

North American Soil Geochemical Landscapes Project
Soil Permeability Data

#	Site ID	Probe Depth (m)				Number of Weights Used				Time (seconds)				Air Flow (m³/s)				Permeability (estimated)											Permeability (measured)			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	5	6	7	8	9	10	11	1	2	3	4
1	NB071001	0.68	0.50			1	1			8	117			2.5E-04	1.7E-05													1.3E-11	9.2E-13			
2	NB071002	0.78				1																						2.0E-14				
3	NB071003	0.74	0.67			1	1			8	10			2.4E-04	2.0E-04													1.3E-11	1.1E-11			
4	NB071004	0.59	0.75			2	2											Medium	High	High	High	High					2.0E-14	2.0E-14				
5	NB071005	0.76	0.75	0.80	0.75	1	2	2	2	45			>180	4.4E-05				High	High	High	High	High					2.4E-12	2.0E-14	2.0E-14	2.0E-14		
6	NB071007	0.79	0.80			2	2											Water		Water		Water					2.0E-14	2.0E-14				
7	NB071009	0.72	0.73	0.50		2	2	2			3502	434				5.7E-07	4.6E-06	Low	Low	Medium	Medium	Low					2.0E-14	1.8E-14	1.4E-13			
8	NB071010	0.80	0.72			2	2			2	3			8.7E-04	5.9E-04			High	High	High	High	High					2.7E-11	1.8E-11				
9	NB071011	0.74	0.67			2	2											Low	Low		Low						2.0E-14	2.0E-14				
10	NB071012	0.80	0.80			2	2				48					4.2E-05		Low	High	Low	Low	Low					2.0E-14	1.3E-12				
11	NB071013	0.80	0.55			2	2			7	15			2.7E-04	1.3E-04			High	High	Medium	High	Medium					8.5E-12	4.1E-12				
12	NB071014	0.50	0.63			1	1			9	4			2.1E-04	4.8E-04			High	High	High	High	High					1.1E-11	2.6E-11				
13	NB071015	0.80	0.80			2	2											Low	Low	Water		Water					2.0E-14	2.0E-14				
14	NB071016	0.70	0.60			2	2			10	36			2.0E-04	5.6E-05			High	High	Medium	Low	High					6.3E-12	1.8E-12				
15	NB071017	0.60	0.70			2	2			66	132			3.0E-05	1.5E-05			High	Medium	High	High						9.4E-13	4.7E-13				
16	NB071018	0.80	0.60			2	2											Medium	Low	Low	High	Low					2.0E-14	2.0E-14				
17	NB071019	0.80	0.80			2	2			9	175			2.3E-04	1.1E-05			High	High	High	High	Medium					7.0E-12	3.5E-13				
18	NB071020	0.70	0.72			1	2			84	5			2.4E-05	4.3E-04			High	High	High	Low	High	High				1.3E-12	1.3E-11				
19	NB071021	0.71	0.73			2	2			79				2.5E-05				High	Medium	Medium	Medium	High					7.9E-13	2.0E-14				
20	NB071022	0.66	0.80			2	2			13	62			1.5E-04	3.2E-05			High	High	Medium	Low	Medium					4.8E-12	1.0E-12				
21	NB071023																	High	Medium	High	High	Medium										
22	NB071024	0.70	0.80			2	2			220	2737			9.1E-06	7.3E-07			Medium		Low	Low	Low					2.8E-13	2.3E-14				
23	NB071025	0.80	0.80			2	2				19					1.0E-04		Low	High	High	High	High					2.0E-14	3.3E-12				
24	NB071027	0.80	0.80			1	1			16	4			1.2E-04	5.2E-04			High	High	High	High	High					6.7E-12	2.8E-11				
25	NB071028	0.80	0.80			1	1			5	4			4.0E-04	4.5E-04												2.2E-11	2.5E-11				
26	NB071029	0.80	0.80			1	1			69	28			2.9E-05	7.2E-05			High	High	Medium	Low	High					1.6E-12	3.9E-12				
