3	1	1	4	2	0	6	3	1	1	2
Total number of species	5	3	7	8	3	0	3	11	3	4	3	4	5	5	1	13	4	9	3	11

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch number	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260
Azolla filiculoides																				
Callitriche obtusangula			1					1												
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum			1			1														
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†		1	1																	
Filamentous algae†		1	1		1			1		1							1			
Groenlandia densa																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna miniscula																				
Lemna minor			1					1												
Lemna trisulca								1												
Myriophyllum spicatum		1				1														
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus		1		1	1	1											1			
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling		1			1	1					1			1						1
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum			1																	
Berula erecta																				
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris																				
Equisetum fluviatile																				
Glyceria fluitans											1									
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*	2		3				3	3		3										
Ranunculus flammula																				
Ranunculus sceleratus			1																	
Rumex hydrolapathum																				
Scirpus lacustris																				
Scirpus maritimus*	2	1	2	1	3	1	3	3			2	3	1	2	3		3	3	3	3
Sparganium erectum																				
Typha angustifolia			1					1												
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†									1				1			1				
Atriplex hastata								1												
Aster tripolium																				
Carex divisa		1				1					1			1					1	
Carex otrubae			1																	
Carex distans											1			1					1	
Chenopodium chenopodioides																				
Chenopodium rubrum	1																			
Crassula helmsii					1															
Epilobium hirsutum																				
Galium palustre																				
Glaux maritima																				
Inula crithmoides																				
Juncus effusus																1				
Juncus inflexus						1			1				1			1				
Juncus gerardii		1			1	1					1	1		1	1		1		1	1
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara								1												
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*								1	1							1			1	
Ditch choked								1		1				1	1				1	
Ditch dry (N=near dry)							1	1	1	1	1	1	1	1	1	1		1	1	
Width (nearest metre)	20	4	6	30	1	1	4	1	1	8	2	20	2	3	2	2	1	20	2	2
land use north / east	U	P	P	U	P	P	P	R	P	P	P	U	P	P	U	P	P	U	U	P
land use south / west	U	P	P	U	P	P	P	P	P	P	P	U	P	P	P	P	P	U	P	P
Conductivity (µScm x 100)	150	33	29	95	98	43											77			68

Ditch Number	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260
Number of aquatic species	0	3	3	1	2	4	0	3	0	0	1	0	0	1	0	0	1	0	0	1
Number of emergent species	2	1	5	1	1	1	2	3	0	1	2	1	1	1	1	0	1	1	1	1
Number of bank species	1	2	1	0	2	3	0	2	1	0	3	1	1	3	1	2	1	0	3	1
Total number of species	3	6	9	2	5	8	2	8	1	1	6	2	2	5	2	2	3	1	4	3

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

Medway Estuary & Marshes SSSI and The Swale SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280
Azolla filiculoides																				
Callitriche obtusangula																				
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum																				
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†												1								
Filamentous algae†											1	1							1	
Groenlandia densa																				
Hydrocharis morsus-ranae																				
Lemna gibba																1				
Lemna miniscula																				
Lemna minor																1				
Lemna trisulca																1				
Myriophyllum spicatum																				
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus												1								
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta																				
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris																				
Equisetum fluviatile					1															
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*					2															
Ranunculus flammula																				
Ranunculus sceleratus				1			1									1	1			
Rumex hydrolapathum																				
Scirpus lacustris																				
Scirpus maritimus*	3	1		3	1	1	3	3	1		2	1	2	3	1	3	3		1	1
Sparganium erectum							1													
Typha angustifolia																				1
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†		1	1	1				1	1				1							
Atriplex hastata							1									1				
Aster tripolium																				
Carex divisa	1										1									
Carex otrubae	1																1			
Carex distans	1				1															
Chenopodium chenopodioides						1		1					1							1
Chenopodium rubrum						1						1			1					1
Crassula helmsii																				
Epilobium hirsutum					1															
Galium palustre																				
Glaux maritima																				
Inula crithmoides																				
Juncus effusus			1																	
Juncus inflexus			1						1	1								1		
Juncus gerardii						1						1								
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp.												1								
Samolus valerandi																				
Solanum dulcamara					1															
Spartina anglica																				
Spergularia marina											1	1								
Spergularia media												1								
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*			1						1											
Ditch choked					1															
Ditch dry (N=near dry)	1	1	1	1	1		1	1	1	1			1	1			1	1		
Width (nearest metre)	2	1	1	3	3	30	2	3	4	2	30	20	2	4	8	2	2	2	3	30
land use north / east	P	P	P	P	U	P	U	P	P	P	P	U	P	H	P	U	U	P	P	P
land use south / west	P	P	P	P	P	U	U	P	P	P	P	U	P		P	U	U	P	P	P
Conductivity (µScm x 100)						76					100	183			88	12			100	82

Ditch Number	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280
Number of aquatic species	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3	0	0	0	0
Number of emergent species	1	1	0	2	3	1	3	1	1	0	1	1	1	1	1	2	2	0	1	2
Number of bank species	3	0	2	0	3	3	1	1	1	1	2	5	1	0	1	1	1	1	0	2
Total number of species	4	1	2	2	6	4	4	2	2	1	3	7	2	1	2	6	3	1	1	4

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

Medway Estuary & Marshes SSSI and The Swale SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300
Azolla filiculoides																				
Callitriche obtusangula				1					1								1			
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum											1							1	1	
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†							1				1							1	1	
Filamentous algae†				1			1						1				1			1
Groenlandia densa																				
Hydrocharis morsus-ranae																				
Lemna gibba	1			1	1				1								1			1
Lemna miniscula																				
Lemna minor	1		1	1	1				1						1		1		1	1
Lemna trisulca				1					1								1		1	1
Myriophyllum spicatum																				
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus			1				1		1	1				1						
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling											1							1		
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum	1								1											
Berula erecta																				
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris											1									
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima							D													
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*						1									3					
Ranunculus flammula																				
Ranunculus sceleratus					1				1						1					
Rumex hydrolapathum																				
Scirpus lacustris																				
Scirpus maritimus*	1	3	1	1	1	3	1		3	1	1		2	1			2	1	1	2
Sparganium erectum																				
Typha angustifolia		1															1			
Typha latifolia				1													1			
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†								1				1				1				
Atriplex hastata									1											
Aster tripolium																				
Carex divisa			1							1				1						
Carex otrubae		1																		
Carex distans																				
Chenopodium chenopodioides			1						1	1								1		
Chenopodium rubrum			1								1							1	1	
Crassula helmsii																				
Epilobium hirsutum				1					1								1			1
Galium palustre																				
Glaux maritima																				
Inula crithmoides																				
Juncus effusus																				
Juncus inflexus								1												
Juncus gerardii										1										
Juncus maritima				1										1						
Lycopus europaeus					1									1	1					
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara				1					1						1		1			
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*					1												1			1
Ditch choked																				
Ditch dry (N=near dry)		1						1				1				1				
Width (nearest metre)	4	2	30	4	3	10	2	2	6	20	5	2	3	7	5	2	4	30	15	2
land use north / east	P	U	P	U	P	P	U	P	U	U	P	P	U	U	U	P	U	P	P	U
land use south / west	P	U	P	U	P	P	U	P	U	U	P	P	P	U	U	P	U	P	P	U
Conductivity (µScm x 100)	8		39	5	5	100			6	26	33		100	167	5		5	21	26	5

Ditch Number	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300
Number of aquatic species	2	0	2	4	2	0	1	0	5	1	2	0	0	1	1	0	4	2	3	3
Number of emergent species	2	2	1	2	2	2	2	0	3	1	2	0	1	1	2	0	3	1	1	1
Number of bank species	0	1	3	3	1	0	0	1	4	3	1	0	0	3	2	0	2	2	1	1
Total number of species	4	3	6	9	5	2	3	1	12	5	5	0	1	5	5	0	9	5	5	5

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320
Azolla filiculoides										1										
Callitriche obtusangula																				
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum				1				1	1	1			1				1			1
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†			1	1			1	1	1	1			1				1			
Filamentous algae†	1		1		1					1				1		1	1			1
Groenlandia densa																				
Hydrocharis morsus-ranae																				
Lemna gibba	1				1															
Lemna miniscula																				
Lemna minor	1			1	1		1	1		1			1	1			1			1
Lemna trisulca	1			1	1			1		1			1	1		1	1			1
Myriophyllum spicatum																1				
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus								1		1						1	1			1
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling									1											
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta																				
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris						1		1	1	1			1	1			1			1
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus					1															
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*		3	3									3			3	3		3		
Ranunculus flammula																				
Ranunculus sceleratus					1					1							1			
Rumex hydrolapathum																				
Scirpus lacustris																				
Scirpus maritimus*	3		3	1	3	1	1	1	1	1	2		1	1			1		2	1
Sparganium erectum																				
Typha angustifolia																				
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata					1															
Veronica scutellata																				
Grass dom (Agro/Alop)†											1								1	
Atriplex hastata																				
Aster tripolium																				
Carex divisa									1			1								1
Carex otrubae															1					
Carex distans																				
Chenopodium chenopodioides											1									
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum	1	1			1															
Galium palustre																				
Glaux maritima							1													
Inula crithmoides																				
Juncus effusus																				
Juncus inflexus					1		1									1		1		
Juncus gerardii			1				1					1								
Juncus maritima							1						1							
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica		1																		
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara																				
Spartina anglica																				
Spergularia marina			1																	
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*			1				1				1				2					
Ditch choked															1					
Ditch dry (N=near dry)						1			1		1			1	1			1	1	
Width (nearest metre)	4	4	30	6	2	5	3	6	5	7	1	6	20	6	1	2	7	1	2	6
land use north / east	U	P	U	H	P	P	U	H	P	P	P	P	P	P	P	P	P	U	P	P
land use south / west	U	U	P	H	P	P	P	P	P	P	P	P	P	P	U	P	P	P	P	P
Conductivity (µScm x 100)	5	77	100	42	10		16	28		22		84	24			54	18			34

Ditch Number	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320
Number of aquatic species	3	0	0	3	3	0	1	4	2	5	0	0	3	2	0	3	4	0	0	4
Number of emergent species	1	1	2	1	4	2	1	2	2	3	1	1	2	2	1	1	3	1	1	2
Number of bank species	1	2	2	0	2	0	4	0	1	0	1	2	1	0	1	1	0	1	0	1
Total number of species	5	3	4	4	9	2	6	6	5	8	2	3	6	4	2	5	7	2	1	7

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340
Azolla filiculoides	1		1																	
Callitriche obtusangula					1															
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum	1		1	1							1			1			1			
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†	1																			
Filamentous algae†				1							1									1
Groenlandia densa																				
Hydrocharis morsus-ranae																				
Lemna gibba			1		1															
Lemna miniscula																				
Lemna minor	1		1	1	1	1					1									
Lemna trisulca	1		1		1	1					1						1			
Myriophyllum spicatum					1															
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus	1			1							1						1			
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta																				
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris	1		1	1		1								1						
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg					1															
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*					3		3			3			3					3		
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris																				
Scirpus maritimus*	1		1	1		1		1			1	3		1	3	1	1		1	3
Sparganium erectum																				
Typha angustifolia																			1	
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†		1							1	1										
Atriplex hastata																				1
Aster tripolium																				
Carex divisa																1	1			
Carex otrubae																				
Carex distans																				
Chenopodium chenopodioides	1											1								
Chenopodium rubrum			1																	
Crassula helmsii																				
Epilobium hirsutum													1							
Galium palustre																				
Glaux maritima																				
Inula crithmoides																				
Juncus effusus																				
Juncus inflexus					1		1													
Juncus gerardii								1												
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica													1							
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica					1								1							
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara					1														1	
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*																				
Ditch choked							1						1							
Ditch dry (N=near dry)		1				1	1		1	1			1		1				1	
Width (nearest metre)	6	1	6	6	4	6	1	8	1	1	8	12	1	8	1	5	6	10	5	15
land use north / east	P	P	H	P	P	P	P	P	P	P	P	P	U	P	P	P	H	P	P	P
land use south / west	P	P	P	P	P	P	U	P	P	P	P	P	U	P	P	P	P	P	U	P
Conductivity (µScm x 100)	31		43	43	6			95			18	108		27		65	27	114		50

Ditch Number	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340
Number of aquatic species	5	0	5	3	5	2	0	0	0	0	4	0	0	1	0	0	3	0	0	0
Number of emergent species	2	0	2	2	2	2	1	1	0	1	1	1	1	2	1	1	1	1	2	1
Number of bank species	1	0	1	0	3	0	1	1	0	0	0	1	3	0	0	1	1	0	1	1
Total number of species	8	0	8	5	10	4	2	2	0	1	5	2	4	3	1	2	5	1	3	2

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

Medway Estuary & Marshes SSSI and The Swale SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360
Azolla filiculoides																				
Callitriche obtusangula																				
Callitriche stagnalis/spp																				1
Ceratophyllum demersum																				
Ceratophyllum submersum					1															
Elodea canadensis														1	1			1		
Elodea nuttallii																				
Enteromorpha sp†			1	1																
Filamentous algae†																				
Groenlandia densa													1	1	1					1
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna miniscula																				
Lemna minor				1	1			1								1				
Lemna trisulca					1									1						
Myriophyllum spicatum									1											
Myriophyllum verticillatum															1					1
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus								1		1	1	1	1		1	1	1	1	1	
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																				1
Ranunculus seedling																				
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris															1					
Alisma plantago-aquatica																				
Apium nodiflorum																		1		
Berula erecta																				
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*																				
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris					1					1									1	
Scirpus maritimus*	2	2		2	2	2	3	2	1	2	2	2	3	3	3	2	1		2	1
Sparganium erectum																				
Typha angustifolia																				
Typha latifolia																		1		
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†		1	1				1													
Atriplex hastata										1										
Aster tripolium																				
Carex divisa		1																	1	
Carex otrubae	1										1		1				1			
Carex distans																				1
Chenopodium chenopodioides																				
Chenopodium rubrum															1					
Crassula helmsii																				
Epilobium hirsutum																				
Galium palustre																				
Glaux maritima																				
Inula crithmoides																				1
Juncus effusus																				
Juncus inflexus																		1		1
Juncus gerardii	1									1			1					1	1	1
Juncus maritima									1			1					1		1	1
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis												1								
Pulicaria dysenterica																				
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara																				
Spartina anglica																				
Spergularia marina												1								
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*			2																	
Ditch choked																				
Ditch dry (N=near dry)	1	1	1			1	1	1		N	1				1	1				1
Width (nearest metre)	3	1	1	5	6	4	2	5	9	3	6	4	6	8	8	5	5	4	9	4
land use north / east	P	P	P	U	U	P	P	P	P	U	P	U	P	P	P	P	P	P	P	U
land use south / west	U		P	P	P	P	P	P	P	U	U	P	P	H	P	P	P	P	P	P
Conductivity (µScm x 100)			115	62	6				66	170		158	48	48	50			69	173	89

Ditch Number	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360
Number of aquatic species	0	0	0	1	3	0	0	2	1	1	1	1	1	2	4	2	1	2	1	3
Number of emergent species	1	1	0	1	2	1	1	1	1	2	1	1	1	1	1	1	1	2	2	1
Number of bank species	2	1	0	0	0	0	0	0	1	2	1	3	2	0	1	0	2	2	3	5
Total number of species	3	2	0	2	5	1	1	3	3	5	3	5	4	3	6	3	4	6	6	9

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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English Nature 1995

Ditch number	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380
Azolla filiculoides																				
Callitriche obtusangula							1													
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum											1									1
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†	1										1									
Filamentous algae†	1								1		1									1
Groenlandia densa																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna miniscula																				
Lemna minor				1					1											1
Lemna trisulca				1					1	1										1
Myriophyllum spicatum	1		1				1				1			1						
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus	1								1		1						1			1
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii							1													
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta				1																
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*				3						1										
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris			1				1	1	1						1					
Scirpus maritimus*	1		2		3	3	1	2	2		3		1	1	2	3	2	3	3	2
Sparganium erectum																				
Typha angustifolia							1													
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†					1							1								
Atriplex hastata																			1	
Aster tripolium																				
Carex divisa						1		1	1											1
Carex otrubae				1		1	1								1				1	
Carex distans																				
Chenopodium chenopodioides												1					1			
Chenopodium rubrum														1						
Crassula helmsii																				
Epilobium hirsutum																				
Galium palustre																				
Glaux maritima																				
Inula crithmoides																				
Juncus effusus															1					
Juncus inflexus							1								1				1	
Juncus gerardii			1			1	1	1	1						1		1		1	1
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica				1																
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara																				
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*		3																		
Ditch choked				1															1	
Ditch dry (N=near dry)		1			1	1		1				1	1		1	1		1	1	
Width (nearest metre)	7	2	5	3	1	3	4	5	5	6	6	1	4	10	2	2	5	1	2	6
land use north / east	P	U	P	U	P	P	U	P	P	H	P	P	H	P	P	P	P	P	P	H
land use south / west	P	U	P	U	P	P	P	H	P	P	P	P	P	P	P	P	P	P	P	P
Conductivity (µScm x 100)	79		89	85			50		22	81	44			75			149			6

Ditch Number	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380
Number of aquatic species	2	0	1	2	0	0	3	0	3	1	3	0	0	1	0	0	1	0	0	4
Number of emergent species	1	0	2	2	1	1	3	2	2	1	1	0	1	1	2	1	1	1	1	1
Number of bank species	0	0	1	2	0	3	3	2	2	0	0	1	0	1	4	0	2	0	4	2
Total number of species	3	0	4	6	1	4	9	4	7	2	4	1	1	3	6	1	4	1	5	7

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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English Nature 1995

