North American Soil Geochemical Landscapes Project

Soil Radon Potential Index (SRP)

#	Site ID	Volume corrected soil gas radon concentration (kBq/m3)											Permeability - estimated													
		1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11	1	2	3
1	NB071001	33.6	35.2	18.9	38.2	13.9																		1.32E-11	9.21E-13	
2	NB071002	13.1	8.7	63.5	64.8	0.4																		2.00E-14		
3	NB071003	52.7	49.1	49.3	12.2	58.0																		1.31E-11	1.06E-11	
4	NB071004		117.0		40.5	29.3							Medium	High	High	High	High							2.00E-14	2.00E-14	5.34E-12
5	NB071005	89.3	59.9	51.6	56.5	50.3							High	High	High	High	High							2.39E-12	2.00E-14	2.00E-14
6	NB071007		0.4		30.7								Water		Water		Water							2.00E-14	2.00E-14	Water
7	NB071009	0.4	1.1	21.4	38.9	2.0							Low	Low	Medium	Medium	Low							2.00E-14	1.78E-14	1.43E-13
8	NB071010	23.0	15.5	12.7	25.1	38.9							High	High	High	High	High							2.69E-11	1.84E-11	5.34E-12
9	NB071011	0.4	0.4										Low	Low		Low								2.00E-14	2.00E-14	
10	NB071012	46.6	36.9	31.0	50.5	73.6							Low	High	Low	Low	Low							2.00E-14	1.31E-12	2.00E-14
11	NB071013	22.6	17.3	22.3	16.5	21.1							High	High	Medium	High	Medium							8.49E-12	4.09E-12	1.32E-13
12	NB071014	36.0	20.2	28.9	25.1	33.9							High	High	High	High	High							1.14E-11	2.57E-11	5.34E-12
13	NB071015	17.0	3.6		5.9								Low	Low	Water		Water							2.00E-14	2.00E-14	Water
14	NB071016	9.0	10.3	31.8	7.7	13.6							High	High	Medium	Low	High							6.34E-12	1.75E-12	1.32E-13
15	NB071017	8.9	33.4	37.3	23.1								High	Medium	High	High								9.40E-13	4.72E-13	5.34E-12
16	NB071018	140.0	84.8	0.7	84.4	4.0							Medium	Low	Low	High	Low							2.00E-14	2.00E-14	2.00E-14
17	NB071019	21.0	16.1	26.8	11.4	5.2							High	High	High	High	Medium							7.04E-12	3.55E-13	5.34E-12
18	NB071020	0.4	0.4	0.4	0.4	0.4	16.4						High	High	High	Low	High	High						1.29E-12	1.34E-11	5.34E-12
19	NB071021	157.0	41.1	146.0	0.4	9.0							High	Medium	Medium	Medium	High							7.88E-13	2.00E-14	1.32E-13
20	NB071022	22.4	38.8	16.1	25.5	30.1							High	High	Medium	Low	Medium							4.77E-12	1.01E-12	1.32E-13
21	NB071023	11.0	21.1	23.2	14.8	38.4							High	Medium	High	High	Medium									5.34E-12
22	NB071024	32.3	92.0	0.3	29.4	12.1							Medium		Low	Low	Low							2.83E-13	2.27E-14	2.00E-14
23	NB071025	0.4	39.9	31.4	18.2	72.2							Low	High	High	High	High							2.00E-14	3.25E-12	5.34E-12
24	NB071027	17.6	18.5	19.2	17.0	14.9							High	High	High	High	High							6.68E-12	2.81E-11	5.34E-12
25	NB071028	26.1	24.2	52.7	39.4	54.7																		2.17E-11	2.46E-11	
26	NB071029	37.0	33.2	20.3	46.8	25.1							High	High	Medium	Low	High							1.57E-12	3.87E-12	1.32E-13
27	NB071030	0.4	0.4	0.4	0.4	0.4							Low	Low	Low	Low	Low							2.00E-14	2.00E-14	2.00E-14
28	NB071031	16.9	16.7	2.2	20.1	23.9							High	High	High	High	High							1.83E-11	2.03E-11	5.34E-12
29	NB071032	49.1	56.2	20.9	23.6	25.9							High	Medium	Medium	Low								4.44E-14	1.32E-13	1.32E-13
30	NB071033	28.0	5.1	0.4	14.0	4.9							Medium	Low	Low	Low	Low							2.00E-14	2.00E-14	2.00E-14
31	NB071034	26.7	14.5	26.5	8.1	37.4							Medium	High	Medium	High	High							1.33E-12	2.66E-14	1.32E-13
32	NB071035	3.2	5.5	6.9	8.5	2.8							High	High	High	High	High							6.75E-12	1.49E-12	5.34E-12
33	NB071036	18.6	1.8	8.2	6.5	10.2							Low	Low	High	Medium	Low							2.00E-14	4.20E-14	5.34E-12
34	NB071037	2.6	0.4			0.4							Low	Low	Water	Water	Low							2.00E-14	2.00E-14	Water
35	NB071038												Low	Low	Low	Low		Low						2.69E-12	1.77E-14	2.00E-14
36	NB071039	150.0	1.9	0.7	0.4	86.6																		2.00E-14	2.00E-14	
37	NB071040	104.0	69.5	47.8	64.8	118.0							High	High	High	High	High							1.45E-11	1.60E-11	5.34E-12
38	NB071041	23.0	1.5	1.0	32.0	6.3							Medium	Low	Low	Medium								2.69E-13	2.00E-14	2.00E-14
39	NB071042	1.5	36.5	46.8	31.0	12.4							Medium	High	High	High	High							2.00E-14	3.75E-13	5.34E-12
40	NB071043	15.2	14.5	8.8	26.1	19.7							High	High	High	High	High							5.86E-12	5.05E-12	5.34E-12
41	NB071044	34.1	9.0	6.1	15.1	54.4							High	High	High	High	High							6.02E-12	1.17E-11	5.34E-12
42	NB071045	25.9	7.4	32.6	31.8	46.6							High	High	High	High	High							6.09E-12	2.35E-11	5.34E-12
43	NB071046	34.0	36.4	0.4	10.1								Medium	Medium	Low	Low								1.97E-13	1.86E-13	2.00E-14
44	NB071047	0.4	0.4	20.6	64.7	1.0	0.4						High	Low	High	High	Low	High						4.71E-14	2.00E-14	5.34E-12
45	NB071048	36.5	19.8	8.2	0.4	0.6							High	Medium	High	Low	Medium							1.60E-12	6.54E-14	5.34E-12
46	NB071049	72.0	26.9	66.2	62.4	0.4							High	High	High	Medium								2.08E-12	7.25E-13	5.34E-12
47	NB071050	22.8	23.0	20.9	18.8	25.7																		4.79E-12	8.89E-12	
48	NB071051	63.3	0.9	61.6	59.3	12.4																		2.53E-14	2.00E-14	
49	NB071052	19.4	12.2	9.9	17.6	12.8																		8.33E-14	6.91E-12	
50	NB071054	20.3	37.3	27.6	22.0	44.7							High	High	High	High	High							7.24E-12	1.33E-12	5.34E-12
51	NB071055	0.4	0.4	1.5	0.4	0.4							Medium		High	High								2.00E-14	2.00E-14	5.34E-12