27	NB071030	0.80	0.80			2	2											Low	Low	Low	Low	Low					2.0E-14	2.0E-14				
28	NB071031	0.77	0.75			2	2			3	3			5.9E-04	6.5E-04			High	High	High	High	High					1.8E-11	2.0E-11				
29	NB071032	0.80	0.80			2				1402				1.4E-06				High	Medium	Medium	Low						4.4E-14					
30	NB071033	0.80	0.80			2	2											Medium	Low	Low	Low	Low					2.0E-14	2.0E-14				
31	NB071034	0.70	0.80			2	2			47	2340			4.3E-05	8.5E-07			Medium	High	Medium	High	High					1.3E-12	2.7E-14				
32	NB071035	0.60	0.57			2	2			9	42			2.2E-04	4.8E-05			High	High	High	High	High					6.7E-12	1.5E-12				
33	NB071036	0.80	0.80			2	2				1480					1.4E-06		Low	Low	High	Medium	Low					2.0E-14	4.2E-14				
34	NB071037	0.80	0.80			2	2											Low	Low	Water	Water	Low					2.0E-14	2.0E-14				
35	NB071038	0.45	0.60			2	2			23	3510			8.7E-05	5.7E-07			Low	Low	Low	Low		Low				2.7E-12	1.8E-14				
36	NB071039	0.80	0.80			2	2																				2.0E-14	2.0E-14				
37	NB071040	0.80	0.54			2	2			4	4			4.7E-04	5.2E-04			High	High	High	High	High					1.5E-11	1.6E-11				
38	NB071041	0.65	0.80			2	2			231				8.6E-06				Medium	Low	Low	Medium						2.7E-13	2.0E-14				
39	NB071042	0.70	0.60			2	2				166					1.2E-05		Medium	High	High	High	High					2.0E-14	3.8E-13				
40	NB071043	0.80	0.80			2	2			11	12			1.9E-04	1.6E-04			High	High	High	High	High					5.9E-12	5.1E-12				
41	NB071044	0.65	0.54			2	2			10	5			1.9E-04	3.8E-04			High	High	High	High	High					6.0E-12	1.2E-11				
42	NB071045	0.80	0.55			2	2			10	3			2.0E-04	7.5E-04			High	High	High	High	High					6.1E-12	2.3E-11				
43	NB071046	0.80	0.80			2	2			316	335			6.3E-06	6.0E-06			Medium	Medium	Low	Low						2.0E-13	1.9E-13				
44	NB071047	0.80	0.80			2	2			1320				1.5E-06				High	Low	High	High	Low	High				4.7E-14	2.0E-14				
45	NB071048	0.75	0.80			2	2			39	952			5.1E-05	2.1E-06			High	Medium	High	Low	Medium					1.6E-12	6.5E-14				
46	NB071049	0.80	0.72			2	2			30	86			6.7E-05	2.3E-05			High	High	High	Medium						2.1E-12	7.3E-13				
47	NB071050	0.80	0.80			2	2			13	7			1.5E-04	2.9E-04												4.8E-12	8.9E-12				
48	NB071051	0.80	0.80			2	2			2460				8.1E-07													2.5E-14	2.0E-14				
49	NB071052	0.80	0.80			2	2			747	9			2.7E-06	2.2E-04												8.3E-14	6.9E-12				
50	NB071054	0.70	0.80			2	2			9	47			2.3E-04	4.3E-05			High	High	High	High	High					7.2E-12	1.3E-12				
51	NB071055	0.65	0.65			2	2											Medium									2.0E-14	2.0E-14				
52	NB071056	0.57	0.51			2	2			2640	645			7.6E-07	3.1E-06				Water									2.4E-14	9.6E-14			

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		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	5	6	7	8	9	10	11	1	2	3	4
53	NB072001	0.76	0.80			2	2			10	5			2.0E-04	4.0E-04			High	High	High	Medium	High						6.2E-12	1.2E-11			
54	NB072002	0.80	0.80			2	2											Low	Low	Low	Low	Low						2.0E-14	2.0E-14			