Ditch number	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400
Azolla filiculoides																				
Callitriche obtusangula												1						1		
Callitriche stagnalis/spp																				
Ceratophyllum demersum					1															
Ceratophyllum submersum		1		1			1													
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†		1									1	A								
Filamentous algae†		1		1			1				1			1						1
Groenlandia densa																				
Hydrocharis morsus-ranae												1								
Lemna gibba																				
Lemna miniscula																				
Lemna minor								1				1		1				1		
Lemna trisulca				1								1						1		
Myriophyllum spicatum					1				1											
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus		1					1				1									1
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica														1						
Apium nodiflorum																				
Berula erecta										1		1								
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris					1			1		1										
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*			3	1				2				3	3		2		3		3	
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris												1								
Scirpus maritimus*		3		3	1	2	3		1	2	3			3	2	3		3	2	3
Sparganium erectum																				
Typha angustifolia						D				1										
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata						1									1				1	
Aster tripolium																				
Carex divisa				1	1															
Carex otrubae				1	1	1				1				1						
Carex distans																				
Chenopodium chenopodioides				1		1	1		1		1									1
Chenopodium rubrum															1					
Crassula helmsii																				
Epilobium hirsutum										1			1							
Galium palustre										1										
Glaux maritima																				
Inula crithmoides																				
Juncus effusus				1						1			1	1						
Juncus inflexus				1										1						
Juncus gerardii					1	1		1							1	1				
Juncus maritima														1						
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara	1												1							
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*	3		1																	
Ditch choked			1			1				1		1	1				1		1	
Ditch dry (N=near dry)	1	1	1			1		1		1	1			1		1			1	1
Width (nearest metre)	2	1	4	4	10	3	6	5	8	3	1	3	3	4	5	5	7	6	10	3
land use north / east	U	P	U	P	A	P	P	P	P	P	P	U	U	P	P	P	P	P	U	P
land use south / west	U	P	U	H	H	P	P	P	P	P	P	U	U	H	P	P	P	H	U	P
Conductivity (µScm x 100)				38	3		32		49			36	23		199+		199+	14		93

Ditch Number	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400
Number of aquatic species	0	2	0	2	2	0	2	1	1	0	1	4	0	1	0	0	0	3	0	1
Number of emergent species	0	1	1	2	2	2	1	2	1	4	1	3	1	2	2	1	1	1	2	1
Number of bank species	1	0	0	5	3	4	1	1	1	4	1	0	3	4	3	1	0	0	1	1
Total number of species	1	3	1	9	7	6	4	4	3	8	3	7	4	7	5	2	1	4	3	3

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420
Azolla filiculoides																				
Callitriche obtusangula										1		1						1		
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum		1			1			1		1							1			
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†					1															
Filamentous algae†								1									1			
Groenlandia densa																				
Hydrocharis morsus-ranae							1													
Lemna gibba																				
Lemna miniscula																				
Lemna minor		1					1				1			1						
Lemna trisulca		1			1		1				1			1						
Myriophyllum spicatum		1						1		1							1			
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus								1									1			
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica											1			1						
Apium nodiflorum																				
Berula erecta							1				1									
Butomus umbellatus																				
Carex riparia											1									
Eleocharis palustris	1				1					1							1			
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*							3				1				2					
Ranunculus flammula																				
Ranunculus sceleratus																		1		
Rumex hydrolapathum																				
Scirpus lacustris																				
Scirpus maritimus*	1	3	3	3	2	3		3	3	1		2	3			3	1	3	3	
Sparganium erectum		1									1									1
Typha angustifolia	D	1												1						
Typha latifolia											1									
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†																1				
Atriplex hastata															1					
Aster tripolium																				
Carex divisa					1								1				1			
Carex otrubae	1															1				
Carex distans																				
Chenopodium chenopodioides		1	1									1	1		1		1		1	
Chenopodium rubrum																	1			
Crassula helmsii																				
Epilobium hirsutum		1									1									1
Galium palustre																				
Glaux maritima																				
Inula crithmoides																				
Juncus effusus	1	1											1	1						
Juncus inflexus	1	1											1	1		1		1		1
Juncus gerardii	1				1				1	1					1					
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica				1							1									
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara											1									
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima				1																
Triglochin palustre																				
Scrub cover*				2			1				1									2
Ditch choked	1			1		1	1				1									1
Ditch dry (N=near dry)	1		1	1	N	1			1			1	1	1		1		1	1	1
Width (nearest metre)	3	4	7	4	4	1	4	2	1	20	5	5	3	2	6	2	8	1	3	4
land use north / east	P	P	P	U	P	P	F	P	P	A	F	P	P	H	P	P	P	P	P	F
land use south / west	P	H	P	F	P	P	U	P	P	P	A	P	H	H	P	P	P	P	H	A
Conductivity (µScm x 100)		52			80		41	70		15	11				92		48			

Ditch Number	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420
Number of aquatic species	0	4	0	0	2	0	3	3	0	3	2	1	0	2	0	0	3	1	0	0
Number of emergent species	3	3	1	1	2	1	2	1	1	2	6	1	1	2	1	1	2	2	1	1
Number of bank species	4	4	1	2	2	0	0	0	1	1	3	1	4	2	3	2	3	1	1	2
Total number of species	7	11	2	3	6	1	5	4	2	6	11	3	5	6	4	3	8	4	2	3

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440
Azolla filiculoides																				
Callitriche obtusangula					1						1									
Callitriche stagnalis/spp																				
Ceratophyllum demersum								1												
Ceratophyllum submersum		1		1					1		1							1		
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†					A															
Filamentous algae†				1				1			A							A		
Groenlandia densa																				
Hydrocharis morsus-ranae					1															
Lemna gibba																		1		
Lemna miniscula																				
Lemna minor					1			1							1			1		
Lemna trisulca				1	1													1		
Myriophyllum spicatum				1					1		1									
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus	1	1		1				1										1		
Potamogeton pusillus/berchtoldii		1																		
Ranunculus baudotii				1							1							1		
Ranunculus trichophyllus																				
Ranunculus seedling		1						1	1										1	
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris				1							1							1		
Alisma plantago-aquatica		1																		
Apium nodiflorum																				
Berula erecta					1										1					
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris		1		1				1	1		1			1				1	1	1
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg											1									
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*			2		3										3					
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris		1	1						1				1					1		
Scirpus maritimus*	3	1	2	2	1		1	1	1	3	2	2	2	2		3	2	2	2	2
Sparganium erectum					1															
Typha angustifolia																				
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata											1									
Veronica scutellata																				
Grass dom (Agro/Alop)†										1		1					1			
Atriplex hastata													1					1		
Aster tripolium																				
Carex divisa				1	1			1			1									
Carex otrubae		1			1			1												
Carex distans																				
Chenopodium chenopodioides		1	1					1	1				1						1	
Chenopodium rubrum									1											
Crassula helmsii																				
Epilobium hirsutum																				
Galium palustre					1															
Glaux maritima																				
Inula crithmoides																				
Juncus effusus		1				1														
Juncus inflexus		1			1	1				1	1			1	1		1		1	
Juncus gerardii			1	1		1	1					1	1	1				1	1	1
Juncus maritima			1			1														
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica					1															
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara																				
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*					1															
Ditch choked					1										1					
Ditch dry (N=near dry)						1	1			1		1		1	N		1		1	1
Width (nearest metre)	4	3	6	4	4	2	2	6	8	2	4	2	5	2	3	3	2	3	3	1
land use north / east	P	P	P	P	U	U	P	P	P	P	P	P	P	P	P	P	P	P	P	P
land use south / west	P	P	P	P	F	H	P	P	P	P	F	P	P	P	F	P	P	P	P	P
Conductivity (µScm x 100)	46	19	98	54	45			46	48		23		58		13	64		37		

Ditch Number	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440
Number of aquatic species	1	4	0	6	4	0	0	4	3	0	5	0	0	0	1	0	0	7	1	0
Number of emergent species	1	4	3	2	4	0	1	2	3	1	4	1	2	2	2	1	1	3	2	2
Number of bank species	0	4	3	2	5	4	1	3	2	1	2	1	3	2	1	0	1	2	3	1
Total number of species	2	12	6	10	13	4	2	9	8	2	11	2	5	4	4	1	2	12	6	3

† **Excluded from totals**
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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English Nature 1995

Ditch number	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480
Azolla filiculoides																				
Callitriche obtusangula			1																	
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum	1				1		1	1		1				1		1		1	1	
Elodea canadensis																				
Elodea nuttallii														A						
Enteromorpha sp†	1						1											1		
Filamentous algae†	1				1		1				1			1		1			1	
Groenlandia densa																				
Hydrocharis morsus-ranae							1													
Lemna gibba																1				
Lemna miniscula																				
Lemna minor	1				1		1				1			1		1		1		
Lemna trisulca							1							1		1				
Myriophyllum spicatum							1											1		
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus														1						
Potamogeton natans																				
Potamogeton pectinatus	1		1		1	1	1	1			1					1		1	1	
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica							1													
Apium nodiflorum																				
Berula erecta																				
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris														1						
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*			3	3			2		3				3				1			2
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris																				
Scirpus maritimus*	2	3			2	2	2	2		2	2	2		1	3	2	3	2	2	1
Sparganium erectum														1						
Typha angustifolia														1						
Typha latifolia							1													
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata	1	1			1	1		1		1		1			1		1		1	
Aster tripolium																				
Carex divisa							1													
Carex otrubae														1						1
Carex distans																				
Chenopodium chenopodioides	1		1		1	1		1				1	1		1		1	1	1	
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum																				
Galium palustre																				
Glaux maritima												1			1					
Inula crithmoides																				
Juncus effusus																				
Juncus inflexus														1						
Juncus gerardii	1	1			1	1		1			1	1			1		1	1	1	1
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis						1														
Pulicaria dysenterica																				
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara														1						
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*														2						
Ditch choked		1												1			1			
Ditch dry (N=near dry)		1										1			1		1			
Width (nearest metre)	3	3	6	4	3	4	6	5	6	6	3	2	2	3	3	4	4	3	3	4
land use north / east	P	P	P	P	P	P	P	P	U	U	P	P	U	P	P	P	P	P	P	P
land use south / west	P	P	P	P	P	P	P	P	U	F	P	P	U	A	P	P	P	P	P	P
Conductivity (µScm x 100)	65		53	31	62	51	39	55	61	67	51		82	11		48		55	55	43

Ditch Number	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480
Number of aquatic species	3	0	2	0	3	1	6	2	0	1	2	0	0	5	0	5	0	4	2	0
Number of emergent species	1	1	1	1	1	1	4	1	1	1	1	1	1	4	1	1	2	1	1	2
Number of bank species	3	2	1	0	3	4	1	3	0	1	1	4	1	3	4	0	3	2	3	2
Total number of species	7	3	4	1	7	6	11	6	1	3	4	5	2	12	5	6	5	7	6	4

† Excluded from totals
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Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch number	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460
Azolla filiculoides																				
Callitriche obtusangula	1			1												1	1			
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum			1		1						1					1				1
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†						D		1						1		1				
Filamentous algae†				1								1								
Groenlandia densa																				
Hydrocharis morsus-ranae						1														
Lemna gibba				1																
Lemna miniscula																				
Lemna minor				1		1						1		1		1				
Lemna trisulca			1	1																
Myriophyllum spicatum			1		1									1			1			1
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus			1	1					1							1	1		1	
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii				1					1											
Ranunculus trichophyllus																	1			
Ranunculus seedling									1											
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris														1						
Alisma plantago-aquatica						1								1						
Apium nodiflorum												1								
Berula erecta						1														
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris	1			1			1				1			1						
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg						1														
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*		3	3	1		2						3		2	3	2	2			
Ranunculus flammula																				
Ranunculus sceleratus																	1			
Rumex hydrolapathum																				
Scirpus lacustris						1										1				
Scirpus maritimus*	2			2	2		2	3	2	2	3			2		3		2	1	2
Sparganium erectum											- 1			1						
Typha angustifolia		1																		
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata				1										1						
Veronica scutellata																				
Grass dom (Agro/Alop)†													1							
Atriplex hastata				1	1				1					1				1	1	1
Aster tripolium																				
Carex divisa						1								1						1
Carex otrubae				1				1						1						
Carex distans																				
Chenopodium chenopodioides					1				1	1				1				1	1	1
Chenopodium rubrum																		1		1
Crassula helmsii																				
Epilobium hirsutum																				
Galium palustre																				
Glaux maritima					1													1		
Inula crithmoides																				
Juncus effusus		1																		
Juncus inflexus		1	1																	
Juncus gerardii	1				1		1	1	1	1				1				1	1	1
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica											1			1						
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii														1						
Polypogon monspeliensis																				
Pulicaria dysenterica											1									
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara	1		1								1									
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*												1			2					
Ditch choked											1	1			1					
Ditch dry (N=near dry)	1						1	N		1	1		1	N	1					
Width (nearest metre)	3	3	2	3	4	4	2	3	3	1	3	3	1	3	1	3	4	5	3	5
land use north / east	P	P	P	P	U	P	P	P	P	P	U	F	P	U	F	P	P	F	P	U
land use south / west	F	P	U	P	P	P	P	P	P	P	U	P	P	U	A	H	P	P	P	P
Conductivity (µScm x 100)		39	31	42	50	36		63	48			12		43		22	38	63	67	62

Ditch Number	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460
Number of aquatic species	1	0	4	6	2	2	0	0	3	0	1	1	0	3	0	4	4	0	1	2
Number of emergent species	2	2	1	4	1	5	2	1	1	1	3	2	0	6	1	3	2	1	1	1
Number of bank species	2	2	2	2	4	1	1	2	3	2	3	0	0	7	0	0	0	5	3	5
Total number of species	5	4	7	12	7	8	3	3	7	3	7	3	0	16	1	7	6	6	5	8

† Excluded from totals
D = dominant A = abundant
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Ditch number	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500
Azolla filiculoides															1					
Callitriche obtusangula						1							1							
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum		1																1		
Elodea canadensis																				
Elodea nuttallii									1											1
Enteromorpha sp†																				
Filamentous algae†		1		1					1						1					
Groenlandia densa																				
Hydrocharis morsus-ranae															1					
Lemna gibba																				
Lemna miniscula																				
Lemna minor				1					1				1		1					1
Lemna trisulca									1						1					1
Myriophyllum spicatum						1									1					1
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus		1	1	1		1		1	1		1		1		1			1	1	
Potamogeton pusillus/berchtoldii		1																		
Ranunculus baudotii															1					
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica									1						1					1
Apium nodiflorum																				
Berula erecta									1											1
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris									1											1
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus									1											
Nasturtium officinale agg									1											1
Oenanthe aquatica																				
Oenanthe fistulosa									1											
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*		1				2							3	3	2					
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris						1														
Scirpus maritimus*		2	2	2	3	2	3	2	1	3	2	1	3	3	2	2		2	2	2
Sparganium erectum									1											1
Typha angustifolia															1					
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				1
Veronica scutellata																				
Grass dom (Agro/Alop)†	1																			
Atriplex hastata		1		1	1		1	1			1					1		1	1	
Aster tripolium																				
Carex divisa						1														
Carex otrubae																				
Carex distans																				
Chenopodium chenopodioides	1	1	1	1	1		1			1	1	1	1			1		1		
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum																				
Galium palustre																				
Glaux maritima																		1	1	
Inula crithmoides																				
Juncus effusus									1											
Juncus inflexus									1											
Juncus gerardii		1	1	1	1		1	1			1	1				1	1	1	1	
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica									1											
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																		1		
Pulicaria dysenterica																				
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara																				
Spartina anglica																				
Spergularia marina	1					1						1				1				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*																				
Ditch choked							1													
Ditch dry (N=near dry)	1						1					1				1				
Width (nearest metre)	1	4	5	4	4	4	3	4	3	8	3	2	4	8	6	2	3	4	4	5
land use north / east	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
land use south / west	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Conductivity (µScm x 100)		38	50	50	108	38		54	18	45	143		49	44	43		76	53	56	14

Ditch Number	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500
Number of aquatic species	0	3	1	2	0	3	0	1	4	0	1	0	3	0	7	0	0	2	1	4
Number of emergent species	0	2	1	1	1	3	1	1	8	1	1	1	2	2	4	1	0	1	1	7
Number of bank species	2	3	2	3	3	2	3	2	3	1	3	3	1	0	0	4	1	5	3	0
Total number of species	2	8	4	6	4	8	4	4	15	2	5	4	6	2	11	5	1	8	5	11

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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English Nature 1995

Ditch number	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520
Azolla filiculoides																				
Callitriche obtusangula																				1
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum																				
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†												1							1	1
Filamentous algae†		1																	1	1
Groenlandia densa																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna miniscula																				
Lemna minor		1										1								
Lemna trisulca		1																		
Myriophyllum spicatum																				
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus			1		1						1	1	1	1		1	1			
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling												1								
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica		1																		
Apium nodiflorum																				
Berula erecta		1																		
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																			1	1
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus		1																		
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*		2												3	2					
Ranunculus flammula																				
Ranunculus sceleratus														3						
Rumex hydrolapathum																				
Scirpus lacustris		1										1								
Scirpus maritimus*	2		2	2	2	3	3	2	1		2	2	2		1	2	2	3		
Sparganium erectum		1																		
Typha angustifolia																				
Typha latifolia		1																		
Veronica anagallis-aquatica																				1
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†										1										
Atriplex hastata				1			1		1			1		1						
Aster tripolium																				
Carex divisa					1															1
Carex otrubae		1																		
Carex distans																				
Chenopodium chenopodioides	1			1	1			1			1	1	1	1	1	1	1	1		
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum																				
Galium palustre																				
Glaux maritima																				
Inula crithmoides																				
Juncus effusus		1																		
Juncus inflexus		1													1					
Juncus gerardii	1		1	1	1	1		1	1		1	1	1	1	1	1	1	1		
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis			1										1			1	1			
Pulicaria dysenterica																				
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara																				
Spartina anglica																				
Spergularia marina									1							1				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*																				
Ditch choked		1																		
Ditch dry (N=near dry)	1					1			1	1								1		
Width (nearest metre)	6	3	3	6	3	2	3	7	2	2	5	6	5	3	4	4	4	2	7·	7
land use north / east	P	F	P	P	P	P	P	P	P	P	P	P	P	P	U	P	P	P	P	P
land use south / west	P	A	P	P	P	P	U	P	P	P	P	P	P	U	U	P	P	P	P	P
Conductivity (µScm x 100)		9	60	83	57		199+	62			50	63	52	199+	70	68	53		7	7

Ditch Number	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520
Number of aquatic species	0	2	1	0	1	0	0	0	0	0	1	3	1	1	0	1	1	0	0	1
Number of emergent species	1	7	1	1	1	1	1	1	1	0	1	2	1	2	2	1	1	1	1	2
Number of bank species	2	3	2	3	3	1	1	2	3	0	2	3	3	3	3	4	3	2	0	1
Total number of species	3	12	4	4	5	2	2	3	4	0	4	8	5	6	5	6	5	3	1	4

