

Site	Soil type	G %	S %	M %	C %	LL (%)	PL (%)	PI (%)	USCS	γ (kN m ⁻³)	γ_d (kN m ⁻³)	γ_{sat} (kN m ⁻³)	n (%)	w (%)	k_s (m s ⁻¹)	k_{sc} (m s ⁻¹)	ϕ' lab (°)	c' (kPa)
Site 1	Sand with silty gravel	27.8	45.2	23.4	3.6	36	25	11	SM	16.7	13.7	18.3	47.3	11.3	/	2.52×10^{-6}	25.6	1.0
Site 2	Sand with gravelly silt	19.4	50.5	29.0	1.1	38	25	14	SC	19.1	14.5	18.8	44.3	11.4	2.71×10^{-6}	1.48×10^{-6}	34.3	1.5
Site 3	Sand with gravel and silt	26.9	45.2	26.8	1.1	/	/	/	/	/	/	/	/	/	/	8.89×10^{-7}	/	/
Site 4	Sand with gravelly silt	18.8	40.4	39.2	1.6	38	27	11	SM	19.5	14.8	19.0	43.2	10.7	1.36×10^{-7}	4.51×10^{-7}	34.3	0.0
Site 5	Sand with gravel and silt	31.0	43.1	25.7	0.2	47	36	11	SM	18.4	14.0	18.5	46.3	11.0	/	2.44×10^{-6}	25.7	9.3
Site 6	Sand with poorly silty gravel	28.5	57.5	13.9	0.1	52	38	13	SM	18.7	13.5	18.2	47.9	20.0	/	8.27×10^{-6}	30.2	4.4
Site 7	Sand with silty gravel	37.0	42.6	17.9	2.5	40	32	8	SM	20.3	15.5	19.5	40.4	26.2	5.18×10^{-6}	2.97×10^{-6}	28.2	3.4
Site 8	Sandy silty gravel	58.1	24.6	16.0	1.3	43	28	16	GM	17.2	15.7	19.6	39.6	9.4	/	3.76×10^{-6}	30.1	8.1
Site 9	Gravelly silty sand	18.7	55.1	24.4	1.8	46	36	10	SM	20.1	18.7	21.5	27.9	8.1	2.41×10^{-6}	1.73×10^{-6}	33.9	0.6
Site 10	Sand with gravelly silt	21.9	52.0	25.1	1	46	37	8	SM	18.4	16.0	19.8	38.6	15.5	/	2.10×10^{-6}	30.3	1.5
Site 11	Gravelly silty sand	24.3	51.4	21.2	3.1	31	25	7	SM	21.7	18.0	21.2	31.9	20.5	4.03×10^{-6}	3.05×10^{-6}	29.8	2.0
Site 12	Gravel with poorly silty sand	55.2	32.2	12.2	0.4	55	45	10	SM	15.3	14.6	18.9	43.9	5.1	1.54×10^{-5}	8.25×10^{-6}	30.2	1.6
	Mean	30.63	44.98	22.9	1.48	42.91	32.18	10.82		18.67	15.36	19.39	41.03	13.56	4.98×10^{-6}	3.16×10^{-6}	30.24	3.04
	Median	27.35	45.2	23.9	1.2	43	32	11		18.7	14.8	19.0	43.2	11.3	3.37×10^{-6}	2.48×10^{-6}	30.2	1.6
	SD	13.31	9.48	7.41	1.11	7.15	6.71	2.71		1.80	1.68	1.10	6.34	6.30	5.38×10^{-6}	2.56×10^{-6}	3.05	3.07
	Max	58.1	57.5	39.2	3.6	55	45	16		21.7	18.7	21.5	47.9	26.2	1.54×10^{-5}	8.27×10^{-6}	34.3	9.3
	Min	18.7	24.6	12.2	0.1	31	25	7		15.3	13.5	18.2	27.9	5.1	1.36×10^{-7}	4.51×10^{-7}	25.6	0