North American Soil Geochemical Landscapes Project

Soil Radon Potential Index (SRP)

#	Site ID	Permeability - measured - (m^2)								Soil Radon Potential Index											
		4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11	Average
1	NB071001									37.1	16.8										27.0
2	NB071002									3.3											3.3
3	NB071003									58.7	49.4										54.0
4	NB071004	5.34E-12	5.34E-12								31.4		31.0	22.2							28.2
5	NB071005	2.00E-14	5.34E-12							54.5	15.9	13.7	15.0	38.7							27.6
6	NB071007		Water																		
7	NB071009	1.32E-13	2.00E-14									7.2	13.2	0.3							6.9
8	NB071010	5.34E-12	5.34E-12							38.6	19.7	9.2	18.9	29.8							23.3
9	NB071011	2.00E-14																			
10	NB071012	2.00E-14	2.00E-14							12.3	19.1	8.1	13.4	19.6							14.5
11	NB071013	5.34E-12	1.32E-13							20.2	11.7	7.4	12.2	7.0							11.7
12	NB071014	5.34E-12	5.34E-12							37.1	32.5	21.9	18.9	25.9							27.3
13	NB071015		Water							4.3	0.7										2.5
14	NB071016	2.00E-14	5.34E-12							6.7	5.3	10.7	1.8	9.9							6.9
15	NB071017	5.34E-12								3.9	13.9	28.5	17.4								15.9
16	NB071018	5.34E-12	2.00E-14							37.6	22.7		65.5	0.8							31.6
17	NB071019	5.34E-12	1.32E-13							17.4	6.2	20.3	8.2	1.5							10.7
18	NB071020	2.00E-14	5.34E-12	5.34E-12											12.1						12.1
19	NB071021	1.32E-13	5.34E-12							74.2	10.8	50.4		6.3							35.4
20	NB071022	2.00E-14	1.32E-13							16.2	18.9	5.2	6.6	10.1							11.4
21	NB071023	5.34E-12	1.32E-13									17.4	10.8	13.0							13.8
22	NB071024	2.00E-14	2.00E-14							12.3	25.0		7.7	3.0							12.0
23	NB071025	5.34E-12	5.34E-12								26.2	23.9	13.5	56.0							29.9
24	NB071027	5.34E-12	5.34E-12							14.1	31.8	14.3	12.6	10.9							16.7
25	NB071028									37.9	38.0										38.0
26	NB071029	2.00E-14	5.34E-12							20.0	22.8	6.7	12.4	18.9							16.2
27	NB071030	2.00E-14	2.00E-14																		
28	NB071031	5.34E-12	5.34E-12							21.6	22.7	0.9	15.0	18.0							15.6
29	NB071032	2.00E-14								14.3	19.2	6.9	6.1								11.6
30	NB071033	2.00E-14	2.00E-14							7.3	1.1		3.5	1.1							3.2
31	NB071034	5.34E-12	5.34E-12							13.7	3.8	8.9	5.6	28.6							12.1
32	NB071035	5.34E-12	5.34E-12							1.9	2.5	4.6	5.9	1.4							3.3
33	NB071036	1.32E-13	2.00E-14							4.8	0.2	5.7	1.9	2.5							3.0
34	NB071037	Water	2.00E-14							0.4											0.4
35	NB071038	2.00E-14		2.00E-14																	
36	NB071039									40.3	0.2										20.3
37	NB071040	5.34E-12	5.34E-12							123.0	86.2	36.8	50.1	91.9							77.6
38	NB071041	1.32E-13								8.6	0.1		10.8								6.5
39	NB071042	5.34E-12	5.34E-12							0.1	14.6	36.0	23.6	9.0							16.7
40	NB071043	5.34E-12	5.34E-12							11.5	10.4	6.1	19.7	14.7							12.5
41	NB071044	5.34E-12	5.34E-12							27.1	8.6	4.0	11.1	42.0							18.6
42	NB071045	5.34E-12	5.34E-12							20.5	10.2	24.8	24.2	35.8							23.1
43	NB071046	2.00E-14								12.2	13.0		2.5								9.2
44	NB071047	5.34E-12	2.00E-14	5.34E-12								15.4	50.0								32.7
45	NB071048	2.00E-14	1.32E-13							19.8	5.9	5.7									10.4
46	NB071049	1.32E-13								42.2	12.1	51.2	21.3								31.7
47	NB071050									16.5	20.9										18.7
48	NB071051									17.3											17.3
49	NB071052									6.0	9.7										7.8
50	NB071054	5.34E-12	5.34E-12							16.9	19.3	20.9	16.5	34.3							21.6
51	NB071055	5.34E-12										0.4									0.4