† **Excluded from totals**
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

Medway Estuary & Marshes SSSI and The Swale SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540
Azolla filiculoides																				
Callitriche obtusangula																				
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum												1								
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†					1							1								
Filamentous algae†												D								
Groenlandia densa																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna miniscula																				
Lemna minor												1								
Lemna trisulca																				
Myriophyllum spicatum																				
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus					1		1		1	1				1		1				
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica	1																			
Apium nodiflorum																				
Berula erecta																				
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa	1																			
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*											3									3
Ranunculus flammula																				
Ranunculus sceleratus											1									
Rumex hydrolapathum																				
Scirpus lacustris	1																			
Scirpus maritimus*	2		3	3	2	1	2	1	2	2	2	2	1	2		2		1		3
Sparganium erectum	1																			
Typha angustifolia	1										1									
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata			1	1	1	1			1	1	1		1	1		1	1	1	1	
Aster tripolium																				
Carex divisa																				
Carex otrubae																				
Carex distans																				
Chenopodium chenopodioides			1	1	1	1	1	1	1	1	1		1	1			1	1	1	
Chenopodium rubrum																	1	1	1	
Crassula helmsii																				
Epilobium hirsutum																				
Galium palustre																				
Glaux maritima					1	1	1													
Inula crithmoides																				
Juncus effusus																				
Juncus inflexus																				
Juncus gerardii			1	1	1	1	1	1	1	1			1	1		1	1	1	1	
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis							1						1	1		1				
Pulicaria dysenterica																				
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara																				
Spartina anglica																				
Spergularia marina													1							
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*																				
Ditch choked	1		1	1																
Ditch dry (N=near dry)	1	1	1	1									1		1		1	1		
Width (nearest metre)	2	2	4	5	3	10	4	20	2	5	4	5	3	4	5	4	4	6	20	3
land use north / east	F	P	P	A	P	P	P	P	P	P	U	P	P	P	P	P	P	P	P	
land use south / west	A	P	P	P	P	P	P	P	U	P	U	P	P	P	P	P	P	P	P	P
Conductivity (µScm x 100)					91	60	68	63	199+	62	66	94		78		108			62	62

Ditch Number	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540
Number of aquatic species	0	0	0	0	1	0	1	0	1	1	0	2	0	1	0	1	0	0	0	0
Number of emergent species	6	0	1	1	1	1	1	1	1	1	4	1	1	1	0	1	0	1	0	2
Number of bank species	0	0	3	3	4	4	4	2	3	3	2	0	5	4	0	3	4	4	4	0
Total number of species	6	0	4	4	6	5	6	3	5	5	6	3	6	6	0	5	4	5	4	2

† **Excluded from totals**
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

Medway Estuary & Marshes SSSI and The Swale SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560
Azolla filiculoides																				
Callitriche obtusangula																				1
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum																	1			1
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†																				
Filamentous algae†																	1			
Groenlandia densa																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna miniscula																				
Lemna minor														1	1	1	1			1
Lemna trisulca															1		1			1
Myriophyllum spicatum																				
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus			1		1						1		1						1	
Potamogeton pusillus/berchtoldii																	1			
Ranunculus baudotii																				1
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum														1						
Berula erecta														1	1					1
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris															1					
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																				1
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*					3			3							3					
Ranunculus flammula																				
Ranunculus sceleratus														1		1				1
Rumex hydrolapathum															1					
Scirpus lacustris														1	1					
Scirpus maritimus*	2	3	2	2			3	2	2		3	3			1	1			3	
Sparganium erectum														D		1	1			1
Typha angustifolia								1									1			D
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				1
Veronica scutellata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata	1		1	1		1		1												
Aster tripolium																				
Carex divisa																				
Carex otrubae															1		1			
Carex distans																				
Chenopodium chenopodioides	1	1	1	1	1	1	1	1	1	1	1	1							1	
Chenopodium rubrum		1							1			1							1	
Crassula helmsii																				
Epilobium hirsutum															1					
Galium palustre																				1
Glaux maritima			1	1			1													
Inula crithmoides																				
Juncus effusus																				
Juncus inflexus														1	1		1			1
Juncus gerardii	1		1	1				1	1	1			1						1	
Juncus maritima																				
Lycopus europaeus															1					
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara																				
Spartina anglica																				
Spergularia marina							1	1												
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*															1	1				
Ditch choked								1						1	1					1
Ditch dry (N=near dry)		N		1					1			1		1	N			1		
Width (nearest metre)	4	2	4	7	2	40	30	10	10	10	4	6	5	2	10	3	4	2	5	3
land use north / east	P	U	P	P	P	P	P	U	P	P		P	P	P	F	P	P	P	P	P
land use south / west	P	U	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Conductivity (µScm x 100)	197	90	129		62	68	199+	123		85	111		68		28	13	12		56	10

Ditch Number	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560
Number of aquatic species	0	0	1	0	1	0	0	0	0	0	1	0	1	1	2	1	4	0	1	5
Number of emergent species	1	1	1	1	1	0	1	3	1	0	1	1	0	5	6	3	2	0	1	6
Number of bank species	3	2	4	4	1	2	3	4	3	2	1	2	1	1	4	0	2	0	3	2
Total number of species	4	3	6	5	3	2	4	7	4	2	3	3	2	7	12	4	8	0	5	13

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

Medway Estuary & Marshes SSSI and The Swale SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580
Azolla filiculoides																				
Callitriche obtusangula							1	1					1							
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum							1	1									1		D	1
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†																				1
Filamentous algae†								1									1		1	1
Groenlandia densa																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna miniscula																				
Lemna minor							1	1			1			1					1	1
Lemna trisulca							1	1											1	1
Myriophyllum spicatum																				
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus				1	1		1								1	1		1		1
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii							1	1												
Ranunculus trichophyllus																				
Ranunculus seedling	1																			
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica								1												
Apium nodiflorum								1									1			
Berula erecta	1						1	1						1			1		1	1
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris	1						1	1					1				1		1	1
Equisetum fluviatile																				
Glyceria fluitans	1						1													
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg							1												1	1
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*		3	1					1				3					1			1
Ranunculus flammula																				
Ranunculus sceleratus	1		1				1				1		1							
Rumex hydrolapathum																				
Scirpus lacustris	1						1						1	1					1	1
Scirpus maritimus*				3	2	3	1	1	3	3		3	1		3	2		3		
Sparganium erectum			1					1			1		1				1		1	1
Typha angustifolia								1						1					1	
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata								1												
Veronica scutellata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata		1								1			1					1		
Aster tripolium																				
Carex divisa																				
Carex otrubae	1						1												1	1
Carex distans																				
Chenopodium chenopodioides				1	1				1	1					1	1		1		
Chenopodium rubrum																1		1		
Crassula helmsii																				
Epilobium hirsutum														1						
Galium palustre							1													
Glaux maritima																				
Inula crithmoides																				
Juncus effusus																				
Juncus inflexus	1		1				1	1			1		1	1			1			1
Juncus gerardii										1						1				
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa							1										1			
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara								1												
Spartina anglica																				
Spergularia marina													1							
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																			1	
Scrub cover*														2						
Ditch choked														1						
Ditch dry (N=near dry)	1			N				N		1		1	1	N						
Width (nearest metre)	4	3	3	2	4	12	3	2	3	2	3	2	3	3	4	5	4	4	5	3
land use north / east	P	P	P	P		H	P	P	P	P	P	P	P	P	P	P	P	P	P	P
land use south / west	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Conductivity (µScm x 100)		65	17	112	52	85	20	13	96		14			43	98	61	14	103	15	4

Ditch Number	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580
Number of aquatic species	1	0	0	1	1	0	6	5	0	0	1	0	1	1	1	1	1	1	3	4
Number of emergent species	5	1	3	1	1	1	7	9	1	1	2	2	5	3	1	1	5	1	6	6
Number of bank species	2	1	1	1	1	0	4	2	1	3	1	0	3	2	1	3	2	3	2	2
Total number of species	8	2	4	3	3	1	17	16	2	4	4	2	9	6	3	5	8	5	11	12

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

Medway Estuary & Marshes SSSI and The Swale SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600
Azolla filiculoides																				
Callitriche obtusangula										1										
Callitriche stagnalis/spp																				
Ceratophyllum demersum									1											
Ceratophyllum submersum				1				D		1					D					1
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†				1											1					
Filamentous algae†				1				1	1	1			1	1	1			1		A
Groenlandia densa																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna miniscula																				
Lemna minor				1				1	1	1				1	1					1
Lemna trisulca				1					1						1					1
Myriophyllum spicatum			1										1							
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus														1						1
Potamogeton natans																				
Potamogeton pectinatus		1	1	1	1	1			1		1		1	1	1			1	1	1
Potamogeton pusillus/berchtoldii									1											
Ranunculus baudotii															1					
Ranunculus trichophyllus			1																	
Ranunculus seedling																				
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica														1						
Apium nodiflorum																				
Berula erecta				1				1	1	1					1					1
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris				1				1	1	1					1					1
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus				1						1				1	1					
Nasturtium officinale agg				1				1	1	1					1					
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*	3							1		2				1						
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris							1													
Scirpus maritimus*		3	2		3	2	2		1		3	1	3		1		2	2	2	
Sparganium erectum				1				1	1	1				1	1					
Typha angustifolia																				
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†												1								
Atriplex hastata																1	1		1	
Aster tripolium																				
Carex divisa															1	1				1
Carex otrubae								1	1	1					1					
Carex distans																				
Chenopodium chenopodioides		1	1		1	1	1				1	1	1			1	1	1	1	
Chenopodium rubrum		1	1		1		1				1	1	1			1			1	
Crassula helmsii																				
Epilobium hirsutum																				
Galium palustre										1										
Glaux maritima			1		1						1	1						1	1	
Inula crithmoides																				
Juncus effusus																				
Juncus inflexus								1		1				1						
Juncus gerardii		1	1		1		1		1			1	1			1	1	1		
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica														1						
Myosotis cespitosa										1										
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica										1				1						
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara																				
Spartina anglica																				
Spergularia marina												1	1						1	
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre				1											1					
Scrub cover*														1						
Ditch choked	1																			
Ditch dry (N=near dry)												1					1	N		
Width (nearest metre)	2	4	4	4	3	5	8	4	4	3	8	3	4	3	5	6	3	4	4	4
land use north / east	P	P		P	P	P	P	P	P	P	P	P		P	P	U	P	P	P	P
land use south / west	F	P	P	P	P	P	P	P	P	F	P	P	P	F	P	U	P	P	P	P
Conductivity (µScm x 100)	199+	60	67	6	71	110	56	15	18	15	88		61	10	5	84		99	77	5

Ditch Number	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600
Number of aquatic species	0	1	3	4	1	1	0	2	5	3	1	0	2	3	5	0	0	1	1	5
Number of emergent species	1	1	1	5	1	1	2	5	5	6	1	1	1	4	6	0	1	1	1	2
Number of bank species	0	3	4	1	4	1	3	2	2	5	3	5	4	3	3	5	3	3	5	1
Total number of species	1	5	8	10	6	3	5	9	12	14	5	6	7	10	14	5	4	5	7	8

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

Medway Estuary & Marshes SSSI and The Swale SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620
Azolla filiculoides																				
Callitriche obtusangula			1				1				1		1					1		
Callitriche stagnalis/spp																				
Ceratophyllum demersum		1				1														
Ceratophyllum submersum	1	1				1					1		1	D				1	1	
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†													1							
Filamentous algae†	1	1	A			1	D			1	1		A	1		1			1	
Groenlandia densa			1										1							
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna miniscula																				
Lemna minor	1	1	1			1	1			1	1		1	1		1		1	1	
Lemna trisulca	1	1				1	1				1			1		1		1	1	
Myriophyllum spicatum																				
Myriophyllum verticillatum			1										1							
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus	1	1			1	1			1											
Potamogeton pusillus/berchtoldii						1														
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling																			1	
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum			1							1			1	1					1	
Berula erecta		1				1	1			1	1			1		1		1	1	
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris		1				1	1			1	1					1		1	1	
Equisetum fluviatile							1													
Glyceria fluitans																				
Glyceria maxima			1				1						1							
Hippuris vulgaris						1				1										
Iris pseudacorus																				
Juncus articulatus			1			1	1			1				1					1	
Nasturtium officinale agg	1	1				1	1				1		1					1	1	
Oenanthe aquatica																				
Oenanthe fistulosa						1				1						1				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*	2										2			1		3		2	2	
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris						1				1				1		1		1		
Scirpus maritimus*				3	2			2	2	1		2		1	3		3	1		3
Sparganium erectum		1	1			1				1								1	1	
Typha angustifolia																1				
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata													1							
Veronica scutellata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata					1							1			1		1			
Aster tripolium																				
Carex divisa		1				1								1		1			1	
Carex otrubae	1	1				1	1			1	1								1	
Carex distans																				
Chenopodium chenopodioides				1	1				1			1			1		1			
Chenopodium rubrum					1															
Crassula helmsii																				
Epilobium hirsutum																				
Galium palustre				1																
Glaux maritima					1				1											
Inula crithmoides																				
Juncus effusus																				
Juncus inflexus																				
Juncus gerardii		1				1		2	1			1			1		1			1
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa			1										1						1	
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara																				
Spartina anglica																				
Spergularia marina				1					1			1								
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre						1	1									1			1	
Scrub cover*	2																			
Ditch choked															1	1				1
Ditch dry (N=near dry)															1		1			1
Width (nearest metre)	4	5	6	15	4	5	4	10	4	4	4	10	7	4	2	4	3	5	3	8
land use north / east	P	P	P	P	H	P	P	P	P	P	P	P	P	P	P	P	P	P	P	U
land use south / west	U	P	P	P	P	P	P	U	P	P	P	P	P	P	P	P	P	P	P	U
Conductivity (µScm x 100)	7	6	7	92	86	15	7	88	90	17	6	74	7	6		7		7	6	

Ditch Number	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620
Number of aquatic species	4	5	4	0	1	6	3	0	1	1	4	0	5	3	0	2	0	4	4	0
Number of emergent species	2	4	4	1	1	8	6	1	1	9	4	1	4	6	1	6	1	7	7	1
Number of bank species	1	3	1	3	4	4	2	1	4	1	1	4	1	1	3	2	3	0	4	1
Total number of species	7	12	9	4	6	18	11	2	6	11	9	5	10	10	4	10	4	11	15	2

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

Medway Estuary & Marshes SSSI and The Swale SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640
Azolla filiculoides																				
Callitriche obtusangula			1									1		1					1	
Callitriche stagnalis/spp																				
Ceratophyllum demersum		1																		
Ceratophyllum submersum	1	1	1	1																
Elodea canadensis			1																	
Elodea nuttallii																				
Enteromorpha sp†	A		1	1				1						1					1	1
Filamentous algae†		1	1	1				1				1		1						
Groenlandia densa																				
Hydrocharis morsus-ranae																				
Lemna gibba				1																
Lemna miniscula																				
Lemna minor	1	1	1	1				1												
Lemna trisulca	1	1	1																	
Myriophyllum spicatum			1																	
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans								1												
Potamogeton pectinatus				1	1	1														1
Potamogeton pusillus/berchtoldii				1																
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris			1																	
Alisma plantago-aquatica			1																1	
Apium nodiflorum	1		1					1						1						
Berula erecta	1	1		1								1				1			1	1
Butomus umbellatus																				
Carex riparia		1	1						1		1				1		1		1	1
Eleocharis palustris		1	1	1								1								
Equisetum fluviatile			1																	
Glyceria fluitans																				
Glyceria maxima												1				1				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus	1																			
Nasturtium officinale agg	1															1				
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*	2	2	3					3	2	3	3		1	3	3		1	2	3	3
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum												1		1						
Scirpus lacustris		1		1				1												
Scirpus maritimus*		1		1	2	2	3			1		1		2				2	1	
Sparganium erectum			1					1						1						
Typha angustifolia																				
Typha latifolia																	1			
Veronica anagallis-aquatica																				
Veronica catenata								1				1								
Veronica scutellata																				
Grass dom (Agro/Alop)†													1		1					
Atriplex hastata																				
Aster tripolium																				
Carex divisa		1		1																
Carex otrubae								1												
Carex distans																				
Chenopodium chenopodioides																				
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum			1																1	
Galium palustre																				
Glaux maritima					1		1													
Inula crithmoides																				
Juncus effusus																				1
Juncus inflexus		1	1					1					1		1	1			1	1
Juncus gerardii				1	1	1	1											1		
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica			1					1				1								1
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																	1			
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara								1									1			
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*										1			1		1		2		1	
Ditch choked									1		1				1	1	1		1	1
Ditch dry (N=near dry)							1		1	1	1		1		1		1	1	.	
Width (nearest metre)	4	5	4		15	10	3	6	2	1	3	12	1	10	1	3	2	5	3	3
land use north / east	P	P	H		P	P	P	P	P	H	P	H	P	P	P	P	P	P	P	P
land use south / west	P	P	A		P	P	P	A	P	H	P	U	P	A	P	P	P	P	P	P
Conductivity (µScm x 100)	6	12	10		95	93		9				10		6		12			12	17

Ditch Number	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640
Number of aquatic species	3	4	7	5	1	1	0	2	0	0	0	1	0	1	0	0	0	0	1	1
Number of emergent species	5	6	7	4	1	1	1	5	2	2	2	6	1	5	2	3	3	2	5	3
Number of bank species	0	2	3	2	2	1	2	4	0	0	0	1	1	0	1	1	2	1	2	3
Total number of species	8	12	17	11	4	3	3	11	2	2	2	8	2	6	3	4	5	3	8	7

