

Appendix 2. Core samples analyzed for diatoms.

Sample ID	Depth in composite core (cm)	Lithology	Disturbance event (De)	
BR94E-15	15	Massive mud		
BR94E-20	20	Plant detritus bed		
BR94E-25	25	Massive mud		
BR94E-30	30	Black organic ooze	"Black soupy"	
BR94E-35	35	Massive mud		
BR94E-40	40	Massive mud		
BR94E-45	45	Massive mud		
BR94E-48	48	Massive mud		
BR94E-50	50	Massive mud		
BR94E-52	52	Black organic ooze	De1	
BR94E-54	54	Massive gyttja	De1	
BR94E-56	56	Massive gyttja	De1	
BR94E-58	58	Massive gyttja	De1	
BR94E-60	60	Plant detritus bed	De1	
BR94E-62	62	Massive mud		
BR94E-64	64	Massive mud		
BR94E-66	66	Massive mud		
BR94E-70	70	Massive mud		
BR94E-75	75	Massive mud		
BR94E-80	80	Massive mud		
BR94E-85	85	Massive mud		
BR94F-90	90	Intermittently laminated mud		
BR94F-95	95	Intermittently laminated mud		
BR94F-98	98	Finely laminated mud		
BR94F-100	100	Massive gyttja	De2	
BR94E-102	102	Massive gyttja	De2	
BR94E-104	104	Massive gyttja	De2	
BR94E-106	106	Massive gyttja	De2	
BR94E-111	111	Massive gyttja	De2	
BR94E-112	112	Massive gyttja	De2	
BR94E-113	113	Sand or sandy mud	De2	
BR94E-114	114	Massive mud		
BR94E-116	116	Laminated mud		

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Sample ID	Depth in composite core (cm)	Lithology	Disturbance event (De)	
BR94E-130	130	Laminated mud		
BR94E-135	135	Laminated mud		
BR94E-140	140	Laminated mud		
BR94E-145	145	Laminated mud		
BR94E-150	150	Laminated mud		
BR94E-154	154	Finely laminated mud		
BR94E-155	155	Massive gyttja	De4	
BR94E-157	157	Massive gyttja	De4	
BR94E-159	158.5	Massive gyttja	De4	
BR94E-160	160	Massive gyttja	De4	
BR94E-162	162	Massive mud		
BR94E-165	165	Massive mud		
BR94E-170	170	Massive mud		
BR94E-175	175	Intermittently laminated mud		
BR94E-180	180	Intermittently laminated mud		
BR94E-184	184	Finely laminated mud		
BR94E-186	186	Finely laminated mud		
BR94E-188	188	Massive gyttja	De5	
BR94E-190	190	Massive gyttja	De5	
BR94E-192	192	Massive gyttja	De5	
BR94E-194	194	Sandy mud	De5	
BR94E-196	196	Sandy mud	De5	
BR94E-198	198	Massive mud	De5	
BR94E-200	200	Muddy sand	De5	
BR94E-201	201	Massive gyttja	De6	
BR94E-203	203	Massive gyttja	De6	
BR94E-205	205	Medium-fine sand	De6	
BR94E-207	207	Medium-fine sand	De6	
BR94E-210	210	Massive mud		
BR94E-215	215	Laminated mud		
BR94E-220	220	Laminated mud		
BR94E-222	222	Laminated mud		
BR94E-225	225	Laminated mud		
BR94E-230	230	Massive mud		
BR94E-235	235	Laminated mud		
BR94E-240	240	Laminated mud		

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Sample ID	Depth in composite core (cm)	Lithology	Disturbance event (De)
BR94E-245	245	Laminated mud	
BR94E-250	250	Laminated mud	
BR94E-255	255	Laminated mud	
BR94E-260	260	Laminated mud	
BR94E-265	265	Laminated mud	
BR94E-270	270	Laminated mud	
BR94E-275	275	Laminated mud	
BR94E-280	280	Laminated mud	
BR94E-285	285	Laminated mud	
BR94E-290	290	Laminated mud	
BR94E-292	292	Laminated mud	
BR94E-294	294	Laminated mud	
BR94E-296	296	Finely laminated mud	
BR94E-298	298	Massive gyttja	De7
BR94E-300	300	Massive gyttja	De7
BR94E-301	301	Massive gyttja	De7
BR94E-302	302	Sand or sandy mud	De7
BR94E-304	304	Massive mud	
BR94E-306	306	Laminated mud	
BR94E-310	310	Massive mud	
BR94E-315	315	Laminated mud	
BR94E-320	320	Intermittently laminated mud	
BR94E-324	324	Intermittently laminated mud	
BR94E-326	326	Laminated mud	
BR94E-328	328	Finely laminated mud	
BR94E-330	330	Finely laminated mud	
BR94E-332	332	Massive gyttja	De8
BR94E-334	334	Massive gyttja	De8
BR94E-335	335	Sand or sandy mud	De8
BR94E-338	338	Sand or sandy mud	De8
BR94E-340	340	Intermittently laminated mud	
BR94E-344	344	Intermittently laminated mud	
BR94E-350	350	Laminated mud	
#####	360	Massive mud	
#####	362	Massive mud	
#####	363	Finely laminated mud	