North American Soil Geochemical Landscapes Project

Soil Radon Potential Index (SRP)

#	Site ID	Volume corrected soil gas radon concentration (kBq/m3)											Permeability - estimated													
		1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11	1	2	3
52	NB071056	7.8		1.0	3.2	3.6								Water										2.36E-14	9.65E-14	
53	NB072001	14.9	19.3	20.7	35.5	12.7							High	High	High	Medium	High							6.22E-12	1.24E-11	5.34E-12
54	NB072002		1.8	102.0		30.9							Low	Low	Low	Low	Low							2.00E-14	2.00E-14	2.00E-14
	NB072002B	10.5	0.4	8.6	8.5	2.6	141.3	62.2	159.0	70.7	155.0	83.9	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low			2.00E-14
55	NB072003	41.8	80.7	0.4	81.9	1.9							High	Medium	Low	High	Low							8.41E-13	3.22E-13	2.00E-14
56	NB072004	44.9		95.6	109.0	71.8							High	High	High	High	High							2.07E-11	4.15E-12	5.34E-12
57	NB072005		0.4	72.7	15.1								Medium	Low	Medium	High	Low							2.00E-14	2.00E-14	1.32E-13
58	NB072006	93.2	77.4	1.7	24.5	0.4							Medium	Medium	Low	High	Low							2.00E-14	1.91E-13	2.00E-14
	NB072006B	14.2	19.4	88.2	68.6	15.5	53.7	85.1					High	High	High	Medium	High	High	High							5.34E-12
59	NB072007	35.8	35.9	42.2	52.4	45.9							High	High	High	Medium	Medium							1.60E-12	7.68E-13	5.34E-12
60	NB072009	44.0	21.0			52.7							Medium	Low			Medium							8.02E-14	2.00E-14	
61	NB072010	80.4	50.2	21.5	47.6	8.5							High	High	Medium	Medium	High							5.93E-13	2.07E-11	1.32E-13
62	NB072011	30.6	18.0	49.5	26.4	19.5							High	High	Medium	Medium	High							3.89E-12	8.89E-12	1.32E-13
63	NB072012	27.3	49.5	121.0	59.7	68.1							High	High	High	High	High							5.41E-12	2.07E-12	5.34E-12
64	NB072013	75.7	112.0	106.0		168.0							High	High	High	High	High							1.38E-11	2.89E-12	5.34E-12
65	NB072014	7.1	15.1	16.5	37.6	43.0							High	High	Medium	High	High							1.12E-11	7.15E-12	1.32E-13
66	NB072015	22.2	11.2	0.4	19.0	22.4							High	High	High	High	High							1.73E-12	2.61E-12	5.34E-12
67	NB072016	12.2	16.3	4.8	10.2	5.9							High	High	High	High	High							3.42E-11	3.09E-11	5.34E-12
68	NB072017	6.4	0.4	6.0	9.7	13.2							High	High	High	High	High							2.68E-11	1.97E-11	5.34E-12
69	NB072018	15.6	9.2	15.9	13.6	14.3							High	High	High	High	High							3.27E-12	2.39E-12	2.83E-12
70	NB072019	13.8	14.0	3.8		9.3							High	High	Low		High							1.09E-11	9.30E-12	2.00E-14
	NB072019B	4.6				9.2	0.4	66.2	7.4	8.1	11.5	16.8	High	Low	High	Low	High	Medium	High	High	High	Low	Low	*5.34E-12*	*2.00E-14*	5.34E-12
71	NB072020	33.6	28.5	32.0	27.3	17.4							Medium	High	High	High	High							1.53E-12	7.21E-12	5.34E-12
72	NB072021			0.4		2.2		61.7					Low		Low		Low	Low	Low					2.00E-14	2.00E-14	2.00E-14
73	NB072022	0.4	0.4	0.4	0.4								Low	Low	Low	Low								2.00E-14	2.00E-14	2.00E-14
74	NB072023	0.4	0.4	0.4	0.4	0.4	0.4						Low	Low	Low	Low	Low	Low						2.00E-14	2.00E-14	2.00E-14
75	NB072024	14.9	4.7	6.5	19.3	11.7							High	High	High	High	High							8.58E-12	9.35E-13	5.34E-12
76	NB072026	26.1		22.2	0.4	23.5							Medium		High	High	High							6.42E-14	2.00E-14	5.34E-12
77	NB072027	0.4	0.4	1.0	0.4	0.4							Low	Low	Low	Low	Low							2.00E-14	2.00E-14	2.00E-14
78	NB072028	0.4	1.7	74.3	0.4	0.4	40.9						Low	Low	Low	Medium	Low	High						2.00E-14	2.00E-14	2.00E-14
79	NB072029	1.9	19.3	0.4	28.5	0.6							Low	Low	Low	High	Low							2.00E-14	3.41E-14	2.00E-14
80	NB072030	4.2	8.2	4.2	5.1	7.3							High	High	High	Medium	High							1.56E-11	1.04E-11	5.34E-12
81	NB072031	0.4		16.5	7.8	2.8							Low		Low	Low	Low							2.00E-14	2.00E-14	2.00E-14
82	NB072032	34.0	33.8	37.6	60.1	11.7							High	Low	Medium	Low	Low							1.60E-12	2.35E-14	1.32E-13
83	NB072033	38.1	49.0	35.3	20.6	41.3							High	Medium	Medium	Low	High							1.89E-12	3.33E-13	1.32E-13
84	NB072034	17.0	18.0	12.3	39.7	14.3							High	High	High	Medium	High							3.27E-12	5.19E-12	5.34E-12
85	NB072035	43.6	38.4	14.8	17.4	17.0							High	High	High	High	Medium							1.04E-11	8.52E-13	5.34E-12
86	NB072036	13.0	20.9	29.3	8.4	27.0							High	High	High	High	High							8.89E-13	2.07E-11	5.34E-12
87	NB072037	25.9	17.8	25.1	28.9	23.1							High	High	High	High	High							5.19E-12	1.96E-13	5.34E-12
88	NB072038	19.0	21.7	29.8	12.1	13.4							High	High	High	High	High							2.07E-11	2.07E-11	5.34E-12
89	NB072039	26.7	23.8	30.2									High	High	High	Medium								1.94E-12	1.52E-12	5.34E-12
90	NB072040	12.7	18.1	13.8	22.2	14.3							High	High	High	High	High							2.83E-12	5.19E-12	5.34E-12
91	NB072041	12.3	13.5	12.1	7.2	22.6							High	High	High	High	High							2.07E-11	2.49E-11	5.34E-12
92	NB072042	89.0	79.4	67.7	21.1	16.4							Medium	High	Medium	Medium	Low							2.00E-14	1.94E-13	1.32E-13
93	NB072043	48.7	30.3	24.4	41.0	11.3							Medium	Medium	Medium	Medium	High							4.68E-13	5.51E-14	1.32E-13
94	NB072044	27.3	33.2	43.2	18.6	16.7							High	High	Medium	High								1.11E-12	5.93E-13	1.32E-13
95	NB072045	22.3	20.6	14.2	13.0	8.0							High	Low	High	High	High							1.32E-12	5.19E-14	5.34E-12
96	NB072046	0.4	27.4	65.3	79.7	43.5							Low	High	Low	Low	Low							2.00E-14	2.00E-14	2.00E-14
97	NB072047	36.5	42.4	0.4	0.4	0.4	29.0	0.4	0.4				Low	Low	Low	Medium	Low		Low	Low				2.59E-14	2.00E-14	2.00E-14
98	NB072048	11.4	67.6	66.4	18.4	9.7							Low	Medium	Low	High	Low							2.00E-14	5.16E-13	2.00E-14
99	NB072050	0.4	0.9	1.1	40.1	1.9							Low	Medium	Low	Medium	Low							2.00E-14	2.00E-14	2.00E-14