	NB072002B	0.80	0.80															Low	Low	Low	Low	Low	Low	Low	Low	Low	Low					
55	NB072003	0.80	0.80			2	2			74	193			2.7E-05	1.0E-05			High	Medium	Low	High	Low						8.4E-13	3.2E-13			
56	NB072004	0.51	0.53			2	2			3	15			6.7E-04	1.3E-04			High	High	High	High	High						2.1E-11	4.1E-12			
57	NB072005	0.54	0.54			2	2											Medium	Low	Medium	High	Low						2.0E-14	2.0E-14			
58	NB072006	0.58	0.52			2	2				326				6.1E-06			Medium	Medium	Low	High	Low						2.0E-14	1.9E-13			
	NB072006B	0.51	0.48															High	High	High	Medium	High	High	High								
59	NB072007	0.80	0.80			2	2			39	81			5.1E-05	2.5E-05			High	High	High	Medium	Medium						1.6E-12	7.7E-13			
60	NB072009	0.80	0.80			2	2			776				2.6E-06				Medium	Low			Medium						8.0E-14	2.0E-14			
61	NB072010	0.80	0.55			2	2			105	3			1.9E-05	6.7E-04			High	High	Medium	Medium	High						5.9E-13	2.1E-11			
62	NB072011	0.80	0.80			2	2			16	7			1.3E-04	2.9E-04			High	High	Medium	Medium	High						3.9E-12	8.9E-12			
63	NB072012	0.60	0.50			2	2			12	30			1.7E-04	6.7E-05			High	High	High	High	High						5.4E-12	2.1E-12			
64	NB072013	0.60	0.65			2	2			5	22			4.4E-04	9.3E-05			High	High	High	High	High						1.4E-11	2.9E-12			
65	NB072014	0.80	0.80			2	2			6	9			3.6E-04	2.3E-04			High	High	Medium	High	High						1.1E-11	7.2E-12			
66	NB072015	0.80	0.80			2	2			36	24			5.6E-05	8.4E-05			High	High	High	High	High						1.7E-12	2.6E-12			
67	NB072016	0.80	0.80			1	1			3	4			6.3E-04	5.7E-04			High	High	High	High	High						3.4E-11	3.1E-11			
68	NB072017	0.80	0.75			2	2			2	3			8.6E-04	6.3E-04			High	High	High	High	High						2.7E-11	2.0E-11			
69	NB072018	0.78	0.76	0.70		2	2	2		19	26	22		1.1E-04	7.7E-05	9.1E-05		High	High	High	High	High						3.3E-12	2.4E-12	2.8E-12		
70	NB072019	0.80	0.60			2	2			6	7			3.5E-04	3.0E-04			High	High	Low		High						1.1E-11	9.3E-12			
	NB072019B	0.70	0.80															High	Low	High	Low	High	Medium	High	High	High	Low	Low				
71	NB072020	0.60	0.80			2	2			41	9			4.9E-05	2.3E-04			Medium	High	High	High	High						1.5E-12	7.2E-12			
72	NB072021	0.80	0.80			2	2											Low		Low		Low	Low	Low				2.0E-14	2.0E-14			
73	NB072022	0.50	0.80			2	2											Low	Low	Low	Low							2.0E-14	2.0E-14			
74	NB072023	0.80	0.80			2	2											Low	Low	Low	Low	Low	Low					2.0E-14	2.0E-14			
75	NB072024	0.60	0.55			2	2			7	67			2.8E-04	3.0E-05			High	High	High	High	High						8.6E-12	9.3E-13			
76	NB072026	0.69	0.80			2	2			969				2.1E-06				Medium		High	High	High						6.4E-14	2.0E-14			
77	NB072027	0.80	0.80			2	2											Low	Low	Low	Low	Low						2.0E-14	2.0E-14			
78	NB072028	0.80	0.80			2	2											Low	Low	Low	Medium	Low	High					2.0E-14	2.0E-14			
79	NB072029	0.80	0.69			2	2				1826				1.1E-06			Low	Low	Low	High	Low						2.0E-14	3.4E-14			
80	NB072030	0.80	0.73			2	2			4	6			5.0E-04	3.3E-04			High	High	High	Medium	High						1.6E-11	1.0E-11			