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

Medway Estuary & Marshes SSSI and The Swale SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660
Azolla filiculoides																				
Callitriche obtusangula											1								1	
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum			1										1				1			1
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†	1				1										1				1	
Filamentous algae†			1				1				1	1	1		1					
Groenlandia densa																				
Hydrocharis morsus-ranae												1			1		1			1
Lemna gibba																				
Lemna miniscula																				
Lemna minor	1		1		1		1					1	1		1		1		1	1
Lemna trisulca					1		1						1				1		1	1
Myriophyllum spicatum																				
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus													1							
Potamogeton pusillus/berchtoldii																				1
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling			1																	
Spirodela polyrhiza																				
Utricularia vulgaris												1								
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum			1				1					1			1		1	1		1
Berula erecta			1			1	1				1	1	1			1	1			1
Butomus umbellatus																				
Carex riparia		1				1	1			1								1		
Eleocharis palustris	1		1												1				1	
Equisetum fluviatile	1						1												1	
Glyceria fluitans																				
Glyceria maxima	1				1		1			1	1				1			1	1	1
Hippuris vulgaris					1															
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg					1		1												1	
Oenanthe aquatica																				
Oenanthe fistulosa										1		1						1		
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*		2	3			3			3	3	3	2	2		1		2	1	2	
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum												1			1					1
Scirpus lacustris																				
Scirpus maritimus*														1		1		1		
Sparganium erectum																	1			1
Typha angustifolia																				
Typha latifolia	1																			
Veronica anagallis-aquatica																				
Veronica catenata					1															
Veronica scutellata																				
Grass dom (Agro/Alop)†				1										1		1		1		
Atriplex hastata																				
Aster tripolium																				
Carex divisa																				
Carex otrubae										1										
Carex distans																				
Chenopodium chenopodioides																				
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum	1						1												1	
Galium palustre																	1			
Glaux maritima																				
Inula crithmoides																				
Juncus effusus																				
Juncus inflexus	1		1	1		1	1		1	1	1	1	1	1	1	1	1	1	1	1
Juncus gerardii																				
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica					1	1						1			1				1	
Myosotis cespitosa																	1			1
Myosotis scorpioides					1														1	
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara																				
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*		1																		
Ditch choked			1			1			1									1		
Ditch dry (N=near dry)		1		1				1	1					1		1		1		
Width (nearest metre)	8	3	3	4	7	4	8	3	2	1	8	5	4	2	8	1	4	3	8	6
land use north / east	P	P	P	P	S	P	U	P	P	P	U	P	P	P	P	P	P	S	S	P
land use south / west	P	P	S	P	P	P	U	P	P	P	U	P	S	P	P	P	P	P	P	P
Conductivity (µScm x 100)	14		40		13	6	12			8	11	5	15		4		4		13	0

Ditch Number	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660
Number of aquatic species	1	0	3	0	2	0	2	0	0	0	1	3	4	0	2	0	4	0	3	5
Number of emergent species	4	2	4	0	4	3	6	0	1	4	3	5	2	1	5	2	4	6	5	5
Number of bank species	2	0	1	1	2	2	2	0	1	2	1	2	1	1	2	1	3	1	4	2
Total number of species	7	2	8	1	8	5	10	0	2	6	5	10	7	2	9	3	11	7	12	12

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

Medway Estuary & Marshes SSSI and The Swale SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680
Azolla filiculoides																				
Callitriche obtusangula	1									1				1						1
Callitriche stagnalis/spp																				
Ceratophyllum demersum		1						1												
Ceratophyllum submersum			1	1		1	1											1		
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†	1								1								1			
Filamentous algae†		1	1	1	1		1		1	1	1		1	1	1		1	1	1	1
Groenlandia densa																				
Hydrocharis morsus-ranae		1		1		1		1	1								1			
Lemna gibba																				
Lemna miniscula																				
Lemna minor	1	1	1	1	1	1	1		1	1	1		1	1	1		1	1		1
Lemna trisulca		1	1	1	1	1	1	1	1	1	1		1	1	1			1	1	
Myriophyllum spicatum	1	1											1							
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus		1			1		1				1							1		
Potamogeton pusillus/berchtoldii		1																		
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza																				
Utricularia vulgaris		1		1		1		1	1											1
Zannichellia palustris																				
Alisma plantago-aquatica		1																		
Apium nodiflorum		1		1		1		1	1		1			1			1		1	
Berula erecta	1		1	1	1	1	1	1	1	1	1		1	1	1		1		1	1
Butomus umbellatus																				
Carex riparia		1		1			1		1								1			1
Eleocharis palustris		1			1		1													1
Equisetum fluviatile		1															1			
Glyceria fluitans										1										
Glyceria maxima	1		1	1						1										
Hippuris vulgaris										1										
Iris pseudacorus																				
Juncus articulatus				1	1				1	1					1					1
Nasturtium officinale agg	1	1								1				1						1
Oenanthe aquatica																				
Oenanthe fistulosa				1			1		1				1							1
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*	1	1	3	2	1	2	3	2	2		2		2				2		3	3
Ranunculus flammula																				
Ranunculus sceleratus																1				
Rumex hydrolapathum		1	1	1			1	1							1					
Scirpus lacustris				1	1						1		1							
Scirpus maritimus*				1								3				1		3		
Sparganium erectum		1				1				1			1		1					1
Typha angustifolia																				
Typha latifolia																				1
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†												1				1				
Atriplex hastata																				
Aster tripolium																				
Carex divisa							1													
Carex otrubae											1								1	
Carex distans																				
Chenopodium chenopodioides																				
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum																				
Galium palustre					1			1							1					
Glaux maritima																				
Inula crithmoides																				
Juncus effusus																				
Juncus inflexus	1	1	1	1	1	1	1	1	1	1	1		1		1	1	1		1	1
Juncus gerardii																				
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica				1						1					1					1
Myosotis cespitosa				1		1		1									1			
Myosotis scorpioides	1									1				1						
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara																				
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*																2			1	
Ditch choked																			1	
Ditch dry (N=near dry)										1		1				1				
Width (nearest metre)	6	8	5	12	3	6	3	8	12	12	3	1	3	4	5	3	3	2	4	3
land use north / east	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
land use south / west	P	P	S	P	P	H	P	P	P	U	P	P	P	P	P	P	P	P	P	P
Conductivity (µScm x 100)	7	5	13	3	8	6	11	3	4		6		8	5	6		5	61	17	6

Ditch Number	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680
Number of aquatic species	3	8	3	5	3	5	4	4	4	3	3	0	3	3	2	0	2	4	1	3
Number of emergent species	4	9	4	10	5	4	6	4	6	7	4	1	5	3	4	2	5	1	3	9
Number of bank species	2	1	1	3	2	2	2	3	1	3	2	0	1	1	3	1	2	0	2	2
Total number of species	9	18	8	18	10	11	12	11	11	13	9	1	9	7	9	3	9	5	6	14

† **Excluded from totals**
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch number	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700
Azolla filiculoides																				
Callitriche obtusangula	1	1		1	1				1			1				1	1		1	1
Callitriche stagnalis/spp																				
Ceratophyllum demersum																1	1	1		
Ceratophyllum submersum																				1
Elodea canadensis																1				
Elodea nuttallii					1								1			1		1		
Enteromorpha sp†	1				1															
Filamentous algae†	1	1	1	1	1		1		1			1				1	1	1	1	
Groenlandia densa																				
Hydrocharis morsus-ranae	1			1	1		1		1			1	1			1	1	1		
Lemna gibba																				
Lemna miniscula																				
Lemna minor	1	1		1	1		1	1	1			1	1			1	1		1	1
Lemna trisulca	1	1			1				1				1			1			1	1
Myriophyllum spicatum					1															
Myriophyllum verticillatum					1															
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																1				
Potamogeton natans													1			1				
Potamogeton pectinatus			1				1												1	1
Potamogeton pusillus/berchtoldii	1			1	1		1		1				1			1		1		
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling	1	1																		
Spirodela polyrhiza																				
Utricularia vulgaris																1				
Zannichellia palustris							1									1				
Alisma plantago-aquatica							1					1	1			1		1		1
Apium nodiflorum	1							1	1			1	1			1	1		1	
Berula erecta	1	1					1	1	1			1					1	1	1	1
Butomus umbellatus																				
Carex riparia								1								1				
Eleocharis palustris			1										1			1				1
Equisetum fluviatile													1							
Glyceria fluitans																				
Glyceria maxima	1			1	1		1		1				1			1	1	1		
Hippuris vulgaris													1							
Iris pseudacorus																				
Juncus articulatus		1					1					1							1	
Nasturtium officinale agg	1	1		1	1				1			1						1		
Oenanthe aquatica																				
Oenanthe fistulosa									1				1				1			
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*			1			1		1	1			1	1				1	1		
Ranunculus flammula																				
Ranunculus sceleratus	1			1													1			1
Rumex hydrolapathum					1															
Scirpus lacustris											1			1						1
Scirpus maritimus*						3					3			3	2				1	3
Sparganium erectum	1	1		1	1		1			1			1			1	1		1	1
Typha angustifolia																				
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata	1																			
Veronica scutellata	1																			
Grass dom (Agro/Alop)†																				
Atriplex hastata						1					1				1					
Aster tripolium																				
Carex divisa														1	1					
Carex otrubae							1													1
Carex distans																				
Chenopodium chenopodioides													1		1					
Chenopodium rubrum																				
Crassula helmsii		1																		
Epilobium hirsutum																				
Galium palustre									1								1			
Glaux maritima																				
Inula crithmoides																				
Juncus effusus																				
Juncus inflexus		1		1	1		1		1	1		1	1				1	1	1	1
Juncus gerardii															1					
Juncus maritima																				
Lycopus europaeus													1							
Lysimachia nummularia																				
Mentha aquatica													1				1			
Myosotis cespitosa							1		1			1					1	1		
Myosotis scorpioides		1		1	1				1											
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																			1	
Salicornia sp.																				
Samolus valerandi									1											
Solanum dulcamara																				1
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*																				1
Ditch choked						1														
Ditch dry (N=near dry)						1				1										
Width (nearest metre)	12	5	2	10	10	2	6	3	5	3	6	8	5	5	7	4	5	5	6	1
land use north / east	P	P	P	P	P	U	P	P	P	P	P	P	P	P	U	P	P	P	P	P
land use south / west	P	P	P	P	P	A	P	P	P	P	P	P	P	P	U	P	P	P	P	P
Conductivity (µScm x 100)	4	6	41	4	4		4	0	8		29	4		30	199+	3	6	6	10	23

Ditch Number	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700
Number of aquatic species	6	4	1	4	8	0	5	1	5	0	0	3	6	0	0	12	4	4	4	5
Number of emergent species	8	4	2	4	4	2	5	4	6	1	2	6	9	2	1	6	7	5	5	7
Number of bank species	0	3	0	2	2	1	3	0	5	1	1	2	4	1	4	0	4	2	2	3
Total number of species	14	11	3	10	14	3	13	5	16	2	3	11	19	3	5	18	15	11	11	15

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch number	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720
Azolla filiculoides																				
Callitriche obtusangula						1						1		1						
Callitriche stagnalis/spp																				
Ceratophyllum demersum				1			1												1	
Ceratophyllum submersum	1											1				1				1
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†							1													
Filamentous algae†	1					1		1	1					1		1				1
Groenlandia densa																				
Hydrocharis morsus-ranae	1																			
Lemna gibba														1						
Lemna miniscula																				
Lemna minor	1					1		1			1	1		1		1				1
Lemna trisulca				1		1		1			1	1		1		1			1	1
Myriophyllum spicatum																				1
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus									1				1	1		1			1	1
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris				1			1												1	
Alisma plantago-aquatica																				
Apium nodiflorum	1			1				1			1	1					1		1	
Berula erecta	1						1	1	1		1	1		1			1		1	
Butomus umbellatus							1													
Carex riparia																				
Eleocharis palustris																				
Equisetum fluviatile											1	1								
Glyceria fluitans				1													1		1	
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus								1												
Nasturtium officinale agg	1																			
Oenanthe aquatica																				
Oenanthe fistulosa				1			1	1			1						1		1	
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*	1			1		1	1	3			3	1					3		1	
Ranunculus flammula																				
Ranunculus sceleratus						1														
Rumex hydrolapathum																				
Scirpus lacustris						1			1					1						
Scirpus maritimus*		3	2		3	2			3	2			3	3		3		3		3
Sparganium erectum											1	1							1	
Typha angustifolia																				
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata	1											1								
Grass dom (Agro/Alop)†																				
Atriplex hastata		1	1							1								1		
Aster tripolium			1																	
Carex divisa					1				1	1			1							1
Carex otrubae																				
Carex distans																				
Chenopodium chenopodioides			1																	
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum																			1	
Galium palustre								1				1								
Glaux maritima																				
Inula crithmoides																				
Juncus effusus							1												1	
Juncus inflexus				1		1	1	1			1	1	1	1			1		1	1
Juncus gerardii			1							1								1		
Juncus maritima																				
Lycopus europaeus											1				1		1		1	
Lysimachia nummularia																				
Mentha aquatica								1				1								
Myosotis cespitosa	1							1				1								
Myosotis scorpioides																				
Oénanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara																				
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*															3					
Ditch choked		1															1			
Ditch dry (N=near dry)		1	1			1				1					1			1		
Width (nearest metre)	6	4	4	4	3	1	4	4	10	5	7	5	3	2		3	3	4	5	3
land use north / east	P	A	U	P	P	P	P	P	U	U	P	P	P	P	P	H	P	U	P	H
land use south / west	P	U	U	P	P	P	P	P	P	U	P	P	P	P	P	P	P	U	P	P
Conductivity (µScm x 100)	6			5	35		8	7	58		9	6	38	23		62	5		4	51

Ditch Number	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720
Number of aquatic species	3	0	0	3	0	3	2	2	1	0	2	4	1	5	0	4	0	0	4	5
Number of emergent species	5	1	1	4	1	4	4	5	3	1	6	6	1	3	0	1	5	1	6	1
Number of bank species	1	1	4	1	1	1	2	4	1	3	2	4	2	1	1	0	2	2	4	2
Total number of species	9	2	5	8	2	8	8	11	5	4	10	14	4	9	1	5	7	3	14	8

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch number	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740
Azolla filiculoides																				
Callitriche obtusangula															1					
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum			1						1		1			1	1		1	1		
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†																	1			
Filamentous algae†			1	1	1				1		1	1	1		1			1		1
Groenlandia densa																				
Hydrocharis morsus-ranae							1	1												
Lemna gibba				1																
Lemna miniscula																				
Lemna minor			1	1	1	1	1		1		1	1	1	1	1		1	1		
Lemna trisulca			1	1	1				1			1	1	1				1		
Myriophyllum spicatum			1				1				1							1		
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus								1												
Potamogeton natans								1								1				
Potamogeton pectinatus			1	1	1		1	1	1			1	1	1	1		1	1		
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica							1	1				1			1					
Apium nodiflorum						1	1	1			1									
Berula erecta					1	1	1	1				1	1	1	1	1	1	1		
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris							1	1					1			1				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																1				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus							1													
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa							1	1												
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*						2	1		3										3	3
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris		1	1							1		1	1							
Scirpus maritimus*	3	2	3	3	3				1	3	3	2	3	2	3		2	2		2
Sparganium erectum							1	1								1				
Typha angustifolia				1								1		1						1
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				1
Veronica scutellata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata	1	1		.						1										
Aster tripolium																				
Carex divisa					1				1				1							
Carex otrubae												1			1		1			
Carex distans																				
Chenopodium chenopodioides																				1
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum							1													
Galium palustre							1	1												
Glaux maritima																	1			
Inula crithmoides																				
Juncus effusus								1				1				1				
Juncus inflexus			1		1	1	1	1	1		1	1				1				
Juncus gerardii	1									1				1						1
Juncus maritima															1			1		1
Lycopus europaeus							1	1												
Lysimachia nummularia																				
Mentha aquatica						1	1	1								1				
Myosotis cespitosa							1	1												
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica							1													
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara														1						
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*						2						1							1	
Ditch choked	1					1													1	1
Ditch dry (N=near dry)	1	1								1					N				1	N
Width (nearest metre)	2	5	3	2	4	3	4	4	4	2	3	3	3	3	3	3	4	3	4	5
land use north / east	U	U	H	P	H	P	P	P	U	U	P	P	H	H	F	P	P	P	U	P
land use south / west	U	U	P	P	H	P	P	P	H	U	H	P	H	H	P	P	P	P	U	P
Conductivity (µScm x 100)			68	48	42	14	5	4	68		46	39	53	62	47	4	44	48		95

Ditch Number	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740
Number of aquatic species	0	0	5	4	3	1	4	4	4	0	3	3	3	4	4	1	3	5	0	0
Number of emergent species	1	2	2	2	2	3	8	6	2	2	2	5	4	3	3	4	2	2	1	4
Number of bank species	2	1	1	0	2	2	7	6	2	2	1	3	1	2	2	3	2	1	0	3
Total number of species	3	3	8	6	7	6	19	16	8	4	6	11	8	9	9	8	7	8	1	7

† **Excluded from totals**
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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English Nature 1995

Ditch number	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760
Azolla filiculoides																				
Callitriche obtusangula																				
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum		1	1										1				1	1		
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†		1					1			1	1		1	1			1			
Filamentous algae†		1	1								1		1	1					1	1
Groenlandia densa																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna miniscula																				
Lemna minor		1	1	1							1	D	1	1				1	1	1
Lemna trisulca		1	1								1							1	1	1
Myriophyllum spicatum							1			1	1			1		1	1			1
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus		1	1	1			1			1	1		1	1		1	1	1		1
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii											1					1	1			
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum																				
Berula erecta											1	1						1		1
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris							1			1						1	1			
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa																			1	
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*						3														
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris							1													
Scirpus maritimus*	2	2	2	2	3	1	2	3	2	2	2	2	2	2	2	2	2	2	3	2
Sparganium erectum							1			1						1				
Typha angustifolia					1					1						1				
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata	1			1		1		1	1	1					1		1			1
Aster tripolium																				
Carex divisa									1				1							
Carex otrubae							1			1	1			1		1	1			1
Carex distans		1																		
Chenopodium chenopodioides						1	1								1					
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum																				
Galium palustre																				
Glaux maritima																				
Inula crithmoides																				
Juncus effusus																				
Juncus inflexus																				
Juncus gerardii	1	1	1	1		1				1	1	1	1	1	1	1	1	1		
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara											1									
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*											1									1
Ditch choked					1	1														
Ditch dry (N=near dry)					1	1		1	1							N				
Width (nearest metre)	5	4	4	3	1	4	3	2	3	3	3	3	5	3	6	3	3	3	6	3
land use north / east	U	P	P	P	F	P	P	F	F	A	P	P		U	P	A	P	P	P	U
land use south / west	U	P	P	P	P	P	U	U	U	P	U	P	P	P	U	P	P	U	P	P
Conductivity (µScm x 100)	199+	43	55	49			47			49	55	53	44	51	199+	52	39	51	33	52