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Sample ID	Depth in composite core (cm)	Lithology	Disturbance event (De)
#####	364	Massive gyttja	De9
#####	365	Massive gyttja	De9
#####	366	Massive gyttja	De9
#####	368	Massive gyttja	De9
#####	372	Laminated mud	
#####	382	Laminated mud	
#####	387	Laminated mud	
#####	393	Massive mud	
#####	394	Finely laminated mud	
#####	395	Massive gyttja	
#####	396	Finely laminated mud	
#####	397	Massive gyttja	De10
#####	398	Massive gyttja	De10
#####	400	Massive gyttja	De10
#####	402	Intermittently laminated mud	
#####	407	Massive mud	
#####	412	Massive mud	
BR94E-430	430	Intermittently laminated mud	
BR94E-433	433	Finely laminated mud	
BR94E-435	435	Massive gyttja	De11
BR94E-437	436.5	Massive gyttja	De11
BR94E-438	437.5	Massive gyttja	De11
BR94E-439	438.5	Plant detritus bed	De11
BR94E-440	440	Massive mud	
BR94E-445	445	Massive mud	
BR94E-450	450	Laminated mud	
BR94E-454	454	Intermittently laminated mud	
BR94E-458	458	Laminated mud	
BR94E-460	460	Finely laminated mud	
BR94E-462	462	Massive gyttja	De12
BR94E-464	464	Massive gyttja	De12
BR94E-466	466	Sand or sandy mud	De12
BR94E-470	470	Massive mud	
BR95X-437	473	Massive mud	
BR95X-440	476	Laminated mud	
BR95X-442	478	Laminated mud	

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Sample ID	Depth in composite core (cm)	Lithology	Disturbance event (De)	
BR95X-444	480	Finely laminated mud		
BR95X-446	482	Finely laminated mud		
BR95X-448	484	Finely laminated mud		
BR95X-449	484.5	Massive gyttja	De13	
BR95X-449	485	Massive gyttja	De13	
BR95X-450	486	Massive mud		
BR95X-453	489	Intermittently laminated mud		
BR95X-455	491	Intermittently laminated mud		
BR95X-456	492	Massive gyttja	De14	
BR95X-457	493	Massive gyttja	De14	
BR95X-458	494	Massive gyttja	De14	
BR95X-459	495	Massive gyttja	De14	
BR95X-460	496	Massive mud		
BR95X-462	498	Massive mud		
BR94E-515	515	Massive mud		
BR94E-525	525	Laminated mud		
BR94E-530	530	Laminated mud		
BR94E-533	533	Laminated mud		
BR94E-535	535	Laminated mud		
BR94E-537	536.5	Massive gyttja	De15	
BR94E-538	538	Massive gyttja	De15	
BR94E-540	540	Plant detritus bed	De15	
BR94E-550	550	Laminated mud		
BR94E-560	560	Intermittently laminated mud		
BR94E-570	570	Intermittently laminated mud		
BR94E-580	580	Intermittently laminated mud		
BR94E-585	585	Massive mud		
BR94E-590	590	Massive mud		
BR94E-595	595	Finely laminated mud		
BR94E-600	600	Finely laminated mud		
BR94E-603	602.5	Intermittently laminated mud		
BR94E-605	605	Intermittently laminated mud		
BR94E-607	607	Massive gyttja	De16	
BR94E-608	608	Plant detritus bed	De16	
BR94E-610	610	Massive mud		
BR94E-615	615	Massive mud		

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Sample ID	Depth in composite core (cm)	Lithology	Disturbance event (De)	
BR94E-620	620	Massive mud		
BR94E-624	624	Massive mud		
BR94E-628	628	finely laminated mud (very faint)		
BR94E-630	630	finely laminated mud (very faint)		
BR94E-632	632	finely laminated mud (very faint)		
BR94E-634	634	Sand or sandy mud	De17	
BR94E-636	636	Massive mud		
BR94E-640	640	Muddy peat		
BR94E-650	650	Muddy peat		
BR94E-660	660	Muddy peat		
BR94E-670	670	Muddy peat		
BR94E-680	680	Muddy peat		
BR94E-690	690	Muddy peat		