81	NB072031	0.80	0.80			2	2											Low		Low	Low	Low						2.0E-14	2.0E-14			
82	NB072032	0.80	0.79			2	2			39	2650			5.1E-05	7.5E-07			High	Low	Medium	Low	Low						1.6E-12	2.3E-14			
83	NB072033	0.80	0.80			2	2			33	187			6.1E-05	1.1E-05			High	Medium	Medium	Low	High						1.9E-12	3.3E-13			
84	NB072034	0.74	0.54			2	2			19	12			1.1E-04	1.7E-04			High	High	High	Medium	High						3.3E-12	5.2E-12			
85	NB072035	0.80	0.80			2	2			6	73			3.3E-04	2.7E-05			High	High	High	High	Medium						1.0E-11	8.5E-13			
86	NB072036	0.80	0.80			2	2			70	3			2.9E-05	6.7E-04			High	High	High	High	High						8.9E-13	2.1E-11			
87	NB072037	0.80	0.80			2	2			12	317			1.7E-04	6.3E-06			High	High	High	High	High						5.2E-12	2.0E-13			
88	NB072038	0.80	0.80			2	2			3	3			6.7E-04	6.7E-04			High	High	High	High	High						2.1E-11	2.1E-11			
89	NB072039	0.80	0.80			2	2			32	41			6.3E-05	4.9E-05			High	High	High	Medium							1.9E-12	1.5E-12			
90	NB072040	0.80	0.80			2	2			22	12			9.1E-05	1.7E-04			High	High	High	High	High						2.8E-12	5.2E-12			
91	NB072041	0.80	0.80			2	2			3	3			6.7E-04	8.0E-04			High	High	High	High	High						2.1E-11	2.5E-11			
92	NB072042	0.80	0.80			2	2				320				6.3E-06			Medium	High	Medium	Medium	Low						2.0E-14	1.9E-13			
93	NB072043	0.80	0.80			2	2			133	1130			1.5E-05	1.8E-06			Medium	Medium	Medium	Medium	High						4.7E-13	5.5E-14			
94	NB072044	0.80	0.80			2	2			56	105			3.6E-05	1.9E-05			High	High	Medium	High							1.1E-12	5.9E-13			
95	NB072045	0.70	0.70			2	2			47	1200			4.2E-05	1.7E-06			High	Low	High	High	High						1.3E-12	5.2E-14			
96	NB072046	0.80	0.70			2	2											Low	High	Low	Low	Low						2.0E-14	2.0E-14			
97	NB072047	0.75	0.80			2	2			2400				8.3E-07				Low	Low	Low	Medium	Low		Low	Low			2.6E-14	2.0E-14			
98	NB072048	0.80	0.80			2	2				121				1.7E-05			Low	Medium	Low	High	Low						2.0E-14	5.2E-13			
99	NB072050	0.80	0.80			2	2											Low	Medium	Low	Medium	Low						2.0E-14	2.0E-14			
100	NB072051	0.73	0.80	0.80		2	2	2		420	2700	840		4.8E-06	7.4E-07	2.4E-06		Medium	Low	Medium	High	Medium						1.5E-13	2.3E-14	7.4E-14		
101	NB072052	0.80	0.80			2																										

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		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	5	6	7	8	9	10	11	1	2	3	4
102	NB072053	0.80	0.51			2	2			3	7			7.8E-04	2.8E-04			High	High	High	High	High						2.4E-11	8.7E-12			
103	NB072054	0.76	0.80			2	2			5420	4836			3.7E-07	4.1E-07			Medium	Medium	Low	Medium	High						1.1E-14	1.3E-14			
104	NB072055	0.68	0.78			2	2			4	3			5.6E-04	6.5E-04			High	High	High	High	High						1.7E-11	2.0E-11			
105	NB072056	0.80	0.80			2	2			5	15			4.2E-04	1.3E-04			High	High	High	High	High						1.3E-11	4.0E-12			
106	NB072057	0.60	0.55			2	2			3	6			6.0E-04	3.2E-04			High	High	High	High	High						1.9E-11	9.8E-12			