Ditch Number	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760
Number of aquatic species	0	4	4	2	0	0	2	0	0	2	5	1	3	3	0	3	4	4	2	4
Number of emergent species	1	1	1	1	2	2	4	1	1	4	2	2	1	1	1	4	2	2	2	2
Number of bank species	2	2	1	2	0	3	2	1	2	3	3	1	2	2	3	2	3	1	0	2
Total number of species	3	7	6	5	2	5	8	2	3	9	10	4	6	6	4	9	9	7	4	8

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780
Azolla filiculoides																				
Callitriche obtusangula					1								1		1					
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum											D									
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†	1				1															
Filamentous algae†	D							1	1		1							A		
Groenlandia densa																				
Hydrocharis morsus-ranae										1										
Lemna gibba																				
Lemna miniscula																				
Lemna minor	1							1			1						D			
Lemna trisulca					1			1		1										
Myriophyllum spicatum									1											
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus							1	1	1									1		
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii									1											
Ranunculus trichophyllus																				
Ranunculus seedling	1							1												
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum										1					1					
Berula erecta													1				1			
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris									1											
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris										1										
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																	1			
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*						3				3										3
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum								1												
Scirpus lacustris											1									
Scirpus maritimus*	2	3	2	3	2	2	2	2	2		2	3	3		1			2	2	
Sparganium erectum										1										
Typha angustifolia										1					D					
Typha latifolia																	1			
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata			1	1					1		1	1	1						1	
Aster tripolium																				
Carex divisa	1					1			1											
Carex otrubae										1				1	1					
Carex distans																				
Chenopodium chenopodioides			1	1				1	1											
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum																1	1			
Galium palustre										1										
Glaux maritima																				
Inula crithmoides																				
Juncus effusus																	1			
Juncus inflexus									1	1				1	1		1			1
Juncus gerardii	1	1		1		1	1	1	1									1		
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara																	1			
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*																3	2			1
Ditch choked		1								1				1	1					1
Ditch dry (N=near dry)		1	1	1			N					1	1	1	1	1			1	1.
Width (nearest metre)	4	3	2	3	4	10	5	3	4	3	5	2	5	1	4	3	2	5	2	4
land use north / east	P	P	U	P	P	P	P	P	P	P	U	P	F	A	P	F	P	P	F	P
land use south / west	P	P	U	P	P	P	P	P	P	P	U	U	P	F	P	P	U	P	U	
Conductivity (µScm x 100)	59				58	34	55	48	35	17	35						9	52		

Ditch Number	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780
Number of aquatic species	2	0	0	0	2	0	1	4	3	2	2	0	1	0	1	0	1	1	0	0
Number of emergent species	1	1	1	1	1	2	1	2	2	5	2	1	2	0	3	0	3	1	1	1
Number of bank species	2	1	2	3	0	2	1	2	5	3	1	1	1	2	2	1	4	1	1	1
Total number of species	5	2	3	4	3	4	3	8	10	10	5	2	4	2	6	1	8	3	2	2

† **Excluded from totals**
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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English Nature 1995

Ditch number	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800
Azolla filiculoides																				
Callitriche obtusangula	1							1						1						1
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum																				
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†					1					1			1	1	1		1	1		
Filamentous algae†	1				1	D		1		1	1	1	1	1	1		1	1	1	1
Groenlandia densa																				
Hydrocharis morsus-ranae	1							1												
Lemna gibba							1					1								
Lemna miniscula																				
Lemna minor							1	1				1	1	1				1	D	1
Lemna trisulca							1	1				1	1	1				1	1	1
Myriophyllum spicatum	1							1						1						
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus	1				1		1					1		1	1	1	1			1
Potamogeton pusillus/berchtoldii								1						1						
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling	1																			
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica	1							1						1						
Apium nodiflorum	1						1							1						
Berula erecta	1						1					1	1					1	1	1
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris	1		1				1	1				1								
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																1				
Iris pseudacorus																				
Juncus articulatus												1								
Nasturtium officinale agg								1											1	1
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*			2					3			3						2	1		
Ranunculus flammula																				
Ranunculus sceleratus			1							1				1	1					
Rumex hydrolapathum						1														
Scirpus lacustris	1		1				1			1		1	1			1		1		
Scirpus maritimus*		1	1	2	2	2	1		2	2	1	2	2	2	2	2	2	2		1
Sparganium erectum	2							1					1					1		1
Typha angustifolia	1		D								1							1		
Typha latifolia	1					1				1										
Veronica anagallis-aquatica																				
Veronica catenata	1							1						1						
Veronica scutellata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata		1				1			1	1	1			1			1			
Aster tripolium																				
Carex divisa							1							1						
Carex otrubae	1										1					1				
Carex distans																				
Chenopodium chenopodioides		1		1					1											
Chenopodium rubrum										1				1						
Crassula helmsii																				
Epilobium hirsutum			1																	
Galium palustre																				
Glaux maritima															1		1			
Inula crithmoides																				
Juncus effusus																1				
Juncus inflexus			1				1	1			1					1			1	1
Juncus gerardii		1	1		1				1	1			1		1		1			
Juncus maritima							1													
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																			1	
Salicornia sp.																				
Samolus valerandi									1										1	1
Solanum dulcamara							1													1
Spartina anglica																				
Spergularia marina		1																		
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*																			2	2
Ditch choked	1		1				1				1									
Ditch dry (N=near dry)		1							1											
Width (nearest metre)	4	1	4	20	10	4	2	5	1	4	5	3	2	4	6	4	5	2	3	3
land use north / east	P	P	P	P	U	P	P	P	A	P	P	U	P	P	P	P	P	P	P	P
land use south / west	P	P	U	P	P	U	U	P	F	U	P	P	P	P	P	P	P	U	U	U
Conductivity (µScm x 100)	25		52	199+	99	22	44	19		14	28	9	10	21	118	31	158	10	8	8

Ditch Number	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800
Number of aquatic species	5	0	0	0	1	0	4	6	0	0	0	4	2	6	1	1	1	2	2	4
Number of emergent species	9	1	6	1	1	3	5	6	1	4	3	5	4	5	2	3	2	6	2	4
Number of bank species	1	4	3	1	1	1	4	1	4	3	3	0	1	3	2	3	3	0	3	3
Total number of species	15	5	9	2	3	4	13	13	5	7	6	9	7	14	5	7	6	8	7	11

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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English Nature 1995

Ditch number	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820
Azolla filiculoides																				
Callitriche obtusangula								1					1							
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum											1									
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†																			1	
Filamentous algae†	1		1	1	1			1	1	1			1			1		1	1	
Groenlandia densa																				
Hydrocharis morsus-ranae								1					1							
Lemna gibba					1															
Lemna miniscula																				
Lemna minor	1			1					1	1	1		1			1		1	1	
Lemna trisulca	1			1	1				1	1	1		1					1	1	
Myriophyllum spicatum	1		1								1						1	1	1	
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus	1				1	1			1	1	1		1	1				1		
Potamogeton pusillus/berchtoldii													1					1		
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling								1										1		
Spirodela polyrrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica								1					1							
Apium nodiflorum					1						1								1	
Berula erecta	1			1	1			1	1	1			1			1				
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris	1				1			1		1									1	1
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris								1					1							
Iris pseudacorus																				
Juncus articulatus	1							1					1							
Nasturtium officinale agg								1					1						1	
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*	1								3			3	2	2	3		1		2	
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum													1							
Scirpus lacustris	1			1							1							1	1	
Scirpus maritimus*	2	3	3	3	2	2	3	1		3	2	1	2	1		2	3	1		1
Sparganium erectum					1				3				1							
Typha angustifolia								1												
Typha latifolia	1							1					1							
Veronica anagallis-aquatica																				
Veronica catenata								1					1							
Veronica scutellata																				
Grass dom (Agro/Alop)†		.																		1
Atriplex hastata			1												1	1	1			
Aster tripolium						1														
Carex divisa	1										1		1							
Carex otrubae	1				1			1			1	1								
Carex distans								1					1					1		
Chenopodium chenopodioides																				
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum		1											1							
Galium palustre																				
Glaux maritima						1														
Inula crithmoides																				
Juncus effusus		1																		
Juncus inflexus	1	1			1			1			1	1	1		1				1	1
Juncus gerardii	1					1								1				1		
Juncus maritima										1					1		1			
Lycopus europaeus													1							
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica								1					1							
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara																				
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*		1						1			1		1		2	1		1		
Ditch choked		1					1					1			1					
Ditch dry (N=near dry)		1					1					1			1					1
Width (nearest metre)	3	3	4	2	3	5	4	5	10	2	3	4	10	5	1	2	5	3	5	3
land use north / east	P	F	P	P	P	P	P	P	U	P	P	P	U	U	U	U	P	U	P	P
land use south / west	P	U	P	P	H	P	F	P	P	P	P	P	P	P	P	P	P	P	P	P
Conductivity (µScm x 100)	18		184		19	199+		5	20	11	39		5	199+		17	144	24	27	

Ditch Number	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820
Number of aquatic species	4	0	1	2	3	1	0	3	3	3	5	0	6	1	0	1	1	6	3	0
Number of emergent species	7	1	1	3	5	1	1	10	3	3	3	2	11	2	1	2	2	2	5	2
Number of bank species	4	3	1	0	2	3	0	4	0	1	3	2	6	1	3	1	2	2	1	1
Total number of species	15	4	3	5	10	5	1	17	6	7	11	4	23	4	4	4	5	10	9	3

† **Excluded from totals**
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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English Nature 1995

Ditch number	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840
Azolla filiculoides																				
Callitriche obtusangula				1	1															
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum					1			1			1									
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†					1			1		1	1	1				1				
Filamentous algae†															1					1
Groenlandia densa																				
Hydrocharis morsus-ranae																				
Lemna gibba																			1	
Lemna miniscula																				
Lemna minor		1	1		1	1	1	1		1	1			1	1			1	1	1
Lemna trisulca							1							1	1				1	1
Myriophyllum spicatum									1				1				1			
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus																				
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum				1			1											1		
Berula erecta		1					1							1	1				1	
Butomus umbellatus																				
Carex riparia						1	1				1							1		
Eleocharis palustris				1			1													
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima						1														
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg						1														
Oenanthe aquatica																				
Oenanthe fistulosa			1											1						
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*	3	3	3		3	3	3	1		2	3			3	3	3		3	1	3
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris							1	1				1			1	1				
Scirpus maritimus*	1			1			1	1	3	2		3	3		1	3	3	2		2
Sparganium erectum																				
Typha angustifolia						1	1				1				1					
Typha latifolia		1																		
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata						1			1				1				1			
Aster tripolium																				
Carex divisa																				
Carex otrubae									1											
Carex distans																				
Chenopodium chenopodioides													1							
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum						1														
Galium palustre																				
Glaux maritima																				
Inula crithmoides																				
Juncus effusus																			1	1
Juncus inflexus	1	1	1	1	1		1	1		1	1			1	1			1	1	1
Juncus gerardii																				
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica	1																1			
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara						1			1											
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*	1										1									
Ditch choked		1	1			1	1													
Ditch dry (N=near dry)				1																
Width (nearest metre)	6	2	3	3	6	4	3	10	5	6	2	8	5	2	2	6	5	2	2	2
land use north / east	U	P	P	P	P	U	P	P	P	P	P	P	P	P	P	P	P	P	P	P
land use south / west	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Conductivity (µScm x 100)	170	25	32		28	6	30	26	134	28	26	33	123	27	23	37	129	26	33	28

Ditch Number	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840
Number of aquatic species	0	1	1	1	3	1	2	2	1	1	2	0	1	2	2	0	1	1	3	2
Number of emergent species	2	3	2	3	1	5	8	3	1	2	3	2	1	3	5	3	1	4	2	2
Number of bank species	2	1	1	1	1	3	1	1	3	1	1	0	2	1	1	0	2	1	2	2
Total number of species	4	5	4	5	5	9	11	6	5	4	6	2	4	6	8	3	4	6	7	6

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860
Azolla filiculoides																				
Callitriche obtusangula						1								1						1
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum				1		1			1										1	
Elodea canadensis							1							D						
Elodea nuttallii																				
Enteromorpha sp†												1								
Filamentous algae†		1	1	1			1		1	1		1		1			1	1		1
Groenlandia densa																				
Hydrocharis morsus-ranae							1							1					1	
Lemna gibba																				
Lemna miniscula																				
Lemna minor				1	1	1	1	1	1				1	1	1	1		1	1	1
Lemna trisulca				1		1		1	1	1					1	1		1	1	1
Myriophyllum spicatum	1					1	1					1		1			1			1
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus							1													
Potamogeton natans																				
Potamogeton pectinatus		1	1			1					1	1				1	1			1
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling				1												1				
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica													1			1				
Apium nodiflorum								1												1
Berula erecta				1				1	1	1					1	1		1		
Butomus umbellatus																				
Carex riparia															1					
Eleocharis palustris				1										1		1		1	1	1
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg													1							
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*		2	2	1	3	3		3	2	3	2				1					
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris																1				
Scirpus maritimus*	3	2	2					3			2	2		1	1	1	1	1		2
Sparganium erectum							1						1	1		1			1	
Typha angustifolia																				
Typha latifolia							1													
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata	1																			
Aster tripolium																				
Carex divisa			1				1		1							1				1
Carex otrubae													1	1		1				
Carex distans							1							1						
Chenopodium chenopodioides																				
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum							1													
Galium palustre														1						
Glaux maritima																				
Inula crithmoides																				
Juncus effusus								1								1				
Juncus inflexus		1	1	1		1	1	1	1	1			1	1	1	1		1	1	1
Juncus gerardii																				
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara													1						1	
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*													3			1				
Ditch choked					1			1					1		1	.				
Ditch dry (N=near dry)	1							1							N	N				
Width (nearest metre)	5	3	3	3	1	2	5	1	2	2	3	4	2	4	1	3	3	1	3	3
land use north / east	P	P	P	P	P	P	P	U	P	P	P	A	H	P	P	P	U	P	P	P
land use south / west	P	P	P	P	P	P	A	P	P	P	P	U	A	H	P	P	A	P	H	P
Conductivity (µScm x 100)		161	163	29	84	28	5		35	30	171	97	6	4	40	26	135	53	24	34

Ditch Number	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860
Number of aquatic species	1	1	1	4	1	6	5	2	3	1	1	2	1	5	2	4	2	2	4	5
Number of emergent species	1	2	2	3	1	1	2	4	2	2	2	1	3	3	4	6	1	3	2	3
Number of bank species	1	1	2	1	0	1	4	2	2	1	0	0	3	4	1	4	0	1	2	2
Total number of species	3	4	5	8	2	8	11	8	7	4	3	3	7	12	7	14	3	6	8	10

† **Excluded from totals**
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880
Azolla filiculoides																				
Callitriche obtusangula																				1
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum		1			D			D		1							D			
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†				1												1				
Filamentous algae†					1		1	1		1	1					1	1			
Groenlandia densa																				
Hydrocharis morsus-ranae					1			1									1			
Lemna gibba																				
Lemna miniscula																				
Lemna minor			1		1			1		1			1	1			1			
Lemna trisulca			1					1									1			
Myriophyllum spicatum		1					1			1	1	1	1	1		1				
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus				1			1				1		1	1		1				
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris							1													
Alisma plantago-aquatica					1															
Apium nodiflorum								1		1										
Berula erecta		1	1		1												1			
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris		1			1			1		1	1						1			
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg					1												1			
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																		1		
Phragmites australis*	2		3	2		2	3		3					3	3	3				
Ranunculus flammula																				
Ranunculus sceleratus					1					1										
Rumex hydrolapathum																				
Scirpus lacustris																	1			
Scirpus maritimus*	1	2	1		1		1	2	3	2	2	2	2	1		1	2	1	3	2
Sparganium erectum					1												1	1		1
Typha angustifolia																		1		1
Typha latifolia																			1	
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata									1									1		
Aster tripolium																				
Carex divisa	1				1															
Carex otrubae																		1		
Carex distans																				
Chenopodium chenopodioides									1											
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum																		1		1
Galium palustre																				
Glaux maritima																				
Inula crithmoides																				
Juncus effusus																				
Juncus inflexus			1					1									1	1		
Juncus gerardii			3								1		1							
Juncus maritima																				
Lycopus europaeus									1									1		
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																		1		1
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara																		1		
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre										1										
Scrub cover*																				
Ditch choked														1	1			1	1	
Ditch dry (N=near dry)												1						1	N	1
Width (nearest metre)	3	3	3	4	4	3	3	4	10	4	4	3	20	3	4	3	5	3	8	4
land use north / east	P	P	P	P	P	P	U	P	U	P	P	U	P	P	U	A	P	U	F	A
land use south / west	P	P	P	P	P	P	U	P	U	P	P	A	P	P	P	U	P	U	U	U
Conductivity (µScm x 100)	171	78	34	192	4	182	143	5	150	20	36		29	42	108	97	5		118	

Ditch Number	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880
Number of aquatic species	0	2	2	1	3	0	3	4	0	3	2	1	3	3	0	2	4	0	0	1
Number of emergent species	2	3	3	1	7	1	2	3	2	4	2	1	1	2	1	2	6	4	2	3
Number of bank species	1	0	2	0	1	0	0	1	3	1	1	0	1	0	0	0	1	7	0	2
Total number of species	3	5	7	2	11	1	5	8	5	8	5	2	5	5	1	4	11	11	2	6

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

Medway Estuary & Marshes SSSI and The Swale SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900
Azolla filiculoides																				
Callitriche obtusangula				1			1		1									1		
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum											1	1	1	1					1	1
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†						1				1							1			
Filamentous algae†		1	1			1					1	1	1	1			1		1	1
Groenlandia densa																	1			
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna miniscula																				
Lemna minor	1	1	1	1		1											1			
Lemna trisulca	1			1													1			
Myriophyllum spicatum			1								1	1							1	
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																	1			
Potamogeton natans																				
Potamogeton pectinatus																				
Potamogeton pusillus/berchtoldii																	1			
Ranunculus baudotii			1																	
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris										1										
Alisma plantago-aquatica									1											
Apium nodiflorum	1																			
Berula erecta																1	1			
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris	1		1									1								
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																	1			
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg	1																1			
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*	3			1	3				3	3					3	3	3			
Ranunculus flammula									1											
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris	1			1																
Scirpus maritimus*		3	1	1	3	1	1	1	1	3	1	3	3	3				3	3	3
Sparganium erectum				1			1		1								1	1		
Typha angustifolia		1		1				D												
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata		1			1			1												
Aster tripolium																				
Carex divisa																				
Carex otrubae				1		1	1				1	1						1	1	
Carex distans									1											
Chenopodium chenopodioides					1															
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum							1	1		1							1			
Galium palustre																				
Glaux maritima														1						
Inula crithmoides																				
Juncus effusus				1					1											
Juncus inflexus			1	1		1	1		1											
Juncus gerardii														1						
Juncus maritima																				
Lycopus europaeus							1		1				1					1	1	
Lysimachia nummularia									1											
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides									1											
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica								1	1											
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara		1		1			1													
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*				1				2								1				
Ditch choked	1	1		1				1								1				
Ditch dry (N=near dry)		N		1			1	1	1						1	1		1		
Width (nearest metre)	5	4	4	3	10	2	3	10	2	3	3	4	3	15	5	10	4	5	9	4
land use north / east	U	U	P	P	U	P	A	F	P	A	P	P	U	P	U	F	P	A	P	P
land use south / west	P	U	P	A	U	P	P	U	A	U	P	P	U	P	A	U	U	P	P	P
Conductivity (µScm x 100)	15	30	10		132	8				82	13	10	30	30			11		28	38

