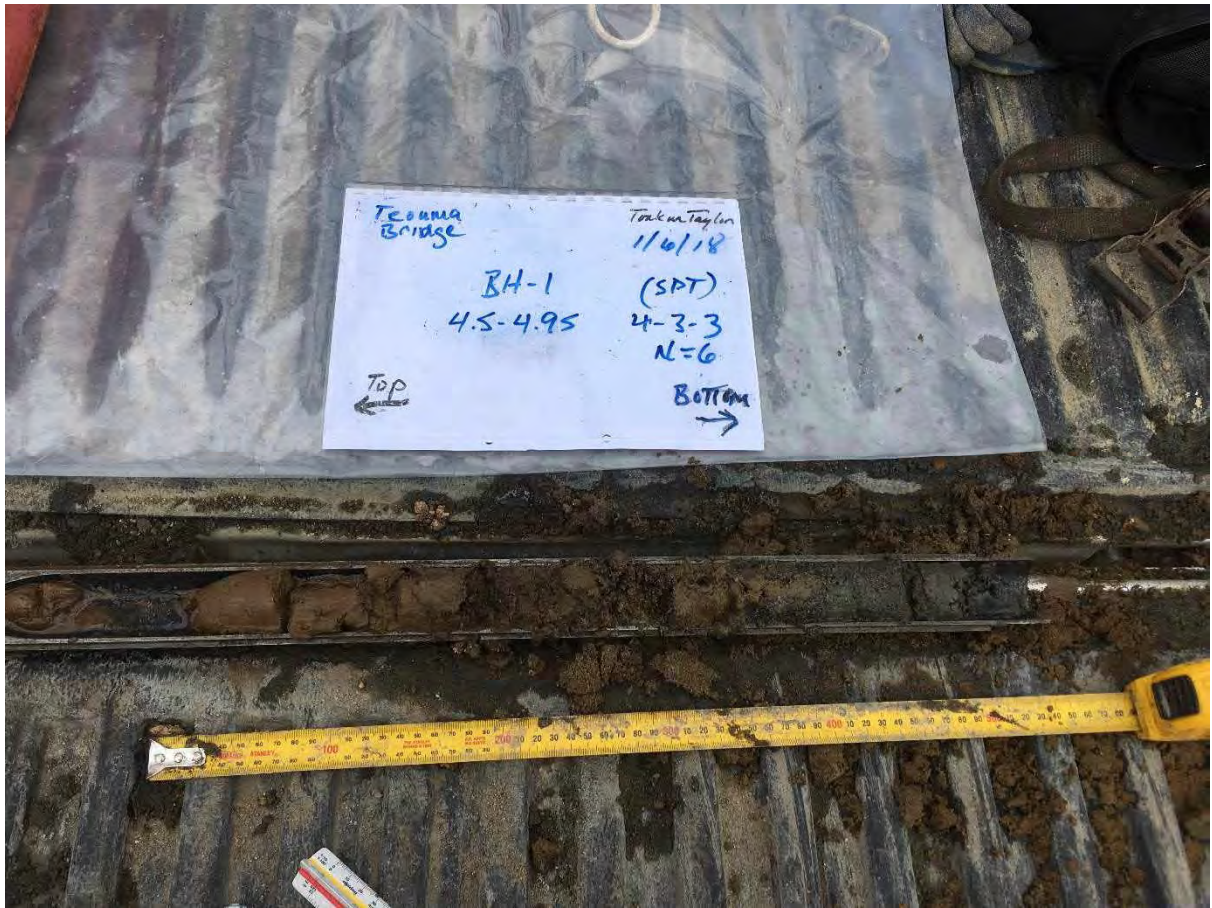


BH-1 Photos – Teouma Bridge, Vanuatu