North American Soil Geochemical Landscapes Project

Soil Radon Potential Index (SRP)

#	Site ID	Permeability - measured - (m^2)								Soil Radon Potential Index											
		4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11	Average
52	NB071056									1.9											1.9
53	NB072001	1.32E-13	5.34E-12							11.5	20.2	15.5	12.0	9.2							13.7
54	NB072002	2.00E-14	2.00E-14								0.2	27.3		8.1							11.9
	NB072002B	2.00E-14	2.00E-14	2.00E-14	2.00E-14	2.00E-14	2.00E-14	2.00E-14	2.00E-14			2.1	2.0	0.4	37.9	16.6	42.7	18.8	41.6	22.4	20.5
55	NB072003	5.34E-12	2.00E-14							19.7	32.0		63.6	0.2							28.9
56	NB072004	5.34E-12	5.34E-12							64.3		74.3	84.9	55.6							69.8
57	NB072005	5.34E-12	2.00E-14									24.9	11.1								18.0
58	NB072006	5.34E-12	2.00E-14							24.9	28.1	0.2	18.5								17.9
	NB072006B	1.32E-13	5.34E-12	5.34E-12	5.34E-12							68.5	23.5	11.4	41.4	66.1					42.2
59	NB072007	1.32E-13	1.32E-13							19.4	16.5	32.4	17.9	15.6							20.3
60	NB072009		1.32E-13							13.9	5.4			18.0							12.4
61	NB072010	1.32E-13	5.34E-12							35.6	72.0	7.1	16.2	5.9							27.4
62	NB072011	1.32E-13	5.34E-12							21.0	16.2	16.9	8.8	14.5							15.5
63	NB072012	5.34E-12	5.34E-12							20.8	28.8	94.3	46.1	52.7							48.5
64	NB072013	5.34E-12	5.34E-12							86.9	72.1	82.5		131.2							93.2
65	NB072014	5.34E-12	5.34E-12							6.4	12.3	5.4	28.8	33.0							17.2
66	NB072015	5.34E-12	5.34E-12							12.0	6.4		14.1	16.8							12.4
67	NB072016	5.34E-12	5.34E-12							24.0	30.0	3.0	7.2	3.9							13.6
68	NB072017	5.34E-12	5.34E-12							9.4		3.9	6.8	9.6							7.5
69	NB072018	5.34E-12	5.34E-12							9.8	5.1	9.6	9.9	10.2							8.9
70	NB072019		5.34E-12							13.3	12.6	0.8		6.5							8.3
	NB072019B	2.00E-14	5.34E-12	1.32E-13	5.34E-12	5.34E-12	5.34E-12	2.00E-14	2.00E-14	2.8				6.4		51.2	5.0	5.6	2.8	4.3	11.2
71	NB072020	5.34E-12	5.34E-12							18.0	24.1	24.4	20.7	12.9							20.0
72	NB072021		2.00E-14	2.00E-14	2.00E-14									0.3		16.4					8.4
73	NB072022	2.00E-14																			
74	NB072023	2.00E-14	2.00E-14	2.00E-14																	
75	NB072024	5.34E-12	5.34E-12							13.0	1.8	4.3	14.4	8.4							8.4
76	NB072026	5.34E-12	5.34E-12							7.9		16.7		17.7							14.1
77	NB072027	2.00E-14	2.00E-14																		
78	NB072028	1.32E-13	2.00E-14	5.34E-12							0.2	19.8			31.4						17.1
79	NB072029	5.34E-12	2.00E-14							0.2	5.3		21.6								9.0
80	NB072030	1.32E-13	5.34E-12							4.0	7.3	2.5	1.4	5.0							4.0
81	NB072031	2.00E-14	2.00E-14									4.2	1.8	0.5							2.2
82	NB072032	2.00E-14	2.00E-14							18.4	9.0	12.7	16.0	2.9							11.8
83	NB072033	2.00E-14	5.34E-12							21.5	19.4	11.9	5.3	31.7							18.0
84	NB072034	1.32E-13	5.34E-12							10.8	13.2	8.9	13.4	10.5							11.4
85	NB072035	5.34E-12	1.32E-13							43.3	18.1	10.8	12.9	5.6							18.1
86	NB072036	5.34E-12	5.34E-12							5.9	29.1	22.2	5.8	20.4							16.7
87	NB072037	5.34E-12	5.34E-12							19.4	6.2	18.9	21.9	17.4							16.8
88	NB072038	5.34E-12	5.34E-12							26.3	30.3	22.6	8.7	9.7							19.5
89	NB072039	1.32E-13								15.0	12.5	22.9									16.8
90	NB072040	5.34E-12	5.34E-12							7.6	13.3	10.1	16.7	10.5							11.6
91	NB072041	5.34E-12	5.34E-12							16.5	20.7	8.7	4.9	17.0							13.6
92	NB072042	1.32E-13	2.00E-14							23.8	28.9	23.2	7.0	4.2							17.4
93	NB072043	1.32E-13	5.34E-12							20.5	9.0	8.1	13.9	8.1							11.9
94	NB072044	5.34E-12								13.5	14.5	14.7	13.8								14.1
95	NB072045	5.34E-12	5.34E-12							11.3	6.0	10.4	9.4	5.5							8.5
96	NB072046	2.00E-14	2.00E-14								7.1	17.4	21.3	11.5							14.3
97	NB072047	1.32E-13	2.00E-14		2.00E-14	2.00E-14				9.9	11.2										10.5
98	NB072048	5.34E-12	2.00E-14							2.8	29.1	17.7	13.7	2.4							13.1
99	NB072050	1.32E-13	2.00E-14										13.6	0.2							6.9