107	NB072058	0.80	0.80			2	2			3600	120			5.6E-07	1.7E-05			Low	High	Medium	High	High						1.7E-14	5.2E-13			
108	NB072059	0.80	0.80			2	2			4	25			5.7E-04	7.9E-05			High	High	High	High	High						1.8E-11	2.5E-12			
109	NB072060	0.70	0.80			2	2			4	64			4.9E-04	3.1E-05			High	High	Medium	High	High						1.5E-11	9.7E-13			
110	NB072061	0.80	0.80			2	2			142	2400			1.4E-05	8.3E-07			Medium	Medium	High	High	High						4.4E-13	2.6E-14			
111	NB072062	0.80	0.80	0.68		2	2		2		7	44			3.0E-04	4.5E-05		Low	High	High	Low	High						2.0E-14	9.3E-12	1.4E-12		
112	NB072063	0.55	0.50			2	2			27	8			7.4E-05	2.5E-04			High	High	High	High	High						2.3E-12	7.8E-12			
113	NB072064	0.80	0.80			2	2			174	105			1.1E-05	1.9E-05			High	High	High	High	High						3.6E-13	5.9E-13			
114	NB072065	0.64	0.56			2	2			28	51			7.3E-05	4.0E-05			High	High	High	High	High						2.3E-12	1.2E-12			
115	NB072066	0.80	0.65	0.80		2	2		2		3	1500			8.0E-04	1.3E-06		Low	Medium	Low	Low	High						2.0E-14	2.5E-11	4.1E-14		
116	NS071001	0.64	0.64	0.50		1	1		1	13		5		1.5E-04		4.0E-04		Low	Low	Medium	High	High						8.1E-12	2.0E-14	2.2E-11		
117	NS071002	0.67	0.60	0.68		2	1		1	44	5	47		4.5E-05	3.8E-04	4.2E-05		High	High	High	High	High						1.4E-12	2.0E-11	2.3E-12		
118	NS071003	0.60	0.57			1	1			70	46			2.9E-05	4.3E-05			High	High	High	High	High						1.5E-12	2.3E-12			
119	NS071004	0.71	0.50	0.58		2	2		2		36				5.6E-05			Low	High	Medium	Low	Low						2.0E-14	1.7E-12	2.0E-14		
120	NS071005	0.66	0.50	0.72		2	2		2									Low	Medium	Low	Low	Low						2.0E-14	2.0E-14			
121	NS071006	0.69	0.61			2	2											Low	Low	Low	High	Low						2.0E-14	2.0E-14			
122	NS071007	0.65	0.63	0.50		2	2		2									Low	Low	Low	Low	Low						2.0E-14	2.0E-14			
123	NS071008	0.70	0.71	0.50		2	2		2									Low	Low	Low	Low	Low						2.0E-14	2.0E-14			
124	NS071009	0.70	0.69			2	2			5	11			3.9E-04	1.8E-04			High	High	High	High	High						1.2E-11	5.5E-12			
125	NS071010	0.62	0.62			2	2				824				2.4E-06			Low	Medium	High	Low	Low	Medium	High				2.0E-14	7.6E-14			
126	NS071011	0.66	0.67			2	2			78				2.6E-05				High	Low	Low	High	High						8.0E-13	2.0E-14			
127	NS071012	0.74	0.66			2	2			12	44			1.6E-04	4.5E-05			High	High	High	High	High						8.2E-14	2.3E-14			
128	NS071013	0.62	0.62			2	2			110	8			1.8E-05	2.5E-04			High	High	High	High	High						5.7E-13	7.8E-12			
129	NS071014	0.71	0.73			2	2			2086	265			9.6E-07	7.5E-06			Low	High	High	High	High						3.0E-14	2.3E-13			
130	NS071015	0.71	0.66			2	2			182	244			1.1E-05	8.2E-06			High	High	Low	High	High						3.4E-13	2.6E-13			
131	NS071016	0.66	0.50			2	2											Low	Low	Low	Low	Low						2.0E-14	2.0E-14			
132	NS071017	0.58	0.53			2	1			5	4			4.0E-04	5.0E-04			High	High	High	High	High						2.7E-11	1.2E-11			
133	NS071019	0.61	0.60			1	2			4	146			5.0E-04	1.4E-05			High	High	High	High	High						2.7E-11	4.3E-13			
