

Project No. 1000-012-08
Client H. Manalo Consulting Ltd.
Project Beausejour Lagoon

Test Hole Sample 2
Trek Sample # L229
Depth (m) N/A
Sample Date
Test Date Sept 02, 2015 to Sept 23, 2015
Technician Paul Bevel

Specimen Details

Visual Classification Clay, silty, trace silt, mottled brown and grey, firm, high plasticity

Comments The specific gravity of the soil was assumed to be 2.75.

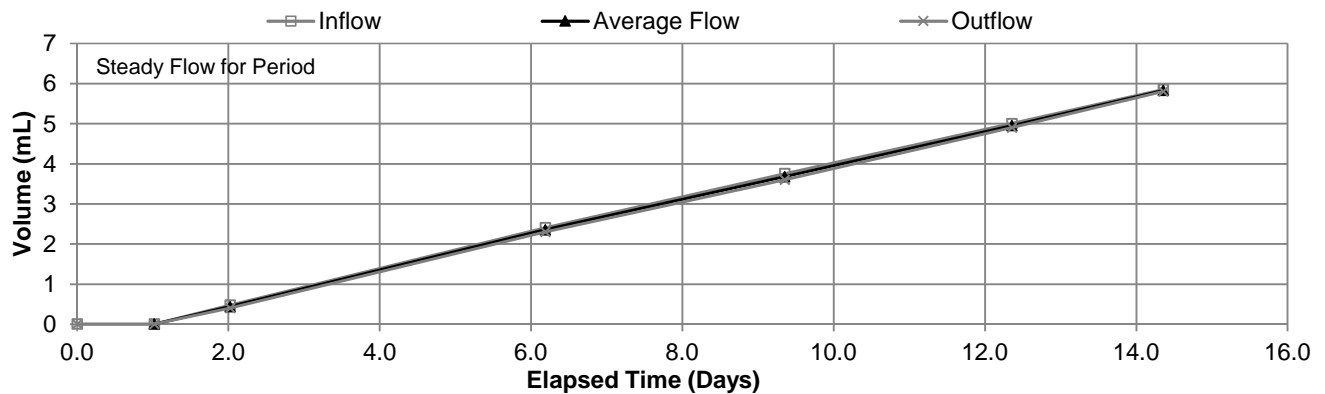
Atterberg Limits

Liquid Limit Not Requested
Plastic Limit Not Requested
Plasticity Index Not Requested

Test Details

Permeant Distilled, de-aired water
Method Constant Head
Cell Pressure 137.9 kPa
Influent Pressure 113.8 kPa
Effluent Pressure 96.5 kPa
Gradient 27.35

Permeation Graph



Steady Flow Permeation Data

Time Increment (Days)	Elapsed Time (Days)	Flow (Q)		Inflow / Outflow Ratio	Average Flow (mL)	Temperature Correction	Corrected Hydraulic Conductivity, k_{20} (m/s)
		Influent (mL)	Effluent (mL)				
4.17	6.19	1.93	1.90	1.02	1.92	0.95	4.49E-11
3.17	9.35	1.35	1.30	1.04	1.33	0.95	4.09E-11
3.00	12.35	1.25	1.30	0.96	1.28	0.95	4.15E-11
2.00	14.35	0.85	0.90	0.94	0.88	0.95	4.27E-11

Average Temperature Corrected Hydraulic Conductivity, k_{20} (m/s) **4.25E-11 (4.25x10⁻⁹ cm/s)**

Consolidation Data

	Average Height (m)	Average Diameter (m)	Moisture Content (%)	Dry Density (kN/m ³)	Degree of Saturation (%)	Cell Pressure	Back Pressure
Initial	0.063	0.072	51.9	11.0	99.7	172.4	131.0
Final	0.064	0.073	57.0	10.5	100.7	172.4	131.0