Ditch Number	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900
Number of aquatic species	2	1	3	3	0	1	1	0	1	1	2	2	1	1	0	0	5	1	2	1
Number of emergent species	5	2	2	5	2	1	2	2	5	2	1	2	1	1	1	2	5	2	1	1
Number of bank species	0	2	1	4	2	2	5	3	7	1	1	1	1	2	0	0	1	2	2	0
Total number of species	7	5	6	12	4	4	8	5	13	4	4	5	3	4	1	2	11	5	5	2

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

Medway Estuary & Marshes SSSI and The Swale SSSI
Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920
Azolla filiculoides																				
Callitriche obtusangula	1					1			1											
Callitriche stagnalis/spp																				
Ceratophyllum demersum																				
Ceratophyllum submersum			1		1				1			1							1	
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†							1	1						1						
Filamentous algae†	1		1	1	1			1		1	1		1		1					
Groenlandia densa																				
Hydrocharis morsus-ranae																				
Lemna gibba																				
Lemna miniscula																				
Lemna minor		D							1											
Lemna trisulca			1		1							1								
Myriophyllum spicatum							1	1	1	1	1	1	1		1	1			1	
Myriophyllum verticillatum																				
Nymphaea alba																			1	
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus																				
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																			1	
Ranunculus seedling																				
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris							1							1						
Alisma plantago-aquatica		1																		
Apium nodiflorum		1																		
Berula erecta		1																		
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris																				
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima		1																		
Hippuris vulgaris												1								
Iris pseudacorus																				
Juncus articulatus																				
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*		3				3	1	1									2			
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris	1																			
Scirpus maritimus*	3		3		3		3	2	3	3	2	3	3	3	3	3	2	3	3	3
Sparganium erectum																				
Typha angustifolia											1					1				
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																			1	
Veronica scutellata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata																		1		1
Aster tripolium																				
Carex divisa						1							1							
Carex otrubae				1																
Carex distans																				
Chenopodium chenopodioides								1										1	1	
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum																				
Galium palustre																				
Glaux maritima			1					1	1			1								
Inula crithmoides																				
Juncus effusus																				
Juncus inflexus					1			1			1									
Juncus gerardii				1	1			1				1								
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica											1							1		
Salicornia sp.																				
Samolus valerandi						1										1				
Solanum dulcamara		1																		
Spartina anglica																				
Spergularia marina																				
Spergularia media								1												
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*		2																		
Ditch choked																				
Ditch dry (N=near dry)																	1	N		1
Width (nearest metre)	3	2	5	4	5	5	1	4	3	8	5	15	10	2	12	5	5	8	12	3
land use north / east	P	U	P	P	P	P	A	P	P	P	P	U	P	A	P	P	U	U	U	A
land use south / west	P	U	P	P	P	P	U	P	P	P	P	P	P	U	P	P	A	U	P	P
Conductivity (µScm x 100)	36	10	38	30	22	30	27	26	26	27	25	19	23	13	25	23		138	25	

Ditch Number	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920
Number of aquatic species	1	1	2	0	2	1	2	1	4	1	1	3	1	1	1	1	0	0	4	0
Number of emergent species	2	5	1	0	1	1	2	2	1	1	2	2	1	1	1	2	2	1	2	1
Number of bank species	0	1	1	2	2	2	0	5	1	0	2	2	1	0	0	1	0	3	1	1
Total number of species	3	7	4	2	5	4	4	8	6	2	5	7	3	2	2	4	2	4	7	2

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch number	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940
Azolla filiculoides																				
Callitriche obtusangula																				
Callitriche stagnalis/spp																				
Ceratophyllum demersum																	1	1	1	
Ceratophyllum submersum				1																
Elodea canadensis																				
Elodea nuttallii																				
Enteromorpha sp†	1				1												1			
Filamentous algae†	1	1	1	1	1		1													
Groenlandia densa																				
Hydrocharis morsus-ranae																	1			
Lemna gibba																		1		
Lemna miniscula																				
Lemna minor			1	1								1					1	1		
Lemna trisulca												1		1		1	1			
Myriophyllum spicatum	1	1	1	1	1	1	1	1	1											
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus		1	1		1	1		1	1								1			
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza																				
Utricularia vulgaris																				
Zannichellia palustris	1																			
Alisma plantago-aquatica																1				
Apium nodiflorum										1		1	1				1			
Berula erecta												1		1		1	1			
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris												1				1	1			
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus										1										
Nasturtium officinale agg																				
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*							1			3		3	2	3	3		3	3	3	3
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris																1				
Scirpus maritimus*	3	1	3	2	2	1	3	3	3	2	2	1	3			2				
Sparganium erectum										1	1					1				
Typha angustifolia		1																		
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata			1																	
Veronica scutellata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata	1		1	1			1	1	1		1		1							
Aster tripolium																				
Carex divisa				1							1	1					1			1
Carex otrubae										1	1		1						1	
Carex distans																				
Chenopodium chenopodioides					1	1		1	1											
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum										1	1									
Galium palustre																				
Glaux maritima				1		1														
Inula crithmoides																				
Juncus effusus																				
Juncus inflexus											1					1		1		
Juncus gerardii				1		1		1					1							
Juncus maritima																				
Lycopus europaeus					1															
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa																				
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara																				
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*																				
Ditch choked										1			1	1	1		1	1	1	1
Ditch dry (N=near dry)										1		N	1	N	1				N	N
Width (nearest metre)	1	5	12	6	6	2	4	5	5	3	2	3	2	3	3	2	4	3	3	2
land use north / east	A	U	U	P	U	P	U	A	A	P	P	P	P	P	P	P	P	P	H	P
land use south / west	U	U	P	U	U	P	U	P	P	A	U	A	P	A	A	P	P	P	H	U
Conductivity (µScm x 100)	103	28	33	23	30	43	39	38	40		34	35		19		32	10	11	12	25

Ditch Number	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940
Number of aquatic species	2	2	3	3	2	2	1	2	2	0	0	2	0	1	0	1	5	3	1	0
Number of emergent species	1	2	2	1	1	1	2	1	1	5	2	5	3	2	1	6	4	1	1	1
Number of bank species	1	0	1	4	2	3	1	3	2	2	5	1	3	0	0	1	1	1	1	1
Total number of species	4	4	6	8	5	6	4	6	5	7	7	8	6	3	1	8	10	5	3	2

† **Excluded from totals**
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch number	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960
Azolla filiculoides																				
Callitriche obtusangula		1		1			1		1	1	1			1					1	
Callitriche stagnalis/spp																				
Ceratophyllum demersum		1	1	1			1		1	1	1	1	1	1	1	1			1	
Ceratophyllum submersum									1											
Elodea canadensis																				
Elodea nuttallii				1			1		1	1				1		1			1	
Enteromorpha sp†									1	1										
Filamentous algae†			1	1			1		1	1	1			1		1			1	
Groenlandia densa																				
Hydrocharis morsus-ranae			1	1			1		1	1	1	1	1	1	1	1			1	
Lemna gibba																			1	
Lemna miniscula																				
Lemna minor		1	1	1		1	1		1	1	1	1	1	1	1	1	1		1	
Lemna trisulca							1			1	1	1	1		1	1	1		1	
Myriophyllum spicatum				1			1							1						
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus				1								1	1	1					1	
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza											1			1		1				
Utricularia vulgaris																			1	
Zannichellia palustris																				
Alisma plantago-aquatica																			1	
Apium nodiflorum												1		1						
Berula erecta	1	1	1	1					1	1	1	1	1	1	1	1	1		1	
Butomus umbellatus																				
Carex riparia		1						1	1			1			1					
Eleocharis palustris				1					1				1	1	1	1		1		
Equisetum fluviatile			1							1										
Glyceria fluitans				1																
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																			1	
Nasturtium officinale agg							1			1				1						
Oenanthe aquatica																				
Oenanthe fistulosa			1																1	
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*		3	2		3	3	1	3		1	2	1	2		3	3	3	2	2	3
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris																				
Scirpus maritimus*	3									1	1	1	1		1			1		
Sparganium erectum			1	1			1		1	1	1	1	1	1	1					
Typha angustifolia																				
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata																				
Aster tripolium																				
Carex divisa	1					1							1		1			1	1	
Carex otrubae																				
Carex distans																				
Chenopodium chenopodioides																				
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum																				
Galium palustre		1	1																	
Glaux maritima																				
Inula crithmoides																				
Juncus effusus																				
Juncus inflexus		1	1	1			1	1	1	1	1	1	1	1	1	1	1		1	
Juncus gerardii																				
Juncus maritima																				
Lycopus europaeus									1					1						
Lysimachia nummularia																				
Mentha aquatica			1							1										
Myosotis cespitosa			1	1			1		1	1										
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																				
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara		1																		
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*																				
Ditch choked	1	1			1	1		1									1			1
Ditch dry (N=near dry)	1				1			1										1		N
Width (nearest metre)	2	3	2	10	3	20	4		4	4	5	4	4	10	4	5	2	2	4	3
land use north / east	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	H	U
land use south / west	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	U
Conductivity (µScm x 100)		14	16	5		9	8	1	8	8	6	5	7	5	5	6	12		8	26

Ditch Number	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960
Number of aquatic species	0	3	3	7	0	1	7	0	6	6	6	5	5	8	4	6	2	0	9	0
Number of emergent species	2	3	5	4	1	1	3	2	4	6	4	6	5	5	6	3	2	3	5	1
Number of bank species	1	3	4	2	0	1	2	1	3	3	1	1	2	2	2	1	1	1	2	0
Total number of species	3	9	12	13	1	3	12	3	13	15	11	12	12	15	12	10	5	4	16	1

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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English Nature 1995

Ditch number	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980
Azolla filiculoides																				
Callitriche obtusangula		1	1					1						1				1		1
Callitriche stagnalis/spp																				
Ceratophyllum demersum		1	1	1			1	1				1		1			1	1		1
Ceratophyllum submersum																				
Elodea canadensis																				
Elodea nuttallii		1												1						
Enteromorpha sp†		1																		1
Filamentous algae†		1	1				1	1				1		1			1	1		1
Groenlandia densa																				
Hydrocharis morsus-ranae		1	1	1			1	1				1		1	1		1	1		1
Lemna gibba																				
Lemna miniscula																				
Lemna minor		1			1		1	1			1	1			1		1	1		1
Lemna trisulca				1								1			1	1	1	1		
Myriophyllum spicatum														1						
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																		1		
Potamogeton pectinatus				1			1							1						
Potamogeton pusillus/berchtoldii														1						
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza																		1		
Utricularia vulgaris								1				1					1			
Zannichellia palustris																				
Alisma plantago-aquatica		1	1				1	1												
Apium nodiflorum			1								1			1						
Berula erecta		1	1	1	1	1	1	1			1	1		1	1		1	1		1
Butomus umbellatus																				
Carex riparia				1			1					1					1	1		
Eleocharis palustris		1	1	1				1			1			1	1		1	1		1
Equisetum fluviatile		1					1	1												1
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus		1		1			1	1		1	1						1	1		1
Nasturtium officinale agg		1																1		1
Oenanthe aquatica																				
Oenanthe fistulosa		1	1					1			1									
Oenanthe silaifolia																				
Phalaris arundinacea														1						
Phragmites australis*	2	2	3	3	3	2		1	3	3			3	1	2	3		1	3	2
Ranunculus flammula																				
Ranunculus sceleratus											1									
Rumex hydrolapathum																				
Scirpus lacustris	1																			
Scirpus maritimus*	2					2		1	1			1		1	1					1
Sparganium erectum		1		1			1	1						1	1		1	1		1
Typha angustifolia																				
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata																				
Aster tripolium																				
Carex divisa	1	1	1		1	1	1			1	1				1		1	1		
Carex otrubae				1				1												1
Carex distans																				
Chenopodium chenopodioides																				
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum				1						1										
Galium palustre		1	1				1	1				1		1			1	1		
Glaux maritima																				
Inula crithmoides																				
Juncus effusus								1												
Juncus inflexus		1	1	1		1	1	1	1	1	1	1		1			1	1		1
Juncus gerardii								1												
Juncus maritima																				
Lycopus europaeus																		1		
Lysimachia nummularia																				
Mentha aquatica		1					1													
Myosotis cespitosa		1	1				1	1			1							1		
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica	1									1	1									
Salicornia sp.																				
Samolus valerandi							1													
Solanum dulcamara																				
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*													1		1				1	
Ditch choked	1			1	1	1			1	1	1		1			1			1	
Ditch dry (N=near dry)	N					1			1	1			1			N			1	
Width (nearest metre)	2	6	6	4	20	1	3	3	3	1	1	2	3	10	4	2	2	3	4	3
land use north / east	P	H	H	P	P	P	P	H	U	H	H	P	P	U	P	P	P	P	U	P
land use south / west	U	P	H	P	P	P	P	H	P	U	H	P	U	P	P	P	P	P	U	P
Conductivity (µScm x 100)	80	7	7	6	8		11	7			7	7		5	8	28·	8	6		7

Ditch Number	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980
Number of aquatic species	0	5	3	4	1	0	4	5	0	0	1	5	0	7	3	1	5	7	0	4
Number of emergent species	3	9	6	6	2	3	6	9	2	2	6	3	1	7	5	1	5	7	1	8
Number of bank species	2	5	4	3	1	2	6	6	1	4	4	2	0	2	1	0	3	5	0	2
Total number of species	5	19	13	13	4	5	16	20	3	6	11	10	1	16	9	2	13	19	1	14

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch survey data (20m sample sections)
English Nature 1995

Ditch number	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
Azolla filiculoides																				
Callitriche obtusangula				1	1		1								1					
Callitriche stagnalis/spp																				
Ceratophyllum demersum	1	1	1	1		1	1			1	1				1		1			
Ceratophyllum submersum																				
Elodea canadensis																				
Elodea nuttallii							1													
Enteromorpha sp†	1												1		1				1	
Filamentous algae†	1		1	1		1	1		1	1			1		1					
Groenlandia densa																				
Hydrocharis morsus-ranae	1	1	1	1	1	1	1			1	1				1		1			
Lemna gibba																				
Lemna miniscula																				
Lemna minor		1	1	1	1	1	1			1	1				1		1			
Lemna trisulca		1	1	1		1				1	1				1		1	1		
Myriophyllum spicatum							1						1		1				1	
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus							1		1				1							
Potamogeton pusillus/berchtoldii							1								1					
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza							1								1					
Utricularia vulgaris	1	1	1	1		1				1	1						1			
Zannichellia palustris																				
Alisma plantago-aquatica	1				1												1			
Apium nodiflorum					1															
Berula erecta	1	1	1	1		1	1			1	1				1					
Butomus umbellatus																				
Carex riparia	1	1	1		1					1	1						1			
Eleocharis palustris		1	1	1		1				1										
Equisetum fluviatile		1			1	1				1							1			
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus	1	1	1	1		1				1	1						1			
Nasturtium officinale agg		1		1	1	1	1													
Oenanthe aquatica																				
Oenanthe fistulosa	1		1			1				1	1						1			
Oenanthe silaifolia																				
Phalaris arundinacea															1					
Phragmites australis*	3	1		3	2	2	2	3	3	2		3	3	3	2	3	1	3	3	3
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris											1						1			
Scirpus maritimus*							1	1					3		1				1	
Sparganium erectum	1	1	1	1	1	1	1			1							1			
Typha angustifolia																				
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata																				
Aster tripolium																				
Carex divisa				1							1		1				1			
Carex otrubae															1		1			
Carex distans																				
Chenopodium chenopodioides																				
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum														1						
Galium palustre	1	1	1	1	1	1					1									
Glaux maritima																				
Inula crithmoides																				
Juncus effusus	1				1															
Juncus inflexus	1	1	1	1	1	1	1			1	1			1	1		1			
Juncus gerardii																				
Juncus maritima																				
Lycopus europaeus				1							1									
Lysimachia nummularia																				
Mentha aquatica				1							1									
Myosotis cespitosa	1			1	1		1													
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica														1						
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara																				
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*								1												
Ditch choked					1			1				1		1		1	1	1		1
Ditch dry (N=near dry)								1				N		1		1				
Width (nearest metre)	4	2	3	3	4	3	10	8	8	2	4	3	8	3	10	5	4	8	8	8
land use north / east	P	P	P	P	P	P	U	U	H	P	P	U	H	P	U	U	H	H	H	H
land use south / west	H	P	P	P	P	P	P	H	H	P	P	U	H	U	P	U	P	H	H	H
Conductivity (µScm x 100)	23	7	8	6	8	5	7		60	6	8	73	44		4		10	40	74	10

Ditch Number	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
Number of aquatic species	3	5	5	6	3	5	9	0	1	5	5	0	2	0	8	0	5	1	1	0
Number of emergent species	7	8	6	6	7	8	5	2	1	8	5	1	2	1	4	1	8	1	2	1
Number of bank species	4	2	2	6	4	2	2	0	0	1	5	0	1	3	2	0	3	0	0	0
Total number of species	14	15	13	18	14	15	16	2	2	14	15	1	5	4	14	1	16	2	3	1

† **Excluded from totals**
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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English Nature 1995