134	NS071020	0.55	0.78			2	2			44	27			4.5E-05	7.4E-05			High	High	Low	High	High						1.4E-12	2.3E-12			
135	NS071021	0.62	0.57			2	2			100	19			2.0E-05	1.1E-04			High	High	High	High	High						6.2E-13	3.3E-12			
136	NS071022	0.52	0.43			2	2			4	7			5.0E-04	2.9E-04			High	High	High	High	High						1.6E-11	8.9E-12			
137	NS071023	0.74	0.81			2	2											Low	Low	Low	High	Low						2.0E-14	2.0E-14			
138	NS071024	0.63	0.62			2	2											Low	Low	High	Low	Low						2.0E-14	2.0E-14			
139	NS071025	0.67	0.69			2	2			1470				1.4E-06				Low	Low	Low	Low	Low						4.2E-14	2.0E-14			
140	NS071026																											Water	Water			
141	NS071027	0.58	0.55			2	2			434				4.6E-06				High	Low	High	Low	High						1.4E-13	2.0E-14			
142	NS071028	0.63	0.66			2	2											Low	Low	Low	Low	Low						2.0E-14	2.0E-14			
143	NS071029	0.60	0.68	0.68		2	2		2	11				1.8E-04				High	Low	High	Low	Low						5.7E-12	2.0E-14			
144	NS071030	0.33	0.34			2	2			17	4			1.2E-04	5.0E-04			High	High	High	High	High						3.7E-12	1.6E-11			
145	NS071031	0.61	0.58			2	2											Low	Low	Low	Low	Low						2.0E-14	2.0E-14			
146	NS071032	0.72	0.59			2	2			308	155			6.5E-06	1.3E-05			High	High	High	High	High						2.0E-13	4.0E-13			
147	NS071033	0.62	0.71			2	2			11	36			1.8E-04	5.6E-05			High	High	High	High	High						5.7E-12	1.7E-12			
148	NS071034	0.68	0.65			2	2											Low	Low	Low	Low	Low						2.0E-14	2.0E-14			
149	NS071036	0.61	0.67			2	2			735	4			2.7E-06	5.0E-04			Low	High	Low	High	High						8.5E-14	1.6E-11			
150	NS071037	0.41	0.48			2	2			4	3			5.0E-04	6.7E-04			High	High	High	High	High						1.6E-11	2.1E-11			
151	NS071038	0.75	0.73			2	2			1283				1.6E-06																		

North American Soil Geochemical Landscapes Project
Soil Permeability Data

#	Site ID	Probe Depth (m)				Number of Weights Used				Time (seconds)				Air Flow (m³/s)				Permeability (estimated)											Permeability (measured)			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	5	6	7	8	9	10	11	1	2	3	4
154	NS071041	0.40	0.40			2	2			11	3			1.8E-04	6.7E-04			High	High	High	High	High							5.7E-12	2.1E-11		
155	NS071042	0.63	0.68			2	2			232	1480			8.6E-06	1.4E-06			High	High	Low	High	Medium							2.7E-13	4.2E-14		
156	NS071043	0.65	0.66			1	1			4	8			5.0E-04	2.5E-04			High	High	High	High	High							2.7E-11	1.4E-11		
157	NS071044	0.70	0.58			1	1			5	38			4.0E-04	5.3E-05			High	High	High	High	High							2.2E-11	2.8E-12		
158	NS071045	0.62	0.64			2	2			6	3			3.3E-04	6.7E-04			High	High	High	High	High							1.0E-11	2.1E-11		
159	NS071046	0.65	0.60			2	2			21	53			9.5E-05	3.8E-05			High	Medium	Low	High	High							3.0E-12	1.2E-12		
160	NS071047	0.59	0.61			2	2											Low	Low	Low	Low	Low							2.0E-14	2.0E-14		
161	NS071048	0.60	0.71			2	2			37	5			5.4E-05	4.0E-04			High	High	High	Low	High							1.7E-12	1.2E-11		
