

Number	Initial dry density ( $\text{g cm}^{-3}$ )	Line number	Soil depth $h$ (cm)	Natural density $\rho$ ( $\text{g cm}^{-3}$ )	Mass moisture content $\omega$ (%)	Dry density $\rho_d$ $\rho_d$ ( $\text{g cm}^{-3}$ )	Void ratio $e = G_s/\rho_d - 1$	$\sigma_z = \gamma h$ (Kpa)	$\sigma_x = \sigma_y = K_a \gamma h$ (Kpa)	$p' = (\sigma_x + \sigma_y + \sigma_z)/3$ (Kpa)
1	1.54	3	5	$2.08 \pm 0.05$	$9.35 \pm 0.85$	$1.90 \pm 0.04$	$0.39 \pm 0.03$	1.04	0.59	0.74
		3	28	$1.93 \pm 0.03$	$8.61 \pm 1.16$	$1.77 \pm 0.02$	$0.49 \pm 0.02$	5.39	3.07	3.84
		2	33	$2.07 \pm 0.05$	$9.15 \pm 0.15$	$1.89 \pm 0.04$	$0.40 \pm 0.03$	6.82	3.88	4.86
		1	21	$2.10 \pm 0.05$	$9.63 \pm 1.01$	$1.91 \pm 0.05$	$0.39 \pm 0.04$	4.40	2.51	3.14
2	1.63	3	5	$2.19 \pm 0.01$	$13.36 \pm 0.09$	$1.98 \pm 0.01$	$0.34 \pm 0.01$	0.44	0.25	0.31
		3	40	$1.67 \pm 0.03$	$6.15 \pm 0.17$	$1.58 \pm 0.02$	$0.68 \pm 0.02$	6.68	3.80	4.76
		2	20	$2.09 \pm 0.04$	$10.18 \pm 0.21$	$1.90 \pm 0.04$	$0.39 \pm 0.03$	4.19	2.38	2.99
		1	13	$2.23 \pm 0.04$	$10.84 \pm 0.83$	$2.01 \pm 0.02$	$0.32 \pm 0.02$	2.90	1.65	2.07
3	1.72	3	10	$2.22 \pm 0.02$	$8.45 \pm 0.72$	$2.05 \pm 0.02$	$0.30 \pm 0.01$	2.22	1.26	1.58
		3	25	$2.34 \pm 0.04$	$8.59 \pm 0.261$	$2.16 \pm 0.05$	$0.23 \pm 0.03$	5.86	3.33	4.17
		1	10	$2.30 \pm 0.01$	$9.26 \pm 0.42$	$2.10 \pm 0.01$	$0.26 \pm 0.01$	2.30	1.31	1.64
4	1.81	3	5	$2.14 \pm 0.04$	$9.57 \pm 0.75$	$1.95 \pm 0.04$	$0.36 \pm 0.03$	1.28	0.73	0.91
		3	10	$2.26 \pm 0.01$	$8.16 \pm 0.39$	$2.09 \pm 0.02$	$0.27 \pm 0.01$	2.26	1.28	1.61