

Appendix. C

100 Slope stability data set

NO.	c (Kpa)	φ (°)	r_u	β (°)	H (m)	γ (KN/m3)	Slope safety factor
1	18.8	14.4	25.02	19.98	30.6	0	1.75
2	18.77	30.01	9.99	25.02	50	0.1	0.717
3	19.97	19.96	36	45.5	50	0.5	0.387
4	22.38	10.05	35.01	45	10	0.4	0.75
5	18.77	30.01	19.98	30	50	0.1	0.987
6	28.4	39.16	37.98	34.98	100	0	1.43
7	19.97	10.05	28.98	34.03	6	0.3	1.371
8	13.97	12	26.01	30	88	0	1.063
9	18.77	25.06	19.98	30	50	0.2	0.844
10	18.83	10.35	21.29	34.03	37	0.3	0.574
11	28.4	29.41	35.01	34.98	100	0	1.249
12	18.77	25.06	9.99	25.02	50	0.2	0.611
13	16.47	11.55	0	30	3.6	0	1.273
14	20.56	16.21	26.51	30	40	0	1.23
15	18.66	26.41	14.99	34.98	8.2	0	1.809
16	13.97	12	26.01	30	88	0.5	0.488
17	25.96	150.1	45	49.98	200	0	1.374
18	18.46	25.06	0	30	6	0	1.474
19	19.97	40.06	30.02	30	15	0.3	1.949
20	20.39	24.91	13.01	22	10.6	0.4	1.354
21	19.6	12	19.98	22	12.2	0.4	1.09
22	20.96	19.96	40.01	40.02	12	0	2.008
23	17.98	24.01	30.15	45	20	0.1	1.222
24	20.96	45.02	25.02	49.03	12	0.3	1.551
25	22.38	99.93	45	45	15	0.3	2.976
26	18.77	19.96	19.98	30	50	0.3	0.697
27	21.78	8.55	32	27.98	12.8	0.5	0.896
28	21.47	6.9	30.02	31.01	76.8	0.4	0.562
29	21.98	19.96	22.01	19.98	180	0.1	1.138
30	18.8	57.47	19.98	19.98	30.6	0	2.161
31	21.36	10.05	30.33	30	20	0	1.447
32	18.8	14.4	25.02	19.98	30.6	0.5	0.968
33	15.99	70.07	19.98	40.02	115	0	0.925
34	21.98	19.96	36	45	50	0	1.078
35	19.08	10.05	9.99	25.02	50	0.4	0.356
36	19.08	10.05	19.98	30	50	0.4	0.49
37	17.98	45.02	25.02	25.02	14	0.3	2.331
38	24.96	120	45	53	120	0	1.399
39	20.39	33.46	10.98	16.01	45.8	0.2	1.006
40	17.98	4.95	30.02	19.98	8	0.3	1.637
41	18.97	30.01	35.01	34.98	11	0.2	2.181

42	21.98	19.96	22.01	19.98	180	0	1.271
43	20.96	30.01	35.01	40.02	12	0.4	1.458
44	20.96	34.96	27.99	40.02	12	0.5	1.311
45	18.46	12	0	30	6	0	0.693
46	19.97	40.06	40.01	40.02	10	0.2	2.561
47	19.97	19.96	36	45	50	0.3	0.66
48	18.77	19.96	9.99	25.02	50	0.3	0.508
49	18.83	24.76	21.29	29.2	37	0.5	0.679
50	19.03	11.7	27.99	34.98	21	0.1	1.092
51	22.38	10.05	35.01	30	10	0	1.936
52	18.8	15.31	30.02	25.02	10.6	0.4	1.542
53	18.68	26.34	15	35	8.23	0	1.82
54	16.5	11.49	0	30	3.66	0	1.258
55	18.84	14.36	25	20	30.5	0	1.749
56	18.84	57.46	20	20	30.5	0	2.161
57	28.44	29.42	35	35	100	0	1.25
58	28.44	39.23	38	35	100	0	1.431
59	20.6	16.28	26.5	30	40	0	1.233
60	14.8	0	17	20	50	0	0.841
61	14	11.97	26	30	88	0	1.064
62	25	120	45	53	120	0	1.391
63	26	150.05	45	50	200	0	1.364
64	18.5	25	0	30	6	0	1.446
65	18.5	12	0	30	6	0	0.694
66	22.4	10	35	30	10	0	1.942
67	21.1	10	30.34	30	20	0	1.453
68	22	20	36	45	50	0	1.073
69	22	0	36	45	50	0	0.728
70	12	0	30	35	4	0	0.826
71	12	0	30	45	8	0	0.578
72	12	0	30	35	4	0	0.826
73	12	0	30	45	8	0	0.578
74	23.47	0	32	37	214	0	0.83
75	16	70	20	40	115	0	0.925
76	20.41	24.9	13	22	10.67	0.35	1.386
77	19.63	11.97	20	22	12.19	0.405	1.083
78	21.82	8.62	32	28	12.8	0.49	0.917
79	20.41	33.52	11	16	45.72	0.2	1.007
80	18.84	15.32	30	25	10.67	0.38	1.572
81	18.84	0	20	20	7.62	0.45	0.491
82	21.43	0	20	20	61	0.5	0.434
83	19.06	11.71	28	35	21	0.11	1.084
84	18.84	14.36	25	20	30.5	0.45	1.045
85	21.51	6.94	30	31	76.81	0.38	0.588
86	14	11.97	26	30	88	0.45	0.541
87	18	24	30.15	45	20	0.12	1.2

88	23	0	20	20	100	0.3	0.661
89	22.4	100	45	45	15	0.25	3.093
90	22.4	10	35	45	10	0.4	0.743
91	20	20	36	45	50	0.25	0.73
92	20	20	36	45	50	0.5	0.396
93	20	0	36	45	50	0.25	0.366
94	20	0	36	45	50	0.5	0.13
95	22	0	40	33	8	0.35	0.652
96	24	0	40	33	8	0.3	0.744
97	20	0	24.5	20	8	0.35	0.757
98	18	5	30	20	8	0.3	5.823
99	26.49	150	33	45	73	0.15	1.326
100	26.7	150	33	50	130	0.25	0.793
101	26.89	150	33	52	120	0.25	0.781
102	26.57	300	38.7	45.3	80	0.15	2.003
103	26.78	300	38.7	54	155	0.25	1.039
104	26.81	200	35	58	138	0.25	0.738
105	26.43	50	26.6	40	92.2	0.15	0.813
106	26.7	50	26.6	50	170	0.25	0.387
107	26.8	60	28.8	59	108	0.25	0.375