

Samples	Depth (cm)	Depth_mean (cm)	Thickness (cm)	Age median (Johanna parameters)	TOC_raw (%)	TOC_corr (%)	Peak_1_Ea (kJ/mol)	peak_1_area	Peak_2_Ea (kJ/mol)	peak_2_area	P1/P2 ratio	dO ₂ (μmol/g)	dO ₂ * (μmol/g TOC)	Stoichiometric ratio (O ₂ /C)	Time interval
IMB1.002	16-18	17	19.0	215	39.1	47.4	94.2	0.2	116.8	0.8	0.3	44021	92965	1.12	Late Holocene
IMB1.004	20-22	21	4.0	320	44.0	52.8	95.7	0.2	117.8	0.8	0.3	48271	91358	1.10	Late Holocene
IMB1.006	24-26	25	4.0	442	42.0	50.8	95.7	0.2	117.3	0.8	0.3	48832	92242	1.11	Late Holocene
IMB1.008	28-30	29	4.0	570	43.3	52.0	92.7	0.2	114.3	0.8	0.3	48998	94145	1.13	Late Holocene
IMB1.010	32-34	33	5.0	703	44.5	53.9	92.7	0.2	114.3	0.8	0.2	48114	89325	1.07	Late Holocene
IMB1.013	38-40	39	6.0	905	44.0	53.7	93.7	0.2	115.3	0.8	0.3	48111	85858	1.03	Late Holocene
IMB1.016	44-46	45	6.0	1007	41.9	50.9	95.2	0.2	116.8	0.8	0.3	48875	92121	1.11	Late Holocene
IMB1.019	50-52	51	6.0	1122	41.6	50.2	95.7	0.2	117.8	0.8	0.3	47286	94138	1.13	Late Holocene
IMB1.022	56-58	57	6.0	1240	45.8	55.5	95.7	0.2	117.3	0.8	0.3	46038	82966	1.00	Late Holocene
IMB1.025	62-64	63	5.0	1360	40.8	49.7	94.7	0.2	116.8	0.8	0.3	na	na	na	Late Holocene
IMB1.027	66-68	67	4.0	1435	42.1	51.1	94.7	0.2	116.3	0.8	0.3	47627	93282	1.12	Late Holocene
IMB1.029	70-72	71	4.0	1509	42.9	52.8	94.7	0.2	115.8	0.8	0.3	47154	89713	1.08	Late Holocene
IMB1.031	74-76	75	5.0	1572	41.9	50.8	95.2	0.2	116.8	0.8	0.3	46538	91535	1.10	Late Holocene
IMB1.034	80-82	81	6.0	1676	42.3	51.8	95.2	0.2	116.8	0.8	0.3	46767	90310	1.08	Late Holocene
IMB1.037	86-88	87	6.0	1782	41.7	50.8	95.2	0.2	116.8	0.8	0.3	46616	91824	1.10	Late Holocene
IMB1.040	92-94	93	4.0	1882	43.9	53.0	95.7	0.2	117.8	0.8	0.3	na	na	na	Late Holocene
IMB1.041	94-96	95	3.0	1917	44.8	54.1	95.2	0.2	117.3	0.8	0.3	44097	81471	0.98	Late Holocene
IMB1.043	98-100	99	3.0	2056	43.0	52.3	95.2	0.2	116.8	0.8	0.3	48117	92053	1.10	Ghost Interval
IMB1.044	100-102	101	2.0	2257	43.3	52.6	95.7	0.2	117.3	0.8	0.3	48924	92986	1.12	Ghost Interval
IMB1.045	102-104	103	2.0	2590	46.1	56.0	95.2	0.2	116.8	0.8	0.3	48473	86558	1.04	Ghost Interval
IMB1.046	104-106	105	2.0	2905	44.5	53.8	95.7	0.2	117.3	0.8	0.3	45042	91425	1.10	Ghost Interval
IMB1.047	106-108	107	2.0	3042	47.4	57.0	96.2	0.2	117.3	0.8	0.3	50205	88082	1.06	Ghost Interval
IMB1.048	108-110	109	2.0	3178	47.1	56.6	96.2	0.2	117.8	0.8	0.3	51913	91729	1.10	Ghost Interval
IMB1.049	110-112	111	3.0	3578	49.8	59.6	96.2	0.2	117.8	0.8	0.3	51313	90663	1.05	Ghost Interval
IMB1.051	114-116	115	3.0	4890	48.0	58.2	95.2	0.2	116.8	0.8	0.2	51270	88158	1.06	Ghost Interval
IMB1.052	116-118	117	2.0	5621	47.2	57.1	96.2	0.2	117.8	0.8	0.2	50465	88372	1.06	Ghost Interval
IMB1.053	118-120	119	3.0	6359	45.6	55.0	95.2	0.2	116.8	0.8	0.3	48693	86589	1.06	Ghost Interval