North American Soil Geochemical Landscapes Project

Soil Radon Potential Index (SRP)

#	Site ID	Volume corrected soil gas radon concentration (kBq/m3)											Permeability - estimated													
		1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11	1	2	3
100	NB072051	19.0	2.7	28.5	34.5	27.4							Medium	Low	Medium	High	Medium							1.48E-13	2.30E-14	7.41E-14
101	NB072052	1.1	22.2	0.4	10.9	0.4	24.0	2.1					Low	Low	Low	High	Low	Medium	Low					1.73E-14	2.00E-14	2.00E-14
102	NB072053	16.1	6.7	7.7	17.7	20.6							High	High	High	High	High							2.43E-11	8.69E-12	5.34E-12
103	NB072054	19.5	24.7	22.7		27.4							Medium	Medium	Low	Medium	High							1.15E-14	1.29E-14	2.00E-14
104	NB072055	17.0	6.1	11.4	9.0	17.0							High	High	High	High	High							1.75E-11	2.01E-11	5.34E-12
105	NB072056	9.6	12.6	42.7	26.0	12.1							High	High	High	High	High							1.31E-11	4.05E-12	5.34E-12
106	NB072057	35.3	39.9	25.1	28.2	20.3							High	High	High	High	High							1.86E-11	9.81E-12	5.34E-12
107	NB072058	58.6	18.8	5.6	33.3	9.6							Low	High	Medium	High	High							1.73E-14	5.19E-13	1.32E-13
108	NB072059	1.5	6.8	11.3	16.8								High	High	High	High								1.78E-11	2.47E-12	5.34E-12
109	NB072060	17.2	30.6	5.6	11.5	11.3							High	High	Medium	High	High							1.53E-11	9.66E-13	1.32E-13
110	NB072061		11.1	89.7	41.8	65.8							Medium	Medium	High	High	High							4.37E-13	2.59E-14	5.34E-12
111	NB072062	41.8	67.8	62.3	60.3	50.2							Low	High	High	Low	High							2.00E-14	9.30E-12	1.40E-12
112	NB072063	31.8	13.9	17.8	16.3	14.0							High	High	High	High	High							2.31E-12	7.84E-12	5.34E-12
113	NB072064	29.3	31.5	33.4	32.7	6.1							High	High	High	High	High							3.58E-13	5.93E-13	5.34E-12
114	NB072065	11.3	9.9	17.7	6.8	13.8							High	High	High	High	High							2.26E-12	1.23E-12	5.34E-12
115	NB072066	1.0	159.0	45.1	0.4	246.0							Low	Medium	Low	Low	High							2.00E-14	2.49E-11	4.15E-14
116	NS071001	100.6	36.9	24.9	32.0	9.8							Low	Low	Medium	High	High							8.13E-12	2.00E-14	2.16E-11
117	NS071002	51.8	33.2	46.6	38.8	28.8							High	High	High	High	High							1.40E-12	2.05E-11	2.29E-12
118	NS071003	38.4	32.2	32.3	27.8	18.4							High	High	High	High	High							1.55E-12	2.35E-12	5.34E-12
119	NS071004	1.8	52.8	87.9	38.0	38.9							Low	High	Medium	Low	Low							2.00E-14	1.74E-12	2.00E-14
120	NS071005	0.4	0.4	0.4	0.4	0.4							Low	Medium	Low	Low	Low							2.00E-14	2.00E-14	2.00E-14
121	NS071006	0.4	0.4	0.4	0.4	0.4							Low	Low	Low	High	Low							2.00E-14	2.00E-14	2.00E-14
122	NS071007	0.4	0.4	0.4	0.4	0.4							Low	Low	Low	Low	Low							2.00E-14	2.00E-14	2.00E-14
123	NS071008	0.4	0.4	23.4	0.4	55.5							Low	Low	High	Low	Low							2.00E-14	2.00E-14	5.34E-12
124	NS071009	57.8	170.0	90.4	5.2	118.0							High	High	High	High	High							1.23E-11	5.52E-12	5.34E-12
125	NS071010	0.4	112.0	45.9	0.4	0.4	128.0	39.3					Low	Medium	High	Low	Low	Medium	High					2.00E-14	7.55E-14	5.34E-12
126	NS071011	82.3	78.6	0.4	83.9	55.2							High	Low	Low	High	High							7.98E-13	2.00E-14	2.00E-14
127	NS071012	0.4	36.4	23.6	22.6	26.3	73.5						High	High	High	High	High	High						8.18E-14	2.34E-14	5.34E-12
128	NS071013	42.7	19.3	63.3	39.5	26.7							High	High	High	High	High							5.66E-13	7.78E-12	5.34E-12
129	NS071014	19.3	41.9	27.2	11.1	32.4							Low	High	High	High	High							2.98E-14	2.35E-13	5.34E-12
130	NS071015	73.9	61.6	0.4	63.2	72.4							High	High	Low	High	High							3.42E-13	2.55E-13	2.00E-14
131	NS071016	0.4	0.4	133.0	0.4	0.4							Low	Low	Low	Low	Low							2.00E-14	2.00E-14	2.00E-14
132	NS071017	0.4	8.1	0.4	10.6	5.6	5.5						High	High	High	High	High	High						2.70E-11	1.24E-11	5.34E-12
133	NS071019	11.7	21.3	4.3	10.7	10.7							High	High	High	High	High							2.70E-11	4.26E-13	5.34E-12
134	NS071020	29.1	19.0	29.7	21.3	17.2							High	High	Low	High	High							1.41E-12	2.30E-12	2.00E-14
135	NS071021	32.8	11.4	38.2	24.9	20.5							High	High	High	High	High							6.22E-13	3.27E-12	5.34E-12
136	NS071022	32.7	7.2	84.1	29.9	22.6							High	High	High	High	High							1.56E-11	8.89E-12	5.34E-12
137	NS071023	29.1	2.6	38.2	19.0	0.4							Low	Low	Low	High	Low							2.00E-14	2.00E-14	2.00E-14
138	NS071024	0.9	32.7	0.7	0.4	0.4							Low	Low	High	Low	Low							2.00E-14	2.00E-14	5.34E-12
139	NS071025	35.5	0.4	1.5	0.4	5.9							Low	Low	Low	Low	Low							4.23E-14	2.00E-14	2.00E-14
140	NS071026																							Water	Water	
141	NS071027	55.7	37.7	49.4	34.7	17.6							High	Low	High	Low	High							1.43E-13	2.00E-14	5.34E-12
142	NS071028					44.9							Low	Low	Low	Low	Low							2.00E-14	2.00E-14	2.00E-14
143	NS071029	18.5	51.5	12.1	38.4	63.7							High	Low	High	Low	Low							5.66E-12	2.00E-14	5.34E-12
144	NS071030	3.0	3.1	3.4	2.6	5.5							High	High	High	High	High							3.66E-12	1.56E-11	5.34E-12
145	NS071031	61.5	1.8	1.0	4.3	0.4							Low	Low	Low	Low	Low							2.00E-14	2.00E-14	2.00E-14
146	NS071032	24.5	96.1	40.6	15.9	17.2							High	High	High	High	High							2.02E-13	4.01E-13	5.34E-12
147	NS071033	23.8	28.2	27.0	9.7	34.4							High	High	High	High	High							5.66E-12	1.73E-12	5.34E-12
148	NS071034	2.6	53.0	3.4	7.7	0.4							Low	Low	Low	Low	Low							2.00E-14	2.00E-14	2.00E-14
149	NS071036	19.5	24.2	15.3	19.3	16.3							Low	High	Low	High	High							8.47E-14	1.56E-11	2.00E-14
150	NS071037	1.9	2.4	10.5	4.4	2.4							High	High	High	High	High							1.56E-11	2.07E-11	5.34E-12

North American Soil Geochemical Landscapes Project

Soil Radon Potential Index (SRP)