Ditch number	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020
Azolla filiculoides																				
Callitriche obtusangula			1																	
Callitriche stagnalis/spp																				
Ceratophyllum demersum																		1		
Ceratophyllum submersum																		1		
Elodea canadensis																				
Elodea nuttallii			1															1		
Enteromorpha sp†				1																
Filamentous algae†			1	1		1		1				1						1		
Groenlandia densa																				
Hydrocharis morsus-ranae	1	1	1								1							1		
Lemna gibba																				
Lemna miniscula																				
Lemna minor	1	1	1	1		1		1			1	1				1		1	1	1
Lemna trisulca					1	1	1			1	1			1						1
Myriophyllum spicatum																				
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus			1	1													1			
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling												1								
Spirodela polyrhiza								1										1		
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica	1		1																	
Apium nodiflorum																				
Berula erecta	1	1	1	1	1		1								1	1			1	1
Butomus umbellatus																				
Carex riparia	1																			
Eleocharis palustris	1																			
Equisetum fluviatile																			1	1
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus	1				1															
Nasturtium officinale agg	1		1																	
Oenanthe aquatica																				
Oenanthe fistulosa					1									1						
Oenanthe silaifolia																			1	
Phalaris arundinacea			1																	
Phragmites australis*	1	3	2		3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3
Ranunculus flammula																				
Ranunculus sceleratus			1																	
Rumex hydrolapathum																				
Scirpus lacustris	1																		1	
Scirpus maritimus*			1	3				3				3	1				1	3		
Sparganium erectum	1		1																	
Typha angustifolia			1																	
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†		1																		
Atriplex hastata																				
Aster tripolium																				
Carex divisa	1	1	1					1		1	1		1				1		1	1
Carex otrubae																				
Carex distans																				
Chenopodium chenopodioides																				
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum																				
Galium palustre	1																			
Glaux maritima																				
Inula crithmoides																				
Juncus effusus																			1	
Juncus inflexus	1	1	1								1				1				1	1
Juncus gerardii																				
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa	1																			
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica					1															
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara																				
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*																				
Ditch choked	1	1			1	1	1	1	1	1	1	1	1	1	1	1			1	1
Ditch dry (N=near dry)							1		1						1					1
Width (nearest metre)	3	4	15	6	8	4	4	4	10	5	4	8	5	4	6	10	6	15	4	4
land use north / east	P	H	U	H	H	H	H	H	H	H	H	H	H	H	P	H	H	U	P	P
land use south / west	P	H	H	H	H	H	H	H	H	H	H	H	H	H	P	H	H	H	P	P
Conductivity (µScm x 100)	8	8	7	22	31	61		65		7	7	18	100	12		6	100	7	22	

Ditch Number	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020
Number of aquatic species	2	2	5	2	1	2	1	2	0	1	3	2	0	1	0	1	1	6	1	2
Number of emergent species	9	2	9	2	4	1	2	2	1	1	1	2	2	2	2	2	2	2	5	3
Number of bank species	4	2	2	0	1	0	0	1	0	1	2	0	1	0	1	0	1	0	3	2
Total number of species	15	6	16	4	6	3	3	5	1	3	6	4	3	3	3	3	4	8	9	7

† Excluded from totals
D = dominant A = abundant
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Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch number	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040
Azolla filiculoides																				
Callitriche obtusangula																				
Callitriche stagnalis/spp																				
Ceratophyllum demersum								1												
Ceratophyllum submersum																				
Elodea canadensis																				
Elodea nuttallii						1									1					
Enteromorpha sp†																				
Filamentous algae†						1		1												
Groenlandia densa																				
Hydrocharis morsus-ranae						1		1												
Lemna gibba															1					
Lemna miniscula																				
Lemna minor		1			1			1										1		1
Lemna trisulca		1			1			1	1											
Myriophyllum spicatum															1					
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus						1		1							1					
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza						1									1					
Utricularia vulgaris																				
Zannichellia palustris																				
Alisma plantago-aquatica																				
Apium nodiflorum															1					
Berula erecta		1	1					1										1	1	
Butomus umbellatus																				
Carex riparia							1				1			1						
Eleocharis palustris																				
Equisetum fluviatile		1	1				1				1									
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus								1					1							
Nasturtium officinale agg								1												
Oenanthe aquatica																				
Oenanthe fistulosa									1									1		
Oenanthe silaifolia		1																1		
Phalaris arundinacea															1					
Phragmites australis*	3	3	3	3	3	3	3	1	3	3	3	3	3	3	3	3	3	3	3	3
Ranunculus flammula																				
Ranunculus sceleratus																				
Rumex hydrolapathum																				
Scirpus lacustris																		1		
Scirpus maritimus*						3		1							3			1		
Sparganium erectum																				
Typha angustifolia																				
Typha latifolia																				
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†																				
Atriplex hastata																				1
Aster tripolium																				
Carex divisa		1	1				1	1	1									1		
Carex otrubae												1			1					
Carex distans																				
Chenopodium chenopodioides																				
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum							1						1	1						
Galium palustre																				
Glaux maritima																				
Inula crithmoides																				
Juncus effusus													1							
Juncus inflexus		1	1					1			1		1			1			1	
Juncus gerardii																				
Juncus maritima																				
Lycopus europaeus																				
Lysimachia nummularia																				
Mentha aquatica													1							
Myosotis cespitosa								1										1		
Myosotis scorpioides																				
Oenanthe lachenalii									1											
Polypogon monspeliensis																				
Pulicaria dysenterica										1		1	1	1			1			
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara																				
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*					1															
Ditch choked	1	1	1	1	1		1		1	1	1	1	1	1		1	1	1	1	
Ditch dry (N=near dry)	1	1	1	1			1			1	1	1	1	1		1	1	1	1	
Width (nearest metre)	4	4		3	4	15		6	10	12	4	12		4	15	4	15	4	4	10
land use north / east	U	P	P	U	U	H	P	P	H	U	P	U	U	P	U	P	U	P	P	U
land use south / west	U	P	U	U	U	U	U	P	H	U	P	U	U	U	U	P	U	P	P	U
Conductivity (µScm x 100)					32	6		25	100						7					10

Ditch Number	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040
Number of aquatic species	0	2	0	0	2	4	0	5	1	0	0	0	0	0	5	0	0	1	0	1
Number of emergent species	1	4	3	1	1	2	3	5	2	1	3	1	2	2	4	1	1	6	2	1
Number of bank species	0	2	2	0	0	0	2	3	2	1	1	2	5	2	1	1	1	2	1	1
Total number of species	1	8	5	1	3	6	5	13	5	2	4	3	7	4	10	2	2	9	3	3

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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Ditch number	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060
Azolla filiculoides																				
Callitriche obtusangula																				
Callitriche stagnalis/spp																				
Ceratophyllum demersum								1	1	1			1					1		
Ceratophyllum submersum													1					1		
Elodea canadensis									1											
Elodea nuttallii										1			1					1		
Enteromorpha sp†																				
Filamentous algae†										1			1					1		
Groenlandia densa																				
Hydrocharis morsus-ranae		1											1					1	1	
Lemna gibba		1						1	1	1			1				1	1		
Lemna miniscula													1							
Lemna minor		1	1					1	1	1			1				1	1	1	
Lemna trisulca			1										1					1		
Myriophyllum spicatum																				
Myriophyllum verticillatum																				
Nymphaea alba																				
Nymphoides peltata																				
Potamogeton crispus																				
Potamogeton natans																				
Potamogeton pectinatus			1						1	1										
Potamogeton pusillus/berchtoldii																				
Ranunculus baudotii																				
Ranunculus trichophyllus																				
Ranunculus seedling																				
Spirodela polyrhiza			1				1	1	1	1										
Utricularia vulgaris																				
Zannichellia palustris									1											
Alisma plantago-aquatica		1									1							1		
Apium nodiflorum		1	1						1									1		
Berula erecta	1	1	1								1		1			1	1	1		
Butomus umbellatus																				
Carex riparia																				
Eleocharis palustris		1									1							1		
Equisetum fluviatile																				
Glyceria fluitans																				
Glyceria maxima																				
Hippuris vulgaris																				
Iris pseudacorus																				
Juncus articulatus																	1			
Nasturtium officinale agg			1															1		
Oenanthe aquatica																				
Oenanthe fistulosa																				
Oenanthe silaifolia																				
Phalaris arundinacea																				
Phragmites australis*	3	2	3		3	3	3	1	1	1	3	3	3	3	3	3	3	3	3	3
Ranunculus flammula																				
Ranunculus sceleratus										1	1		1					1		
Rumex hydrolapathum																				
Scirpus lacustris					1															
Scirpus maritimus*			1	3				1		1		1	1				1	1		
Sparganium erectum		1						1	1									1		
Typha angustifolia																				
Typha latifolia										1										
Veronica anagallis-aquatica																				
Veronica catenata																				
Veronica scutellata																				
Grass dom (Agro/Alop)†										1										
Atriplex hastata															1					
Aster tripolium																				
Carex divisa		1			1			1		1										
Carex otrubae													1							
Carex distans																				
Chenopodium chenopodioides																				
Chenopodium rubrum																				
Crassula helmsii																				
Epilobium hirsutum			1														1	1		
Galium palustre																				
Glaux maritima																				
Inula crithmoides																				
Juncus effusus																				
Juncus inflexus	1	1				1										1				
Juncus gerardii																				
Juncus maritima																				
Lycopus europaeus											1									
Lysimachia nummularia																				
Mentha aquatica																				
Myosotis cespitosa											1									
Myosotis scorpioides																				
Oenanthe lachenalii																				
Polypogon monspeliensis																				
Pulicaria dysenterica																		1		
Salicornia sp.																				
Samolus valerandi																				
Solanum dulcamara																				
Spartina anglica																				
Spergularia marina																				
Spergularia media																				
Sueda maritima																				
Triglochin maritima																				
Triglochin palustre																				
Scrub cover*																				
Ditch choked	1			1	1	1		1			1	1		1	1	1			1	1
Ditch dry (N=near dry)	1			1	1	1		N				1		1	1	N				1
Width (nearest metre)	4	1	15	3	4	3	15	8	8	8	4	6	6	4	4	4	4	6	4	4
land use north / east	P	P	H	P	P	P	H	P	P	P	P	H	H	P	H	P	H	U	H	H
land use south / west	P	P	U	P	P	P	U	P	P	P	P	H	H	P	H	P	P	H	P	P
Conductivity (µScm x 100)		22	17				17	21	30	21	25		11			19	18	14	23	

Ditch Number	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060
Number of aquatic species	0	3	4	0	0	0	1	4	7	6	0	0	8	0	0	0	2	7	2	0
Number of emergent species	2	6	5	1	2	1	1	3	3	4	5	2	4	1	1	2	4	9	1	1
Number of bank species	1	2	1	0	1	1	0	1	0	1	2	0	1	0	1	1	1	2	0	0
Total number of species	3	11	10	1	3	2	2	8	10	11	7	2	13	1	2	3	7	18	3	1

† Excluded from totals
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

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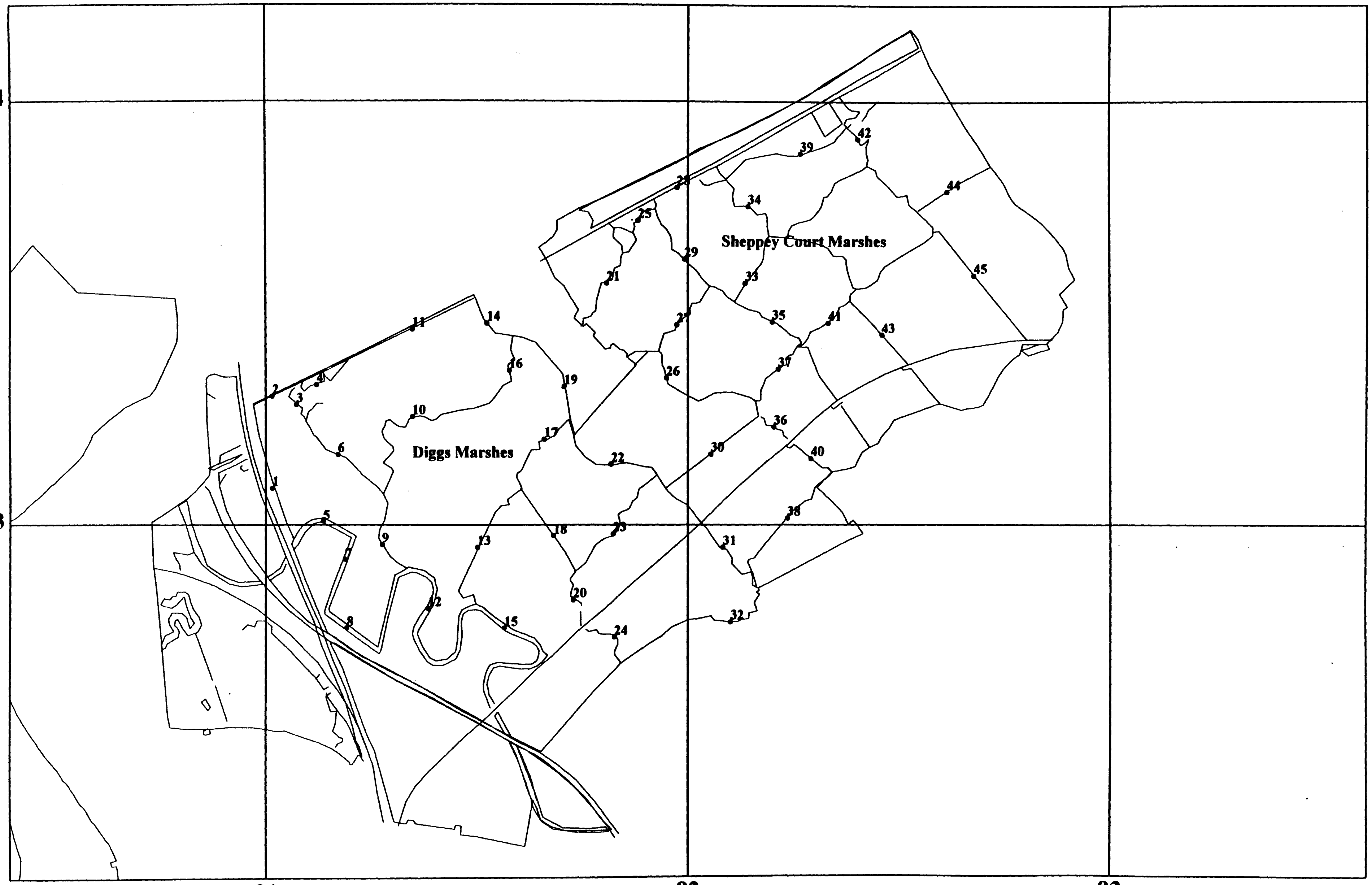
Ditch number	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	Total	%
Azolla filiculoides																					9	0.8
Callitriche obtusangula															1						128	11.9
Callitriche stagnalis/spp																					1	0.1
Ceratophyllum demersum							1														61	5.6
Ceratophyllum submersum						1															176	16.3
Elodea canadensis																					5	0.5
Elodea nuttallii																			1		25	2.3
Enteromorpha sp†																					124	11.5
Filamentous algae†						1		1		1				1			1		1	1	303	28.1
Groenlandia densa																					3	0.3
Hydrocharis morsus-ranae					1	1	1	1		1				1	1	1	1		1	1	97	9.0
Lemna gibba							1								1				1	1	40	3.7
Lemna miniscula							1														3	0.3
Lemna minor					1	1	1	1		1			1	1	1	1	1			1	335	31.0
Lemna trisulca					1	1		1		1				1		1	1				243	22.5
Myriophyllum spicatum																					133	12.3
Myriophyllum verticillatum																					3	0.3
Nymphaea alba																					1	0.1
Nymphoides peltata																					1	0.1
Potamogeton crispus																					11	1.0
Potamogeton natans																				1	7	0.6
Potamogeton pectinatus														1							316	29.3
Potamogeton pusillus/berchtoldii																					24	2.2
Ranunculus baudotii																					33	3.1
Ranunculus trichophyllus																					3	0.3
Ranunculus seedling																					43	4.0
Spirodela polyrhiza															1					1	17	1.6
Utricularia vulgaris																					20	1.9
Zannichellia palustris																					26	2.4
Alisma plantago-aquatica						1															60	5.6
Apium nodiflorum																					88	8.1
Berula erecta					1	1	1	1		1		1			1		1		1	1	221	20.5
Butomus umbellatus																					1	0.1
Carex riparia																					49	4.5
Eleocharis palustris							1			1				1	1	1	1		1		169	15.6
Equisetum fluviatile												1						1	1	1	32	3.0
Glyceria fluitans																					11	1.0
Glyceria maxima																					36	3.3
Hippuris vulgaris																					10	0.9
Iris pseudacorus																					1	0.1
Juncus articulatus							1			1							1	1		1	61	5.6
Nasturtium officinale agg						1															74	6.9
Oenanthe aquatica							1								1					1	3	0.3
Oenanthe fistulosa					1		1							1			1			1	50	4.6
Oenanthe silaifolia										1						1	1				6	0.6
Phalaris arundinacea																					5	0.5
Phragmites australis*	3	3	3	3		2		3	3	3			3	2	3	3	1	3	1	1	397	36.8
Ranunculus flammula																					1	0.1
Ranunculus sceleratus																				1	48	4.4
Rumex hydrolapathum								1		1				1		1	1				27	2.5
Scirpus lacustris					1		1														95	8.8
Scirpus maritimus*					1	1	1													1	712	65.9
Sparganium erectum					1	1	1							1		1			1	1	148	13.7
Typha angustifolia												1								1	66	6.1
Typha latifolia						1	1											1	1		35	3.2
Veronica anagallis-aquatica																					1	0.1
Veronica catenata																					23	2.1
Veronica scutellata																					3	0.3
Grass dom (Agro/Alop)†							1												1		58	5.4
Atriplex hastata																					175	16.2
Aster tripolium																					11	1.0
Carex divisa				1	1		1							1	1		1	1			150	13.9
Carex otrubae					1							1						1			119	11.0
Carex distans																					13	1.2
Chenopodium chenopodioides																					184	17.0
Chenopodium rubrum																1					51	4.7
Crassula helmsii																					2	0.2
Epilobium hirsutum							1			1									1		58	5.4
Galium palustre																		1			39	3.6
Glaux maritima																					42	3.9
Inula crithmoides																					1	0.1
Juncus effusus													1						1		67	6.2
Juncus inflexus					1							1								1	310	28.7
Juncus gerardii		1																			271	25.1
Juncus maritima																					23	2.1
Lycopus europaeus												1							1		35	3.2
Lysimachia nummularia																					1	0.1
Mentha aquatica																1		1	1	1	40	3.7
Myosotis cespitosa															1						47	4.4
Myosotis scorpioides																					11	1.0
Oenanthe lachenalii																					2	0.2
Polypogon monspeliensis																					16	1.5
Pulicaria dysenterica												1	1						1		45	4.2
Salicornia sp.																					17	1.6
Samolus valerandi																					7	0.6
Solanum dulcamara												1			1						48	4.4
Spartina anglica																					1	0.1
Spergularia marina																					43	4.0
Spergularia media																					2	0.2
Sueda maritima																					1	0.1
Triglochin maritima																					1	0.1
Triglochin palustre																					8	0.7
Scrub cover*			1									1									101	9.4
Ditch choked	1	1		1		1		1	1				1					1			226	20.9
Ditch dry (N=near dry)	1	1		1					1			1						1			354	32.8
Width (nearest metre)	4	5	4	5	3	5	5	4	4	7	4	4	4	5	4	5	7	2	4	7		
land use north / east	P	H	P	H	P	H	P	P	P	H	P	P	P	P	P	H	H	H	H	H		
land use south / west	P	H	P	H	P	H	P	P	P	P	P	P	P	P	P	H	P	P	H	P		
Conductivity (µScm x 100)					14	2	17	27		9	26		24	22	5	9	7		7	6		

