

## Background dataset

% coarse sand	%VFS	%Clay	%Silt	%OM	%TNV	MWD	Permeability	Runoff(m <sup>3</sup> /lit)
20.6	25.8	20.8	32.8	0.73	5.72	0.271	2.1	93.84
9.9	14.9	30.4	44.8	0.99	13.73	1.038	1.8	95.05
17.7	21.1	23.2	38	0.86	4.15	0.432	2.7	91.37
26.3	19.3	28	26.4	1.19	13.87	0.818	5.1	88.11
18.1	22.5	28.8	30.6	0.96	6.58	0.328	3.3	113.79
28.3	18.9	29.2	23.6	1.15	14.87	1.325	5.3	42.02
27.7	20.6	23.3	28.4	1.2	11.87	0.33	5.8	69.35
24.1	14.9	36.8	24.2	2.09	5.5	1.415	4.6	54.36
21.1	18.1	34.8	26	0.7	11.44	0.987	2.9	104.73
19.3	16.3	32	32.4	0.87	12.87	1.005	2.6	108.40
13.2	17.4	36.1	33.3	0.79	15.37	1.281	1.5	119.20
21.4	16.6	39.2	22.8	1.23	13.23	1.454	4.9	59.88
10.3	17.9	34.4	37.4	1.16	13.16	0.863	2.5	99.44
16.8	15.5	37.3	30.4	1.31	7.15	0.981	3.2	94.82
21.7	20.3	30.8	27.2	0.81	6.79	0.692	3.8	100.24
29.4	17.9	31.9	20.8	1.23	16.65	1.075	5.1	46.10
25.2	17.6	37	20.2	1.08	11.15	1.321	5.3	60.03
24.1	17.5	27.6	30.8	1.16	10.58	0.869	3.5	95.09
12.6	17.6	42.2	27.6	0.74	6.01	1.624	1.7	99.62
23.4	20.4	35.5	20.7	1.12	11.9	0.813	3.4	73.36
19.2	14.2	37.8	28.8	1.31	21.09	1.781	4.3	65.70
20.6	17	24.8	37.6	1.14	11.51	0.867	3.5	65.63
16.3	25.3	20.8	37.6	1.23	7.44	0.633	3.9	87.39
18.7	21.3	29.4	30.6	1.04	14.3	1.208	3.7	73.16
11.7	18.9	29.4	40	1.07	5.29	1.314	1.4	103.50
15.3	12.7	38	34	1.37	23.67	1.874	4.2	65.91
18.9	19.8	40.8	20.5	1.36	6.86	1.912	4.7	49.24
10.3	15.3	35.6	38.8	1.02	8.15	1.423	1.8	110.58
15.2	14.8	30.4	39.6	1.14	15.59	1.035	3.9	91.18
16.4	20.4	21.6	41.6	0.91	18.02	0.948	3.1	86.51
22	17.2	37	23.8	0.86	15.16	1.491	3.8	66.71
21.7	12.6	32.3	33.4	1.35	20.31	1.865	4.8	33.91
13.2	13.3	29.2	44.3	0.95	22.31	1.673	3.7	68.71
19.3	18.9	32.7	29.1	0.98	18.66	1.532	3.8	72.01
16.2	12.9	31.6	39.3	0.99	17.12	1.337	2.9	81.30
14.6	15.6	30.1	39.7	1.09	17.56	1.039	3.6	81.93