

Location (sample code)	Marine Isotope Stage (MIS)	<i>n</i>	Aerobic CO <sub>2</sub> production (mg CO <sub>2</sub> -C g <sup>-1</sup> OC)		Anaerobic CO <sub>2</sub> production (mg CO <sub>2</sub> -C g <sup>-1</sup> OC)		Anaerobic CH <sub>4</sub> production (mg CH <sub>4</sub> -C g <sup>-1</sup> OC)	
			134 days	785 days	134 days	785 days	134 days	785 days
Muostakh Island (MUO12)	Active layer	Not sampled						
	MIS 1	12	17.0 ± 11.9	n.d.	4.9 ± 4.2	n.d.	0	n.d.
	MIS 2	17	17.4 ± 12.9	n.d.	8.8 ± 5.2	n.d.	0	n.d.
	MIS 3	12	32.2 ± 15.6	n.d.	6.6 ± 5.6	n.d.	0	n.d.
Buor Khaya Peninsula (BK8)	Active layer	3	50.2 ± 16.9	126.8 ± 6.0	13.3 ± 3.5	33.1 ± 10.6	0.4 ± 0.2	11.4 ± 3.0
	MIS 1-LGT	15	6.1 ± 1.8	13.4 ± 4.5	4.1 ± 2.2	4.5 ± 4.1	0	0
	MIS 2	Not present in the core material						
	MIS 3	38	27.2 ± 11.7	42.2 ± 15.9	7.9 ± 2.5	11.0 ± 5.8	0	0.4 ± 2.1*
Bol'shoy Lyakhovsky Island (L14)	Active layer	6	4.3 ± 0.6	15.9 ± 2.8	5.0 ± 1.3	8.0 ± 2.7	0	0.2 ± 0.3*
	MIS 1-LGT	6	13.8 ± 2.4	32.6 ± 4.8	6.9 ± 2.3	7.8 ± 2.9	0	0
	MIS 2	Not present in the core material						
	MIS 3	18	9.2 ± 4.7	24.7 ± 11.1	6.6 ± 2.9	9.7 ± 7.0	0	0