

POINT LOAD TEST DATA (ASTM D5731)

Project Name: <u>HAM-126-19.50</u>	Project Number: <u>114652</u>
Boring Number: <u>B-001-0-24</u>	Sample Number: <u>NQ2-1 to NQ2-2</u>
Tested By: <u>LR</u>	Test Date: <u>11/4/2024</u>
Test Device: <u>Wille Geotechnik LP-4500</u>	Serial Number: <u>2510A971409</u>
Readout: <u>LEO 2 digital Manometer</u>	Calibrated Date: <u>1/8/2024</u>
Moisture Content %: <u>10.07%</u>	

Sample Details: Shale, gray, highly to moderately weathered, very weak, fissile. Tested in as received wrapped moisture condition.

Specimen Number	Test Type	Width (w), mm	D (De), mm	Length (L), mm	Load (P), kN	De ² , mm ²	De, mm	Is, Mpa	F	Is ₍₅₀₎ , MPa
1	a	50.14	29.05		0.14	1855	43.06971	0.08	0.935	0.07
2	a	50.02	20.77		0.23	1323	36.37307	0.17	0.867	0.15
3	a	48.34	27.29		0.2	1680	40.9878	0.12	0.914	0.11
4	a	46.96	19.36		0.23	1158	34.0294	0.20	0.841	0.17
5	a	49.6	19.64		0.26	1240	35.21363	0.21	0.854	0.18
6	a	49.78	20.96		0.26	1328	36.44173	0.20	0.867	0.17
7	a	49.57	18.44		0.2	1164	34.11744	0.17	0.842	0.14
8	a	49.87	21.71		0.17	1379	37.13489	0.12	0.875	0.11
9	a	50.02	30.28		0.31	1928	43.909	0.16	0.943	0.15
10	a	49.67	22.69		0.17	1435	37.88139	0.12	0.883	0.11

d = diametral

a = axial

b = block

i = irregular lump

⊥ = perpendicular to plane of weakness

// = parallel to plane of weakness

Statistics	
Mean Is ₍₅₀₎ ⊥	0.136
Mean Is ₍₅₀₎ //	
Ia ₍₅₀₎ //	

Strength Conversion Factor, K: 23
Uniaxial compressive Strength, Sc: 3.128 Mpa