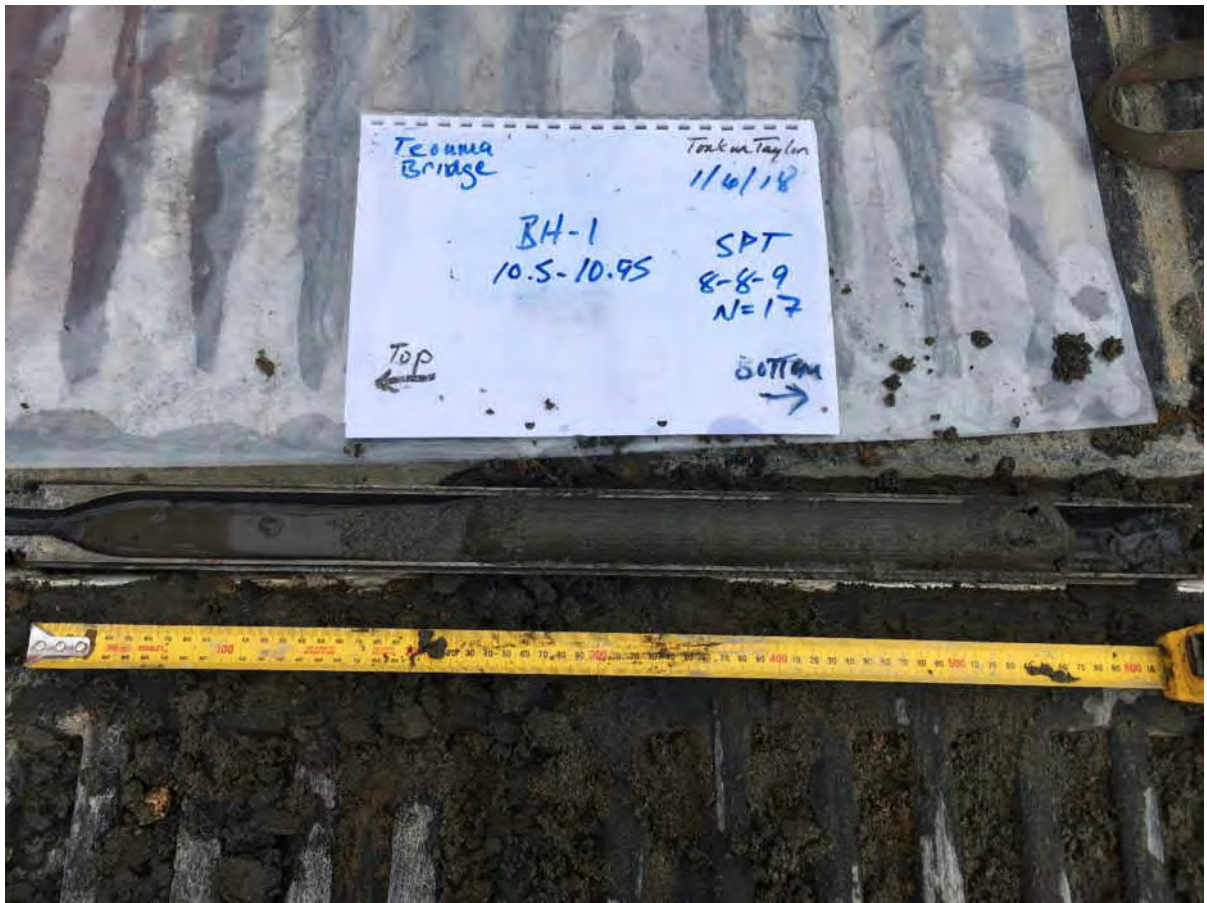