Ditch Number	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	Total	Average
Number of aquatic species	0	0	0	0	3	4	5	3	0	3	0	0	1	4	5	3	3	0	3	5	27	1.6
Number of emergent species	1	1	1	1	5	7	9	3	1	6	0	3	1	5	4	5	7	4	6	10	29	2.3
Number of bank species	0	1	0	1	3	0	2	0	0	1	0	5	2	1	3	2	1	4	5	2	33	1.7
Total number of species	1	2	1	2	11	11	16	6	1	10	0	8	4	10	12	10	11	8	14	17	89	5.6

† **Excluded from totals**
D = dominant A = abundant
* Abundance recorded as 1 = 1-9% 2 = 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = silage A = arable F = fence U = unmanaged

Diggs and Sheppey Court Marshes SNCI - Ditch Numbering (East to West)



Diggs and Sheppey Court Marshes SNCI
English Nature 1995 ditch data (20m sample sections)

Ditch number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Azolla filiculoides										1													
Callitriche obtusangula	1	1																					
Ceratophyllum demersum	1																						
Ceratophyllum submersum	1	1			1		1	1				1			1					1			1
Elodea nuttallii	1	1																					1
Enteromorpha sp†		1																					
Filamentous algae†	1	1	1	1	1		1	1			1	1			1			1		1			
Lemna miniscula																1							
Lemna minor	1	1					1		1		1	1		1	1	1			1	1			1
Lemna trisulca	1	1								1				1	1					1			1
Myriophyllum spicatum					1		1	1				1								1			
Nymphaea alba																			1				
Potamogeton pectinatus	1	1			1		1	1				1			1					1			1
Ranunculus baudotii																							
Apium nodiflorum												1			1								
Eleocharis palustris															1		1						1
Nasturtium officinale agg															1								1
Phragmites australis*											3												
Scirpus maritimus*	3	3	3	3	3	3	2	2	3	3	1	2	3	3	2	3	2	3	3	3	3	3	3
Typha latifolia														1					1	1			1
Atriplex hastata					1		1														1		
Carex divisa						1	1		1	1		1	1		1			1		1	1	1	1
Carex otrubae												1											
Chenopodium chenopodioides			1	1														1					
Epilobium hirsutum																			1				
Glaux maritima																							
Juncus inflexus																							
Juncus gerardii							1	1	1														
Juncus maritima																	1						
Pulicaria dysenterica		1																					
Scrub cover*																							
Ditch choked											1										1		
Ditch dry			1	1		1			N				N				N				1		
Width (nearest metre)	2	2	3	2	8	2	5	4	1	3	3	6	3	8	8	3	3	1	6	2	2	6	2
land use north/east	P	U	P	P	U	P	P	P	P	P	U	P	P	U	P	P	P	P	U	P	P	P	P
land use south/west	U	P	P	P	P	P	U	U	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Conductivity (µScmx100)	15	11		70	24		39	24	68	56	11	20	77	11	10	11	77	77	7	48		6	13

Ditch number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Number of aquatic species	7	6	0	0	3	0	4	3	1	2	1	4	0	2	4	2	0	0	2	5	0	0	4
Number of emergent species	1	1	1	1	1	1	1	1	1	1	2	2	1	2	4	1	2	1	2	2	1	1	4
Number of bank species	0	1	1	1	1	1	3	1	2	1	0	2	1	0	1	0	1	2	1	1	2	1	1
Total number of species	8	8	2	2	5	2	8	5	4	4	3	8	2	4	9	3	3	3	5	8	3	2	9

Diggs and Sheppey Court Marshes SNCI
English Nature 1995 ditch data (20m sample sections)

Ditch number	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	total	%
Azolla filiculoides						1																2	4.4
Callitriche obtusangula																						2	4.4
Ceratophyllum demersum																						1	2.2
Ceratophyllum submersum																					1	10	22.2
Elodea nuttallii					1								1				1					5	11..1
Enteromorpha sp†		1	1																			4	8.9
Filamentous algae†		A											1				1					15	33.3
Lemna miniscula						1																2	4.4
Lemna minor			1		1	1					1	1	1				1					19	42.2
Lemna trisulca			1		1						1											10	22.2
Myriophyllum spicatum					1								1				1			1		9	20.0
Nymphaea alba													1									2	4.4
Potamogeton pectinatus		1									1											11	24.4
Ranunculus baudotii													1									1	2.2
Apium nodiflorum																						2	4.4
Eleocharis palustris													1									4	8.9
Nasturtium officinale agg													1									3	6.7
Phragmites australis*																			3		3	3	6.7
Scirpus maritimus*	3	2	3	3	3	1		3	3	2	3	3	1	1	3		2	3		1	1	42	93.3
Typha latifolia								1														5	11.1
Atriplex hastata	1																					4	8.9
Carex divisa	1	1	1		1	1		1				1										20	44.4
Carex otrubae																						1	2.2
Chenopodium chenopodioides																						3	6.7
Epilobium hirsutum								1														2	4.4
Glaux maritima			1								1											2	4.4
Juncus inflexus							1						1									2	4.4
Juncus gerardii										1	1		1									6	13.3
Juncus maritima																						1	2.2
Pulicaria dysenterica																						1	2.2
Scrub cover*								1														1	2.2
Ditch choked	1		1						1						1				1		1	8	17.8
Ditch dry	1			1				1	1	1					1			1	1			16	35.6
Width (nearest metre)	2	3	2	1	3	6	8	2	1	3	4	3	4	8	2	2	5	2	2	5	3		
land use north/east	P	P	U	F	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
land use south/west	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P		
Conductivity (µScmx100)		71	19		18	6					10	9	9	6		36	9			40	32		

Ditch number	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	average	total
Number of aquatic species	0	1	2	0	4	3	0	0	0	0	3	1	5	0	0	0	3	0	0	1	1	1.6	12
Number of emergent species	1	1	1	1	1	1	0	2	1	1	1	1	3	1	1	0	1	1	1	1	2	1.3	6
Number of bank species	2	1	2	0	1	1	1	2	0	1	2	1	2	0	0	0	0	0	0	0	0	0.9	10
Total number of species	3	3	5	1	6	5	1	4	1	2	6	3	10	1	1	0	4	1	1	2	3	3.9	28

† Excluded from totals
D = dominant A = abundant
*Abundance recorded as 1 = 1-9% 2= 10-59% 3 = 60-100%
Land use abbreviations P = pasture H = hay S = Silage A = arable F = fence U = unmanaged

Grid references for 1993 survey data

North Kent Marshes

Ditch number	Grid reference
1	TR0357068000
2	TR0365068000
3	TR0372068000
4	TR0381668000
5	TR0387568000
6	TR0362067750
7	TR0375067560
8	TR0378067500
9	TR0350067800
10	TR0350067874
11	TR0339267750
12	TR0350067310
13	TR0386067250
14	TR0336867250
15	TR0331067250
16	TR0312267228
17	TR0350067090
18	TR0375067090
19	TR0356067000
20	TR0367067000
21	TR0325066920
22	TR0334066750
23	TR0325066710
24	TR0336066500
25	TR0300066505
26	TQ9400068270
27	TQ9400068040
28	TQ9400067830
29	TQ9399067750
30	TQ9424867786
31	TQ9425267873
32	TQ9435068000
33	TQ9450068307
34	TQ9450067940
35	TQ9449767783
36	TQ9424767560
37	TQ9452067500
38	TQ9457967500
39	TQ9470067500
40	TQ9475067790
41	TQ9481667759
42	TQ9475068010
43	TQ9502068250
44	TQ9475068366
45	TQ9429868500
46	TQ9416068750
47	TQ9450068710
48	TQ9456068750
49	TQ9466068750
50	TQ9475068500

Ditch number	Grid reference
51	TQ9500067700
52	TQ9500067920
53	TQ9475067520
54	TQ9496267500
55	TQ9395068750
56	TQ9400068780
57	TQ9423069000
58	TQ9425069020
59	TQ9450069078
60	TQ9460069000
61	TQ9475069060
62	TQ9475068910
63	TQ9500069000
64	TQ9500068858
65	TQ9525068769
66	TQ9325067350
67	TQ9325067450
68	TQ9345067500
69	TQ9350067470
70	TQ9345067250
71	TQ9359067250
72	TQ9367767500
73	TQ9525067396
74	TQ9527067500
75	TQ9525067530
76	TQ9550867750
77	TQ9525068020
78	TQ9537268000
79	TQ9526068250
80	TQ9541768250
81	TQ9561068000
82	TQ9571468000
83	TQ9574668037
84	TQ9550068110
85	TQ9550067600
86	TQ9559067750
87	TQ9500068450
88	TQ9525068510
89	TQ9548068500
90	TQ9575068450
91	TQ9337669000
92	TQ9343368750
93	TQ9370068750
94	TQ9375068890
95	TQ9381569000
96	TQ9400068910
97	TQ9400069100
98	TQ9380068500
99	TQ9375068650
100	TQ9447867262

Ditch number	Grid reference
101	TQ9455067250
102	TQ7525079120
103	TQ7550079104
104	TQ7575079190
105	TQ7575579118
106	TQ7574079000
107	TQ7557079000
108	TQ7536779000
109	TQ7550078791
110	TQ7575078870
111	TQ7575078818
112	TQ7575078750
113	TQ7538078750
114	TQ7525078700
115	TQ7525078590
116	TQ7525078560
117	TQ7525078430
118	TQ7546078500
119	TQ7559078500
120	TQ7550078260
121	TQ7541078250
122	TQ7529078250
123	TQ7525078220
124	TQ7525078140
125	TQ7521078250
126	TQ6800073815
127	TQ6793773750
128	TQ6818073750
129	TQ6825073740
130	TQ6850073700
131	TQ6874473679
132	TQ6800073635
133	TQ6875673580
134	TQ6800073500
135	TQ6850073530
136	TQ6817973500
137	TQ6820073500
138	TQ6840373500
139	TQ6859573500
140	TQ6877073500
141	TQ6800073380
142	TQ7874077680
143	TQ7873577754
144	TQ7871877774
145	TQ7868077780
146	TQ7850077900
147	TQ7861078000
148	TQ7865578000
149	TQ7850078150
150	TQ7828078110

Ditch number	Grid reference
151	TQ7820678000
152	TQ7819078250
153	TQ7815078500
154	TQ7825078590
155	TQ7833078500
156	TQ7835078500
157	TQ7850078330
158	TQ7850078290
159	TQ7852078250
160	TQ7827077860
161	TQ7814077750
162	TQ7793077700
163	TQ7776077780
164	TQ7770077500
165	TQ7775077450
166	TQ7789077500
167	TQ7800077510
168	TQ8532977750
169	TQ8539077750
170	TQ8565077750
171	TQ8575077630
172	TQ8550077540
173	TQ8568077507
174	TQ8583077500
175	TQ8604077500
176	TQ8616077500
177	TQ8575077496
178	TQ8625077470
179	TQ8550077430
180	TQ8575077430
181	TQ8624877375
182	TQ8650077342
183	TQ8591477250
184	TQ8608377250
185	TQ8637077250
186	TQ8645077272
187	TQ8659077250
188	TQ8550077217
189	TQ8550077136
190	TQ8575077110
191	TQ8525077085
192	TQ8725078190
193	TQ8750078210
194	TQ8763878225
195	TQ8725078100
196	TQ8750078075
197	TQ8750078023
198	TQ8775078050
199	TQ8708578000
200	TQ8744078000

Grid references for 1993 survey data

North Kent Marshes

Ditch number	Grid reference
201	TQ8786078000
202	TQ8725077810
203	TQ8750077820
205	TQ8800077890
206	TQ8775077787
207	TQ8702077750
208	TQ8730077750
209	TQ8748077750
210	TQ8757077750
211	TQ8769077750
212	TQ8790077750
213	TQ8808077750
214	TQ8750877732
215	TQ8750077660
216	TQ8750077610
217	TQ8775077590
218	TQ8775077550
219	TQ8698077500
220	TQ8724077500
221	TQ8750077520
222	TQ8757077500
223	TQ8798077500
224	TQ8700077380
225	TQ8775077400
226	TQ8750077336
227	TQ8694077250
228	TQ8718077250
229	TQ8742377250
230	TQ8763077250
231	TQ8700077200
232	TQ8725077180
233	TQ8750077040
234	TR0823464520
235	TR0847364497
236	TR0800064430
237	TR0825064400
238	TR0793564247
239	TR0817964250
240	TR0850064260
241	TR0875064280
242	TR0893064270
243	TR0825064230
244	TR0800064208
245	TR0770064180
246	TR0825064060
247	TR0851064080
248	TR0879064110
249	TR0864064000
250	TR0810064000
251	TR0825063870

Ditch number	Grid reference
252	TR0850063910
253	TR0857063750
254	TR0837763750
255	TR0825063720
256	TR0818063750
257	TQ9700069630
258	TQ9694069500
259	TQ9700069220
260	TQ9675068990
261	TQ9700068080
262	TQ9650068130
263	TQ9648068000
264	TQ9700068370
265	TQ9700068530
266	TQ9850067400
267	TQ9850067620
268	TQ9844068000
269	TQ9858068000
270	TQ9869068000
271	TQ9873068500
272	TQ9867069000
273	TQ9850068860
274	TQ9850068610
275	TQ9857068500
276	TR0000069310
277	TR0020069000
278	TR0007069000
279	TR0000068940
280	TR0000068550
281	TR0015068500
282	TR0047069000
283	TQ9900069220
284	TQ9918069000
285	TQ9950068890
286	TQ9965068500
287	TQ7755077150
288	TQ7799077350
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290	TQ7771077350
291	TQ7780077450
292	TQ7755077930
293	TQ7755077830
294	TQ7786078500
295	TQ7750078340
296	TQ7740078500
297	TQ7750078500
298	TQ7800078700
299	TQ7800078900
300	TQ7650078940
301	TQ7641079000

Ditch number	Grid reference
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303	TQ7717079000
304	TQ7700078640
305	TQ7763078000
306	TQ7729078000
307	TQ7807078500
308	TQ7816048500
309	TQ7650079330
310	TQ7656079000
311	TQ7680079000
312	TQ7700078820
313	TQ7700079210
314	TQ7700079440
315	TQ7800078330
316	TQ7800078170
317	TQ7808078000
318	TQ7817078000
319	TQ7800077910
320	TQ7800077840
321	TQ7710078500
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323	TQ7600078630
324	TQ7591079000
325	TQ7650079372
326	TQ7650078630
327	TQ7675078500
328	TQ7650078480
329	TQ7700078460
330	TQ7692078500
331	TQ9768064500
332	TQ9725064430
333	TQ9775064540
334	TQ9774564770
335	TQ9787864488
336	TQ9798064750
337	TQ9751064882
338	TQ9750054530
339	TQ9732764500
340	TQ9700064712
341	TQ9856164500
342	TQ9869065250
343	TQ9879064500
344	TQ9875064450
345	TQ9875064640
346	TQ9874964558
347	TQ9750964621
348	TQ9774764369
349	TQ9757064750
350	TQ9775064950
351	TQ9754065000

Ditch number	Grid reference
352	TQ9725065070
353	TQ9728765000
354	TQ9750065440
355	TQ9724964693
356	TQ9894065250
357	TQ9864065000
358	TQ9851064250
359	TQ9874764807
360	TQ9846064250
361	TQ9880064250
362	TQ9800065484
363	TQ9850065250
364	TQ9825065440
365	TQ9824865510
366	TQ9825065000
367	TQ9816065000
368	TQ9804464750
369	TQ9750064300
370	TQ9738064250
371	TQ9742264490
372	TQ9749564454
373	TQ9779064250
374	TQ9767064250
375	TQ9806865000
376	TQ9804064500
377	TQ9825064590
378	TQ9828364739
379	TQ9825064780
380	TQ9800065100
381	TQ9814565249
382	TQ9805865250
383	TQ9800065310
384	TQ9778065250
385	TQ9775065220
386	TQ9770065250
387	TQ9763065250
388	TQ9729065250
389	TQ9875065540
390	TQ9900065630
391	TQ9875065350
392	TQ9900065430
393	TQ7450077289
394	TQ7450077470
395	TQ7456777000
396	TQ7453077500
397	TQ7484377000
398	TQ7526077500
399	TQ7450076717
400	TQ7538877500
	TQ8744078000

Grid references for 1993 survey data

North Kent Marshes

Ditch number	Grid reference
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Grid references for 1995 survey data

South Thames Estuary & Marshes SSSI

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Grid references for 1995 survey data

South Thames Estuary & Marshes SSSI

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Grid references for 1995 survey data

South Thames Estuary & Marshes SSSI

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Grid references for 1995 survey data

South Thames Estuary & Marshes SSSI

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Grid references for 1995 survey data

South Thames Estuary & Marshes SSSI

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Grid references for 1995 survey data

Medway Estuary & Marshes SSSI and The Swale SSSI

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Grid references for 1995 survey data

Medway Estuary & Marshes SSSI and The Swale SSSI

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Grid references for 1995 survey data

Medway Estuary & Marshes SSSI and The Swale SSSI

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Grid references for 1995 survey data

Medway Estuary & Marshes SSSI and The Swale SSSI

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