



Norfolk County Council

NORWICH WESTERN LINK ROAD

River Wensum and Floodplain Macrophyte Report
Appendix B : Full Macrophyte Survey Data





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QUALITY CONTROL

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APPENDIX B : FULL MACROPHYTE SURVEY DATA

Table A-1 - Full macrophyte data from the surveys of the River Wensum and adjoining ditches.

Section	River Wensum	River Wensum	Hall Ditch	Hall Ditch	Ringland Ditch	Ringland Ditch
Channel/Bank	Channel	Bank	Channel	Bank	Channel	Bank
Section start: Easting	613962		613836		613670	
Section start: Northing	315491		315428		315315	
Section end: Easting	614032		613919		613759	
Section end: Northing	315419		315382		315263	
Channel width (m)	8		2		2	
Water depth (m)	1.3		0.01		0.6	
Flow (1 none to 5 fast)	2		1		1	
Clarity (1 clear to 5 v.poor)	3		N/A		4	
Bank slope (degrees)	30		50		40	
Adjacent land use	Pasture		Pasture/set aside		Rough pasture/marsh	
Total submerged plant cover (%)	90		0		20	
Total floating plant cover (%)	20		5		10	
Total green algae cover (%)	1		0		0	
Total emergent cover (%)	10		60		40	

Section	River Wensum	River Wensum	Hall Ditch	Hall Ditch	Ringland Ditch	Ringland Ditch
Total shade cover (%)	2		80		0	
Muddy edges present?	No		Yes		Yes	
Channel dominant substrate	Gravel/sand		Silt		Silt	
Species: (% cover)	<i>Channel</i>	<i>Bank</i>	<i>Channel</i>	<i>Bank</i>	<i>Channel</i>	<i>Bank</i>
<i>Agrostis stolonifera</i>				2		
<i>Angelica sylvestris</i>						1
<i>Apium nodiflorum</i>				1	1	
<i>Arrhenatherum elatius</i>		3		10		
<i>Berula erecta</i>						
<i>Butomus umbellatus</i>	2					
<i>Callitriche obtusangula</i>	2				2	
<i>Callitriche stagnalis</i>	1					
<i>Cardamine pratensis</i>				1		2
<i>Carex hirta</i>				2		
<i>Carex riparia</i>			30			
<i>Cirsium arvense</i>				5		

Section	River Wensum	River Wensum	Hall Ditch	Hall Ditch	Ringland Ditch	Ringland Ditch
<i>Cladophora</i>	1					
<i>Crataegus monogyna</i>				1		
<i>Dactylis glomerata</i>				2		
<i>Deschampsia cespitosa</i>				4		
<i>Elodea canadensis</i>	1					
<i>Enteromorpha</i>	1					
<i>Epilobium hirsutum</i>				2		1
<i>Epilobium parviflorum</i>						1
<i>Equisetum fluviatile</i>				1		
<i>Equisetum palustre</i>				1		
<i>Festuca rubra</i>				2		
<i>Filipendula ulmaria</i>						3
<i>Fontinalis antipyretica</i>	3					
<i>Galium aparine</i>						
<i>Galium palustre</i>						3
<i>Glechoma hederacea</i>				2		
<i>Glyceria fluitans</i>						2

Section	River Wensum	River Wensum	Hall Ditch	Hall Ditch	Ringland Ditch	Ringland Ditch
<i>Glyceria maxima</i>	5	40	30	10	30	80
<i>Holcus lanatus</i>				3		
<i>Iris pseudacorus</i>			1			
<i>Jacobaea aquatica</i>						1
<i>Juncus inflexus</i>				2		
<i>Lemna minor</i>	2		3		10	
<i>Lemna trisulca</i>						
<i>Lolium perenne</i>		1				
<i>Lycopus europaeus</i>		1				
<i>Mentha aquatica</i>		1		2		3
<i>Myosotis scorpioides</i>	1	1				2
<i>Nuphar lutea</i>	1					
<i>Phalaris arundinacea</i>		10		50		
<i>Phleum pratense</i>				2		
<i>Phragmites australis</i>		1				
<i>Persicaria amphibia</i>		1				1
<i>Potamogeton crispus</i>	1					

Section	River Wensum	River Wensum	Hall Ditch	Hall Ditch	Ringland Ditch	Ringland Ditch
<i>Potamogeton pectinatus</i>	5					
<i>Potamogeton perfoliatus</i>	25					
<i>Potentilla anserina</i>						2
<i>Pulicaria dysentica</i>						1
<i>Ranunculus circinatus</i>					5	
<i>Ranunculus psuedofluitans</i>	2				5	
<i>Ranunculus sceleratus</i>				1		1
<i>Rorippa nasturtium-aquaticum</i>	2					
<i>Rubus fruticosus</i>				4		
<i>Sagittaria sagittifolia</i>	2					
<i>Salix cinerea</i>			80	0		
<i>Salix sp</i>	2	3				
<i>Scrophularia auriculata</i>						1
<i>Sinapis arvensis</i>						1
<i>Solanum dulcamara</i>			2			
<i>Sonchus oleraceus</i>				1		

Section	River Wensum	River Wensum	Hall Ditch	Hall Ditch	Ringland Ditch	Ringland Ditch
<i>Sparganium emersum</i>	30					
<i>Sparganium erectum</i>		5	5			1
<i>Stachys officinalis</i>				2		1
<i>Urtica dioica</i>		5		10		
<i>Veronica anagallis-aquatica</i>		1			3	
<i>Veronica beccabunga</i>						3
<i>Veronica catenata</i>		1				



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