

HYDRAULIC CONDUCTIVITY TEST REPORT

CLIENT: L. Chabot Enterprise Ltd. 25002 Hazelridge Road Oakbank, MB. R5N 0E9	PROJECT NO. 137-2302
ATTENTION: Rajinder Singh	TEST NO.: 3
PROJECT: Alexander Lagoon	LAB NO.: HM 465

Date Sampled: 12-Sep-23	Date Received: 12-Sep-23	Sampled By: HMCL
Test Started: 14-Sep-23	Test Ended: 03-Oct-23	Sample ID: ST 2 (Phase 2)

Test Result

Corrected Saturated Hydraulic Conductivity, K_s (cm/sec) 1.14×10^{-8}

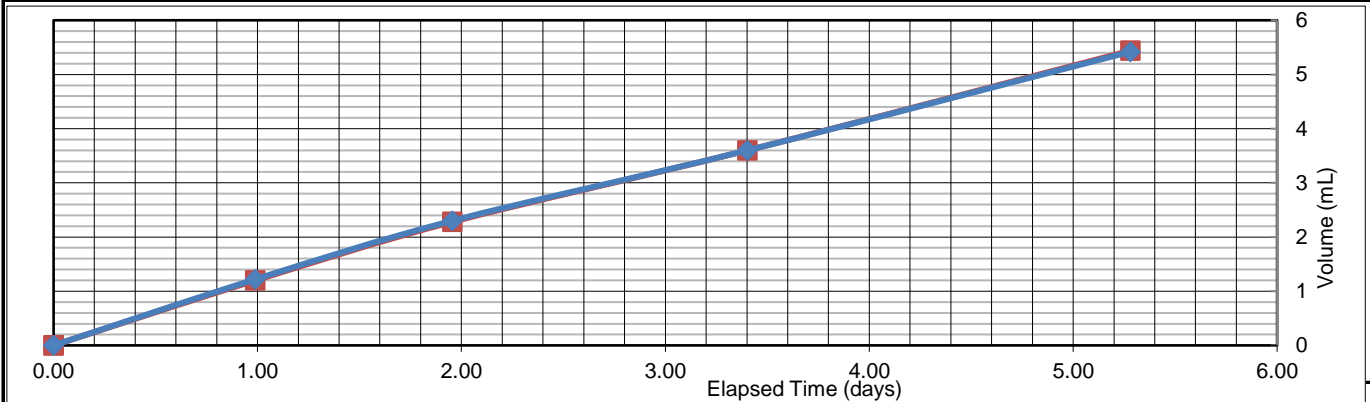
Consolidation Data

	Avg. Height (m)	Avg. Diameter (m)	Moisture Content %	Degree of Saturation %	Cell Pressure kPa	Back Pressure kPa
Initial	0.077	0.071	38.7	92.9	107.0	74.0
Final	0.077	0.072	44.6	101.4	107.0	74.0

Permeation Data

Time Increment (Days)	Elapsed Time (Days)	Q (ml)		In/Out Ratio	Average Flow (ml)	Temperature Correction	Corrected Conductivity, K_s (m/s)
		In	Out				
0.99	0.99	1.22	1.20	1.017	1.21	0.94	1.31E-10
0.97	1.95	1.08	1.08	1.000	1.08	0.95	1.21E-10
1.45	3.40	1.30	1.32	0.985	1.31	0.96	9.94E-11
1.88	5.28	1.82	1.84	0.989	1.83	0.95	1.06E-10

Permeant: De-aired tap water Hydraulic Gradient: 25.71

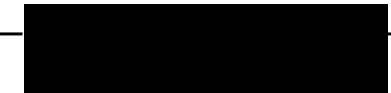


Comments

Specific gravity of soil was assumed to be 2.75

Remarks: Test Method: ASTM D5084 (Constant Head)

Technician: PB/MK



Reviewed by: Paul Bevel

HYDRAULIC CONDUCTIVITY TEST REPORT

CLIENT:	L. Chabot Enterprise Ltd. 25002 Hazelridge Road Oakbank, MB. R5N 0E9	PROJECT NO.:	137-2302
ATTENTION:	Rajinder Singh	TEST NO.:	4
PROJECT:	Alexander Lagoon	LAB NO.:	HM 465

Date Sampled:	12-Sep-23	Date Received:	12-Sep-23	Sampled By:	HMCL
Test Started:	14-Sep-23	Test Ended:	03-Oct-23	Sample ID:	ST 5 (Phase 2)

Test Result

Corrected Saturated Hydraulic Conductivity, K_s (cm/sec) 8.32×10^{-9}

Consolidation Data

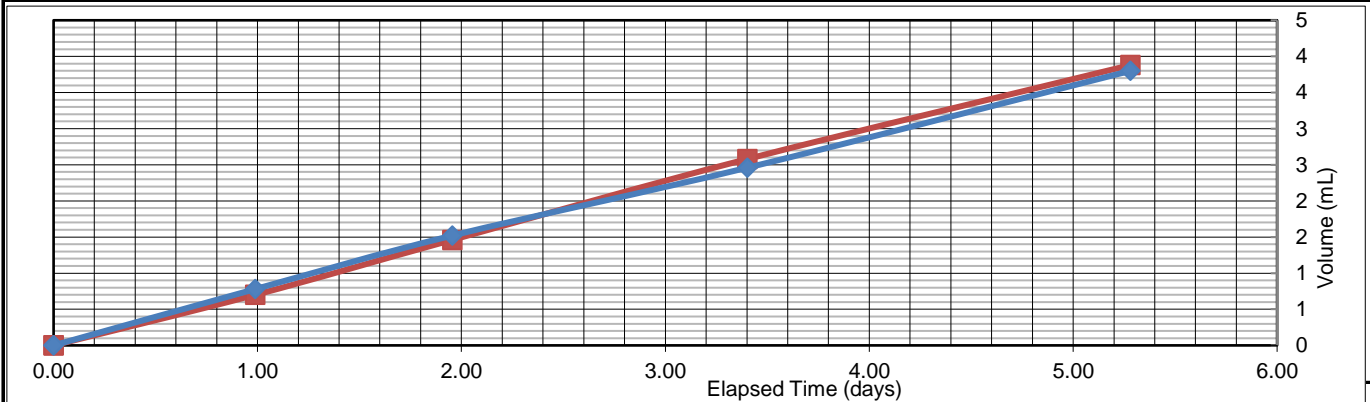
	Avg. Height (m)	Avg. Diameter (m)	Moisture Content %	Degree of Saturation %	Cell Pressure kPa	Back Pressure kPa
Initial	0.079	0.071	25.4	93.3	107.0	74.0
Final	0.081	0.072	31.7	101.7	107.0	74.0

Permeation Data

Time Increment (Days)	Elapsed Time (Days)	Q (ml)		In/Out Ratio	Average Flow (ml)	Temperature Correction	Corrected Conductivity, K_s (m/s)
		In	Out				
0.99	0.99	0.78	0.70	1.114	0.74	0.94	8.37E-11
0.97	1.95	0.74	0.76	0.974	0.75	0.95	8.80E-11
1.45	3.40	0.94	1.12	0.839	1.03	0.96	8.15E-11
1.88	5.28	1.34	1.30	1.031	1.32	0.95	7.96E-11

Permeant: De-aired tap water

Hydraulic Gradient: 24.65



Comments

Specific gravity of soil was assumed to be 2.75

Remarks: Test Method: ASTM D5084 (Constant Head)

Technician: PB/MK

Reviewed by: Paul Bevel