

Appendix C

Appendix C contains information on sediment sizes, obtained from borehole samples taken in the region of Howdon Yard (see Figure C.1). Seven samples were taken in the river. The results show that the sediment in this region varies extensively both across the channel, and with depth. This vast deviation from a standard sediment size meant that the adopted sieving procedure, did not always cater for smaller sediment sizes, hence occasionally the D_{16} information is omitted.

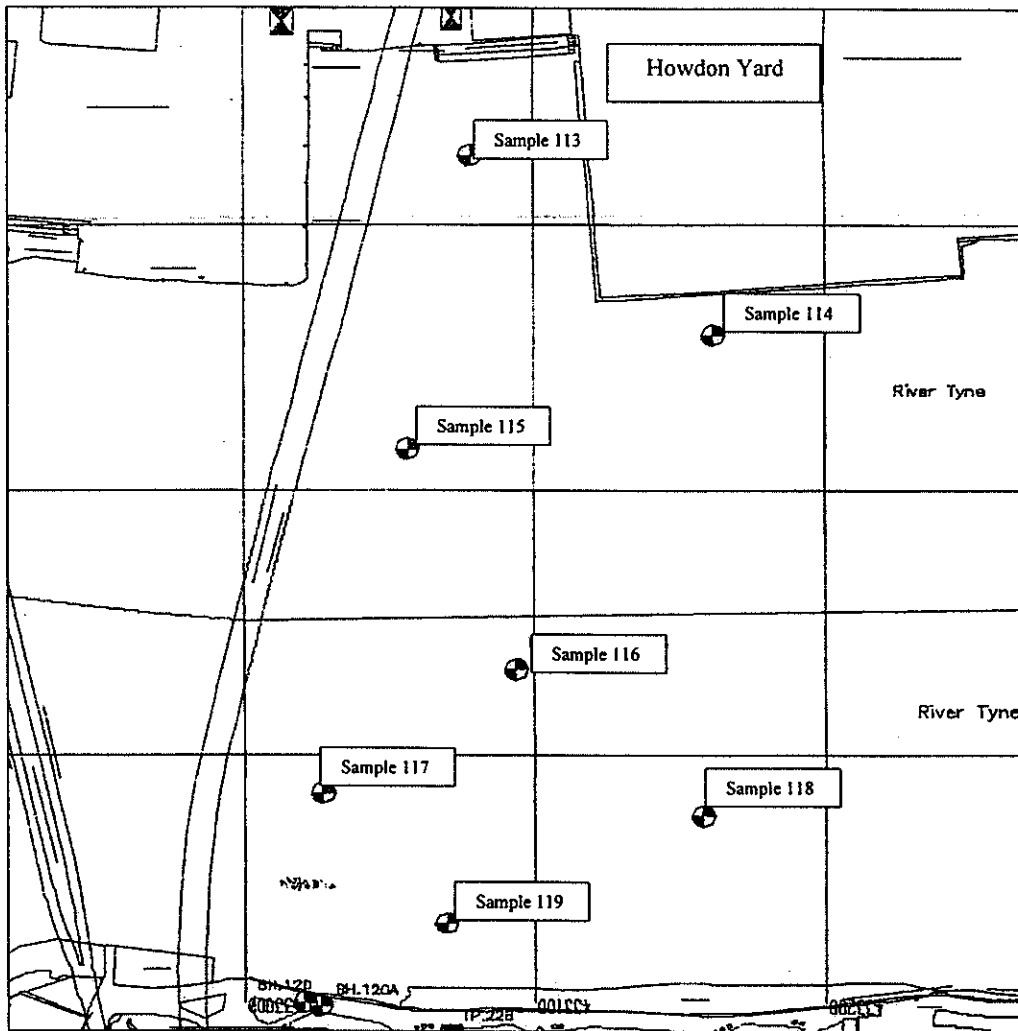


Figure C.1 Showing Locations of the 7 boreholes Drilled in the River Tyne at Howdon Yard.

Sample 113	Depth	0	2	3.1	4.2	5.3	6.8	10	12.5	13.8	
	D16	0.0029									
	D50	0.0104	0.0104	0.008	0.013	0.008	0.0023	0.007		0.011	
	D84	0.039	0.037	0.033	0.04	0.029	0.009	1.1	0.0608	0.28	
	D90	0.05	0.044	0.048	0.05	0.042	0.014	4	0.24	2.7	9
Sample 114	Depth	0.7	2.8	3.9	5.5	8.2					
	D16	0.035	0.0035	0.002		0.02					
	D50	0.35	0.044	0.011	0.8	0.0103					
	D84	0.59	0.68	0.038	0.06	0.055					
	D90	0.7	7	0.05	0.27	0.3					
Sample 115	Depth	0.7	3.1	5.7	7.9	9.2	11.2	12.3	13.2		
	D16		0.21	0.202	0.15	0.16	0.4	3.1	0.4		
	D50	0.3	0.4	0.31	0.24	0.28	7	33	12		
	D84	0.82	0.54	0.42	0.31	0.54	18	52	44		
	D90	1	0.6	0.43	0.37	0.7	20	58	46		
Sample 116	Depth	0	0.8	1.7	2	2.8	4.3	5.8	8	10.2	12.7
	D16			0.14	0.11	0.14	0.21	0.15	0.18	0.19	0.14
	D50	0.01	0.01	0.37	0.21	0.21	0.41	0.24	0.3	0.29	0.25
	D84	0.05	0.034	0.59	0.28	0.28	0.51	0.38	0.5	0.48	0.9
	D90	0.07	0.06	0.6	0.3	0.3	0.54	0.41	0.6	0.54	1.08
Sample 117	Depth	0	2.3	4.8	6.3	7	10				
	D16	0.003	0.002	0.0018							
	D50	0.023	0.0084	0.0094	0.017	0.28	0.0063				
	D84	0.06	0.02	0.023	0.3	0.4	0.25				
	D90	0.3	0.054	0.04	0.6	0.45	0.4				
Sample 118	Depth	0	0.75	2	3	4.1	4.5	7.8	9.5	11	13.7
	D16	0.0021	0.0034	0.0039		0.0063				0.11	22
	D50	0.014	0.01	0.01	0.02	0.04	0.03	0.25	0.21	0.4	62
	D84	0.05	0.08	0.025	0.23	0.5	0.3	0.49	0.39	0.5	70
	D90	0.09	0.19	0.108	0.28	0.7	0.37	0.51	0.407	0.6	71
Sample 119	Depth	0.5	1	2	3	3.8	4.2	5	6.9	8.95	
	D16	0.011	0.0077	0.003	0.005	0.02	0.018				
	D50	0.3	0.21	0.2	0.033	0.38	0.33	0.011	0.011	0.05	
	D84	1.4	40	0.93	0.8	18	1	0.2	1.4	1.7	
	D90	2.9	45	4	3	40	3.2	0.3	10.01	5	

Table C.1 Showing sediment size in mm from 7 borehole logs