#	Site ID	Permeability - measured - (m^2)								Soil Radon Potential Index										
		4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11	Average
100	NB072051	5.34E-12	1.32E-13							6.4	0.5	8.8	26.3	9.2							10.2
101	NB072052	5.34E-12	2.00E-14	1.32E-13	2.00E-14						5.7		7.8		8.0	0.3					5.4
102	NB072053	5.34E-12	5.34E-12							24.6	5.4	5.3	13.1	15.4							12.7
103	NB072054	1.32E-13	5.34E-12							4.7	6.1	5.9		20.7							9.4
104	NB072055	5.34E-12	5.34E-12							21.1	7.3	8.2	6.3	12.6							11.1
105	NB072056	5.34E-12	5.34E-12							9.7	8.3	32.8	19.6	8.8							15.8
106	NB072057	5.34E-12	5.34E-12							46.9	38.6	18.9	21.4	15.2							28.2
107	NB072058	5.34E-12	5.34E-12							15.3	7.8	1.6	25.4	6.8							11.4
108	NB072059	5.34E-12								0.7	3.6	8.1	12.4								6.2
109	NB072060	5.34E-12	5.34E-12							19.9	14.7	1.6	8.3	8.1							10.5
110	NB072061	5.34E-12	5.34E-12								2.8	69.7	32.1	50.9							38.9
111	NB072062	2.00E-14	5.34E-12							11.0	64.8	33.0	16.0	38.7							32.7
112	NB072063	5.34E-12	5.34E-12							18.8	11.7	13.2	12.0	10.2							13.2
113	NB072064	5.34E-12	5.34E-12							11.6	13.7	25.5	24.9	4.0							15.9
114	NB072065	5.34E-12	5.34E-12							6.3	4.7	13.1	4.6	10.1							7.7
115	NB072066	2.00E-14	5.34E-12									13.0									13.0
116	NS071001	5.34E-12	5.34E-12							91.4	9.7	35.9	24.4	6.9							33.7
117	NS071002	5.34E-12	5.34E-12							27.4	46.7	27.8	29.7	21.8							30.7
118	NS071003	5.34E-12	5.34E-12							20.7	19.1	24.6	21.1	13.7							19.8
119	NS071004	2.00E-14	2.00E-14							0.2	29.5	23.5	10.0	10.2							14.7
120	NS071005	2.00E-14	2.00E-14																		
121	NS071006	5.34E-12	2.00E-14																		
122	NS071007	2.00E-14	2.00E-14																		
123	NS071008	2.00E-14	2.00E-14									17.6		14.7							16.2
124	NS071009	5.34E-12	5.34E-12							62.3		70.3	3.3	91.9							57.0
125	NS071010	2.00E-14	2.00E-14	1.32E-13	5.34E-12						35.6	35.3			44.1	30.1					36.3
126	NS071011	5.34E-12	5.34E-12							38.7	21.0		65.1	42.6							41.9
127	NS071012	5.34E-12	5.34E-12	5.34E-12							9.7	17.8	17.0	19.9	57.0						24.3
128	NS071013	5.34E-12	5.34E-12							18.6	16.5	49.0	30.3	20.2							26.9
129	NS071014	5.34E-12	5.34E-12							5.2	15.6	20.6	7.9	24.7							14.8
130	NS071015	5.34E-12	5.34E-12							29.6	23.4		48.9	56.1							39.5
131	NS071016	2.00E-14	2.00E-14									35.7									35.7
132	NS071017	5.34E-12	5.34E-12	5.34E-12							7.8		7.5	3.6	3.5						5.6
133	NS071019	5.34E-12	5.34E-12							18.8	8.6	2.6	7.6	7.6							9.0
134	NS071020	5.34E-12	5.34E-12							15.2	11.0	7.8	16.0	12.7							12.5
135	NS071021	5.34E-12	5.34E-12							14.4	7.0	29.2	18.8	15.3							17.0
136	NS071022	5.34E-12	5.34E-12							39.2	5.9	65.3	22.7	17.0							30.0
137	NS071023	5.34E-12	2.00E-14							7.6	0.4	10.1	14.1								8.1
138	NS071024	2.00E-14	2.00E-14								8.6										8.6
139	NS071025	2.00E-14	2.00E-14							10.2		0.1		1.3							3.9
140	NS071026																				
141	NS071027	2.00E-14	5.34E-12							19.2	9.9	38.0	9.1	13.0							17.9
142	NS071028	2.00E-14	2.00E-14											11.9							11.9
143	NS071029	2.00E-14	2.00E-14							14.0	13.7	8.7	10.1	17.0							12.7
144	NS071030	5.34E-12	5.34E-12							1.4	2.6	1.9	1.3	3.5							2.1
145	NS071031	2.00E-14	2.00E-14							16.4	0.2		0.9								5.8
146	NS071032	5.34E-12	5.34E-12							8.7	39.7	31.1	11.7	12.7							20.8
