

Variable	RF variable importance			Conditional variable importance		
	Porosity	Pore density	Pore area	Porosity	Pore density	Pore area
Surface area	34.98	11.54	10.39	0.53	0.03	0.02
Volume	21.4	1.95	8.29	0.14	0.01	0.02
Sea surface temperature	19.39	8.81	13.91	0.13	0.39	0.50
Oxygen	17.15	13.23	8.96	0.03	0.07	0.01
Morphotype	15.86	16.3	11.39	0.04	0.12	0.09
Latitude	15.68	9.54	11.31	0.07	0.16	0.20
Ambient temperature	15.14	12.74	17.2	0.05	0.21	0.16