162	NS071049	0.59	0.64			2	2			9	89			2.2E-04	2.2E-05			High	High	High	High	Low							6.9E-12	7.0E-13		
163	NS071050	0.80	0.80			2	2			145				1.4E-05				High	Low	Low	Low	High							4.3E-13	2.0E-14		
164	NS071052	0.53	0.64			2	2			5	24			4.0E-04	8.3E-05			High	High	High	Low	High							1.2E-11	2.6E-12		
165	NS071053																															
166	NS071054	0.65	0.58			2	2			235	9			8.5E-06	2.2E-04			High	High	High	Low	High							2.6E-13	6.9E-12		
167	NS071055	0.64	0.60			2	2			3	4			6.7E-04	5.0E-04			High	High	High	High	High							2.1E-11	1.6E-11		
168	NS071056	0.70	0.60			2	2			110	5			1.8E-05	4.0E-04			Low	High	Low	High	High							5.7E-13	1.2E-11		
169	NS071057	0.59	0.67			2	2			93	185			2.2E-05	1.1E-05			High	Low	High	High	Low							6.7E-13	3.4E-13		
170	PE071001	0.74	0.64			2	2			1686	1676			1.2E-06	1.2E-06			Medium	Low	Medium	Medium	Medium							3.7E-14	3.7E-14		
171	PE071002	0.75	0.57			2	2			110	277			1.8E-05	7.2E-06			Medium	Medium	Medium	Low	Low							5.6E-13	2.2E-13		
172	PE071003	0.71	0.65	0.50		2	2	2		> 33 mins	>20 mins	249				8.0E-06		Low	Medium	Low	Medium	Medium							2.0E-14	2.0E-14	2.5E-13	
173	PE071004	0.68	0.70			2	2			531	>23 mins			3.8E-06				Medium	Medium	Medium	Medium	Low							1.2E-13	2.0E-14		
174	PE071005	0.50	0.65			2	2			291	1131			6.9E-06	1.8E-06			High	Medium	High	Medium	Medium							2.1E-13	5.5E-14		
175	PE071006	0.67	0.52			2	2			1082	919			1.8E-06	2.2E-06			Medium	Medium	Low	Low	Low							5.8E-14	6.8E-14		
176	PE071007	0.71	0.52	0.80	0.78	2	2	2	2	17	19	20	881	1.2E-04	1.1E-04	9.8E-05	2.3E-06	High	High	Medium	High	Medium							3.6E-12	3.4E-12	3.1E-12	7.1E-14
177	PE071008	0.55	0.55	0.78	0.76	2	2	2	2	12	18	79	50	1.7E-04	1.1E-04	2.5E-05	4.0E-05	High	High	High	High	High							5.3E-12	3.5E-12	7.9E-13	1.2E-12
178	PE071009	0.60	0.53			2	2			>29 mins	268				7.5E-06			Medium	Medium										2.0E-14	2.3E-13		

Explanatory Notes:

Probe Depth (m)	Depth to bottom of each individual hollow steel tube from which a soil permeability measurement was attempted
Number of Weights Used	Number of weights (1 or 2) attached to Radon-JOK Permeability apparatus, used for permeability calculation.
Time (seconds)	Time (seconds) required for Radon-JOK apparatus to extract 2000 ccm of soil gas, used to calculate air flow (Air flow= 0.002/Time (sec))
Air Flow (m ³ /s)	A calculated value used for permeability calculations.
Permeability (estimated)	Estimated permeability (Low, Medium, High) based on the relative resistance encountered while collecting the soil gas sample using the graduated syringe.
Permeability (measured)	Measured permeabilty (m ²) determined by using the Radon-JOK Permeability apparatus; Perm = (Air Flow * 0.0000175)/(0.15*2160 or 3750); 2160 for 1 weight, 3750 for 2 weights; Red numbers are a default value used if no movement seen after first 5 minutes.