

LOG OF BORING: BH-01 Validation Showcase

EASTING: -80.4921 m

NORTHING: 43.4516 m

VALIDATION STATUS: FAILED - 1 Errors / 5 Warnings

PROJECT: Validation QA and QC Examples

PROJECT NO.: Validation QA and QC Examples

COMPLETENESS: 100%

DATE: 2026-08-05

SURFACE ELEVATION: 326.4

CONFIDENCE: 75%

QA/QC STATE: In Progress - Review Required

Depth (m)	Water Level	Symbol	Lithology / Description	Sample	Type	SPT N	Recovery (%)	Natural Moisture Content and Atterberg Limits	Core Run	RQD % 20 40 60 80	SCR % 20 40 60 80	TCR % 20 40 60 80	Validation
0.0			Ground Surface										
1.0			Sand and gravel FILL with trace brick fragments; moist.	SS-1	SS	4,6,8	65						
2.0			Fill Dark Brown Fine pores Loose Not Perceptible	SS-2	SS	6,8,10	72						INFO: Abrupt water content change
3.0			Brown silty SAND, trace gravel; moist to wet.										
4.0			Silty Sand Brown Fine pores Loose to Compact Not Perceptible	SS-3	SS	8,10,12	76						INFO: High moisture above 4.0 m; soil is highly saturated
5.0			Grey silty CLAY of low plasticity; moist to wet.	ST-1	ST		98						WARNING: Soft clay with high recovery.
6.0			Clay Grey Fine pores Soft to Firm Not Perceptible	SS-4	SS	2,3,4	70						
7.0				SS-5	SS	18,21,22	74						
8.0				SS-6	SS	20,28,30	82						WARNING: High N-value with high moisture. WARNING: Refusal in soft soil
9.0													
10.0													
11.0			Grey-brown silty SAND with gravel; dense.	SS-7	SS	12,18,22	78						
12.0			Silty Sand Grey Brown Fine pores Dense Not Perceptible	SS-8	SS	18,24,28	80						INFO: Water content below 12.0 m; negative liquidity index
13.0													
14.0				SS-9	SS	24,30,34	85						
15.0													

Validation Summary: 1 errors, 5 warnings - review required.

Water Observations: Water strike 4.8 m; stabilized 5.6 m; check 5.4 m.

Notes: Deliberate QA/QC exceptions included for demonstration and training.

Reviewed By: Pending

Approved By: Pending

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16.0			Sandy SILT TILL with gravel and cobbles; very dense. Glacial Till Brown Grey Fine pores Very Dense Not Perceptible	SS-10	SS	30,40,50	88						ERROR: RQD exceeds TCR WARNING: RQD greater than SCR WARNING: Excellent RQD inconsistent with weathering
17.0				SS-11	SS	50,50,50	90						
18.0			Highly weathered shale bedrock; broken core. Weathered Rock Grey Fractured Highly Weathered Not Perceptible	RC-1	Core		82		C1				
19.0				RC-2	Core		90		C2				
20.0			Dark grey SHALE; moderately weathered becoming fresh with depth. Shale Bedrock Dark Grey Fractured Competent Not Perceptible	RC-3	Core		98		C3				
21.0				RC-4	Core		94		C4				
22.0				RC-5	Core		96		C5				
23.0				RC-6	Core		97		C6				
24.0				RC-7	Core		99		C7				
25.0				RC-8	Core		97		C8				
26.0													
27.0													
28.0													
29.0													
30.0													

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