IMB1.055	122-124	123	4.0	7498	44.1	53.5	94.7	0.2	115.8	0.8	0.2	46984	87839	1.05	Ghost Interval
IMB1.057	126-128	127	3.0	8251	44.2	53.9	94.7	0.2	116.3	0.8	0.2	46949	87113	1.05	Early Holocene
IMB1.058	128-130	129	2.0	8438	43.2	52.6	94.2	0.2	115.8	0.8	0.2	na	na	na	Early Holocene
IMB1.059	130-132	131	3.0	8561	42.9	52.3	94.7	0.2	115.8	0.8	0.3	48858	89527	1.07	Early Holocene
IMB1.061	134-136	135	5.0	8649	42.8	52.0	94.2	0.2	115.8	0.8	0.2	45887	86280	1.06	Early Holocene
IMB1.064	140-142	141	4.0	8789	43.6	53.1	94.2	0.2	115.8	0.8	0.2	44072	82965	1.00	Early Holocene
IMB1.065	142-144	143	3.0	8837	43.1	52.3	94.7	0.2	115.8	0.8	0.3	45369	86790	1.04	Early Holocene
IMB1.067	146-148	147	3.0	8934	44.7	54.5	94.2	0.2	115.3	0.8	0.2	45036	82599	0.99	Early Holocene
IMB1.068	148-150	149	4.0	8989	44.2	54.3	94.2	0.2	115.3	0.8	0.2	44784	82542	0.99	Early Holocene
IMB1.071	154-156	155	6.0	9242	45.0	54.4	92.7	0.2	113.3	0.8	0.2	41573	76387	0.92	Early Holocene
IMB1.074	160-162	161	6.0	9571	42.3	51.6	92.7	0.2	113.3	0.8	0.2	40488	78480	0.94	Early Holocene
IMB1.077	166-168	167	6.0	9903	42.3	51.4	99.7	0.1	119.8	0.9	0.2	na	na	na	Early Holocene
IMB1.080	172-174	173	6.0	10227	42.4	51.5	93.2	0.1	113.3	0.9	0.2	42722	82945	1.00	Early Holocene
IMB1.083	178-180	179	4.0	10542	44.1	53.7	94.2	0.1	113.3	0.9	0.2	na	na	na	Early Holocene
IMB1.084	180-182	181	3.0	10711	42.5	51.5	94.2	0.1	113.8	0.8	0.2	42605	82673	0.99	Early Holocene
IMB1.086	184-186	185	5.0	11132	37.6	45.6	94.7	0.1	113.3	0.9	0.2	na	na	na	Deglacial
IMB1.089	190-192	191	4.0	18424	36.7	44.6	94.2	0.1	112.8	0.8	0.2	40221	90209	1.08	Deglacial
IMB1.090	192-194	193	3.0	19995	34.3	41.7	96.7	0.1	114.6	0.8	0.2	na	na	na	Deglacial
IMB1.092	196-198	197	5.0	21118	32.7	39.7	95.2	0.1	112.8	0.8	0.2	na	na	na	Last Glacial Maximum
IMB1.095	202-204	203	4.0	21475	26.6	32.5	96.2	0.1	112.3	0.9	0.1	27634	85086	1.02	Last Glacial Maximum
IMB1.096	204-206	205	3.0	21561	24.8	30.2	95.7	0.1	112.3	0.8	0.2	22711	75221	0.90	Last Glacial Maximum
IMB1.098	208-210	209	5.0	21762	21.6	26.4	97.2	0.1	113.3	0.9	0.1	22711	86115	1.03	Last Glacial Maximum
IMB1.101	214-216	215	4.0	22626	23.0	28.1	96.2	0.1	112.8	0.8	0.2	na	na	na	Last Glacial Maximum
IMB1.102	216-218	217	3.0	22760	21.1	25.7	96.2	0.1	113.3	0.8	0.2	na	na	na	Last Glacial Maximum
IMB1.104	220-222	221	5.0	22340	22.1	26.9	96.7	0.1	112.8	0.9	0.1	22345	84788	1.02	Last Glacial Maximum
IMB1.107	226-228	227	4.0	24337	20.3	24.7	101.3	0.2	119.8	0.8	0.2	na	na	na	Last Glacial Maximum
IMB1.108	228-230	229	3.0	24675	20.6	25.1	97.2	0.1	113.8	0.9	0.1	21618	86296	1.04	Last Glacial Maximum
IMB1.110	232-234	233	2.0	25465	18.8	23.1	96.7	0.1	112.8	0.9	0.1	na	na	na	Last Glacial Maximum