147	NS071033	5.34E-12	5.34E-12							18.3	15.4	20.4	6.8	26.2							17.4
148	NS071034	2.00E-14	2.00E-14							0.4	14.1	0.6	1.8	-0.2							3.4
149	NS071036	5.34E-12	5.34E-12							6.0	28.7	3.9	14.4	12.0							13.0
150	NS071037	5.34E-12	5.34E-12							1.1	2.0	7.5	2.7	1.1							2.9

North American Soil Geochemical Landscapes Project

Soil Radon Potential Index (SRP)

#	Site ID	Volume corrected soil gas radon concentration (kBq/m3)											Permeability - estimated													
		1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11	1	2	3
151	NS071038	39.7	12.7	15.5	60.1	46.1							Low	Low	High	High	Medium							4.85E-14	2.00E-14	5.34E-12
152	NS071039	38.4	18.1	47.3	32.2	0.4							High	High	High	High	High							7.98E-13	5.19E-12	5.34E-12
153	NS071040	61.0	77.4	11.3	42.3	50.1							High	High	Low	Low	High							1.52E-12	2.96E-12	2.00E-14
154	NS071041	19.2	9.9	15.5	13.8	24.5							High	High	High	High	High							5.66E-12	2.07E-11	5.34E-12
155	NS071042	7.2	41.8	27.8	3.5	46.1							High	High	Low	High	Medium							2.68E-13	4.20E-14	2.00E-14
156	NS071043	14.5	13.4	15.7	50.9	24.2							High	High	High	High	High							2.70E-11	1.35E-11	5.34E-12
157	NS071044	15.2	10.2	10.1	4.9	13.4							High	High	High	High	High							2.16E-11	2.84E-12	5.34E-12
158	NS071045	7.3	28.4	4.7	5.5	8.1							High	High	High	High	High							1.04E-11	2.07E-11	5.34E-12
159	NS071046	0.4	13.0	6.7	16.3	8.0							High	Medium	Low	High	High							2.96E-12	1.17E-12	2.00E-14
160	NS071047	41.8	40.5	5.9	19.7	21.8							Low	Low	Low	Low	Low							2.00E-14	2.00E-14	2.00E-14
161	NS071048	1.8	19.2	7.7	4.7	4.4							High	High	High	Low	High							1.68E-12	1.24E-11	5.34E-12
162	NS071049	7.3	10.1	0.4	10.1	0.4							High	High	High	High	Low							6.91E-12	6.99E-13	5.34E-12
163	NS071050	17.0	4.8	9.8	35.9	18.4							High	Low	Low	Low	High							4.29E-13	2.00E-14	2.00E-14
164	NS071052	13.5	18.9	24.7	6.7	25.2							High	High	High	Low	High							1.24E-11	2.59E-12	5.34E-12
165	NS071053																									
166	NS071054	24.5	6.1	16.8	8.5	11.1							High	High	High	Low	High							2.65E-13	6.91E-12	5.34E-12
167	NS071055	11.3	9.2	11.4	21.8	8.6							High	High	High	High	High							2.07E-11	1.56E-11	5.34E-12
168	NS071056	8.4	10.3	6.0	18.0	7.4							Low	High	Low	High	High							5.66E-13	1.24E-11	2.00E-14
169	NS071057	40.6	33.9	63.9	8.9	8.1							High	Low	High	High	Low							6.69E-13	3.36E-13	5.34E-12
170	PE071001	20.5	25.9	28.0	23.9	21.0							Medium	Low	Medium	Medium	Medium							3.69E-14	3.71E-14	1.32E-13
171	PE071002	9.7	11.5	17.4	0.4	26.0							Medium	Medium	Medium	Low	Low							5.64E-13	2.24E-13	1.32E-13
172	PE071003	16.4	21.1	5.1	26.9	18.8							Low	Medium	Low	Medium	Medium							2.00E-14	2.00E-14	2.50E-13
173	PE071004	12.3	32.4	31.1	22.2	22.8							Medium	Medium	Medium	Medium	Low							1.17E-13	2.00E-14	1.32E-13
174	PE071005	24.8	31.4	17.7	23.5	13.0							High	Medium	High	Medium	Medium							2.14E-13	5.50E-14	5.34E-12
175	PE071006	28.4	17.6	4.1	18.4	53.0							Medium	Medium	Low	Low	Low							5.75E-14	6.77E-14	2.00E-14
176	PE071007	38.9	21.8	32.8	25.6	38.1							High	High	Medium	High	Medium							3.62E-12	3.36E-12	3.06E-12
177	PE071008	17.4	16.9	9.9	9.2	11.4							High	High	High	High	High							5.34E-12	3.52E-12	7.87E-13
178	PE071009	21.7	27.3	21.8	12.9	36.1							Medium	Medium										2.00E-14	2.32E-13	

North American Soil Geochemical Landscapes Project

Soil Radon Potential Index (SRP)

#	Site ID	Permeability - measured - (m^2)								Soil Radon Potential Index											
		4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11	Average
151	NS071038	5.34E-12	1.32E-13							11.7	3.2	11.4	46.4	15.7							17.7
152	NS071039	5.34E-12	5.34E-12							17.8	13.3	36.4	24.5								23.0
153	NS071040	2.00E-14	5.34E-12							33.0	50.0	2.8	11.2	38.6							27.1
154	NS071041	5.34E-12	5.34E-12							14.6	13.0	11.4	10.1	18.5							13.5
155	NS071042	5.34E-12	1.32E-13							2.4	12.1	7.2	2.0	15.7							7.9
156	NS071043	5.34E-12	5.34E-12							23.7	14.3	11.6	39.2	18.2							21.4
157	NS071044	5.34E-12	5.34E-12							21.3	5.9	7.2	3.1	9.7							9.5
158	NS071045	5.34E-12	5.34E-12							6.4	40.1	2.9	3.5	5.6							11.7
159	NS071046	5.34E-12	5.34E-12								6.2	1.5	12.0	5.5							6.3
160	NS071047	2.00E-14	2.00E-14							11.0	10.7	1.3	5.1	5.6							6.7
161	NS071048	2.00E-14	5.34E-12							0.5	20.1	5.3	1.0	2.7							5.9
162	NS071049	5.34E-12	2.00E-14							5.4	4.2		7.2								5.6
163	NS071050	2.00E-14	5.34E-12							6.8	1.0	2.4	9.4	13.7							6.7
164	NS071052	2.00E-14	5.34E-12							13.8	11.3	18.6	1.5	19.0							12.9
165	NS071053																				
166	NS071054	2.00E-14	5.34E-12							9.1	4.4	12.4	2.0	7.9							7.2
167	NS071055	5.34E-12	5.34E-12							15.1	10.1	8.2	16.3	6.0							11.1
168	NS071056	5.34E-12	5.34E-12							3.3	10.3	1.4	13.4	5.0							6.7
169	NS071057	5.34E-12	2.00E-14							18.2	13.3	49.4	6.2	1.9							17.8
170	PE071001	1.32E-13	1.32E-13							5.7	7.3	9.4	8.0	6.9							7.4
171	PE071002	2.00E-14	2.00E-14							3.9	4.0	5.7		6.8							5.1
172	PE071003	1.32E-13	1.32E-13							4.2	5.4	1.6	9.0	6.2							5.3
173	PE071004	1.32E-13	2.00E-14							3.9	8.5	10.5	7.4	5.9							7.2
174	PE071005	1.32E-13	1.32E-13							8.9	9.3	13.1	7.8	4.2							8.7
175	PE071006	2.00E-14	2.00E-14							8.5	5.2	0.8	4.7	14.1							6.7
176	PE071007	7.06E-14	1.32E-13							26.3	14.1	21.0	7.8	12.9							16.4
177	PE071008	1.25E-12	5.34E-12							12.9	10.9	4.2	4.3	8.2							8.1
178	PE071009									5.6	10.0										7.8

Explanatory Notes

Volume corrected soil gas radon concentration (kBq/m^3) — For samples with less than 150 ml of soil gas the measured concentration was increased by a factor of 150/sample volume (ml).

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 (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;

*** Yellow highlighted cells are a default value used if no movement seen after first 5 minutes.

*** Blue highlighted cells are median permeability numbers calculated by comparing probes where both an estimated (Low, Medium, High) and a measured permebility was recorded.

Soil Radon Potential Index — Defined as SRP = (C-C0)/-logP+logP0); C is the soil gas radon concentration in units of kBq/m^3, and P is the soil permeability in units of m^2.C0 ($KBqm^3$) = 1; P0 (m^2) = 1.00E-10 (Neznal et al, 2004).

- Average — Average soil radon potential index.