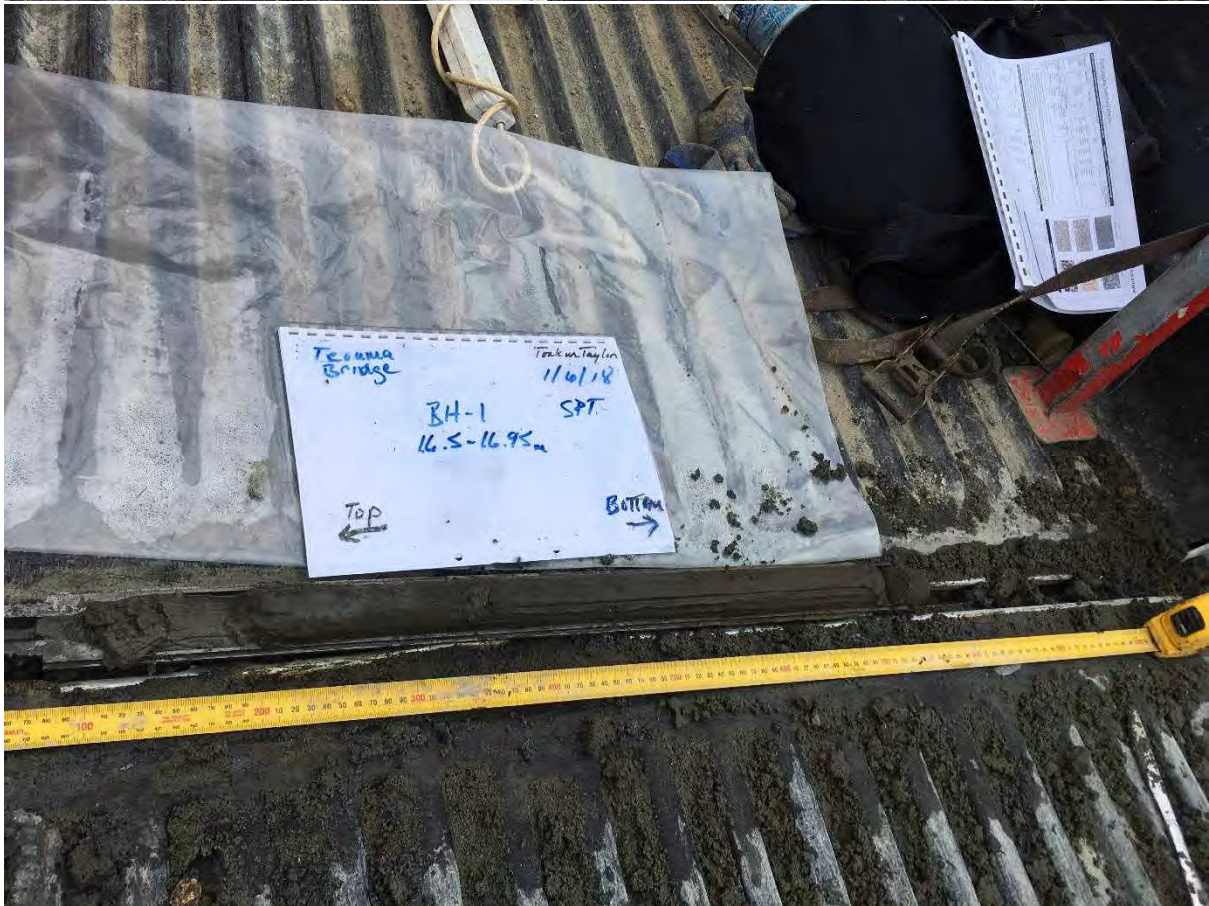


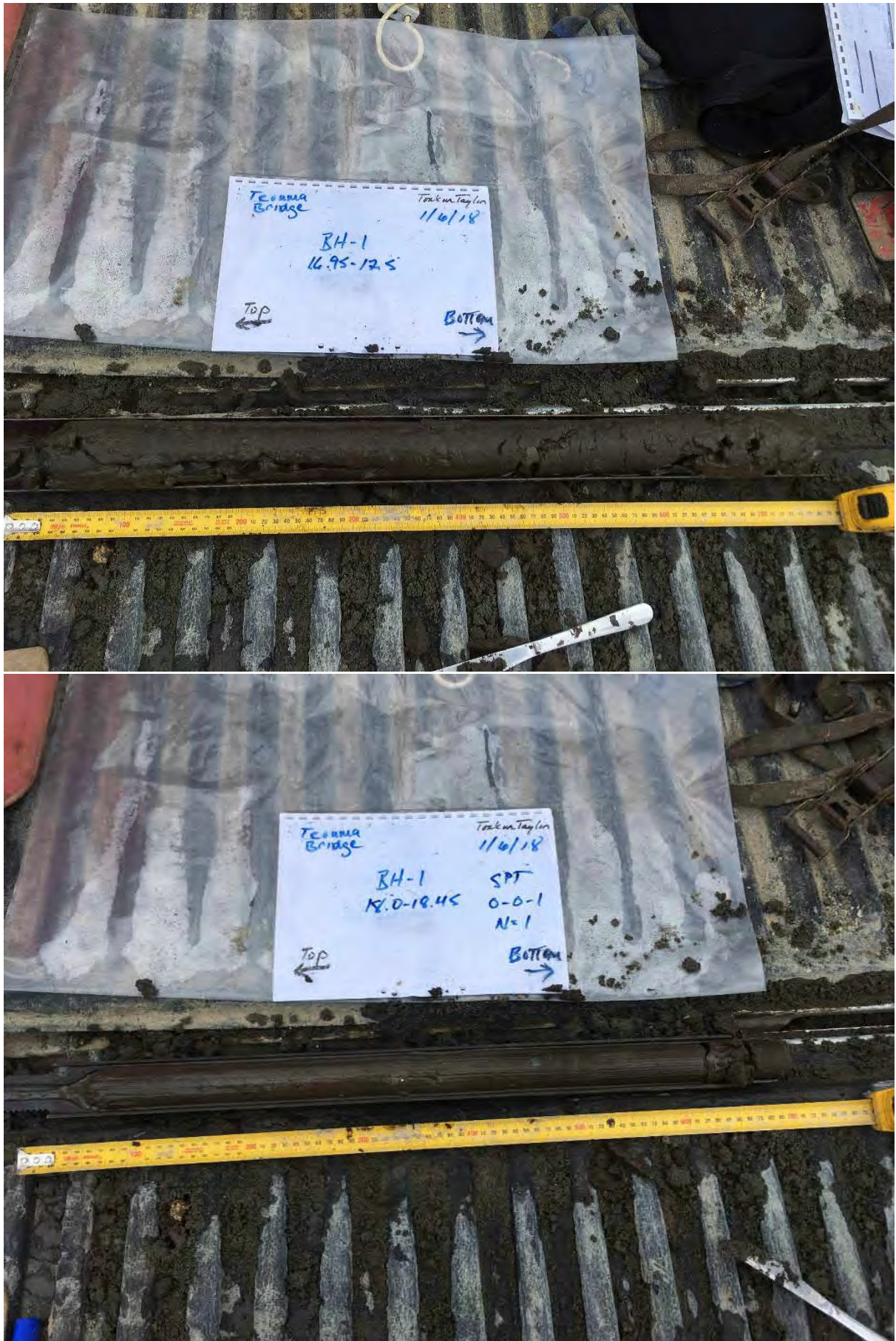


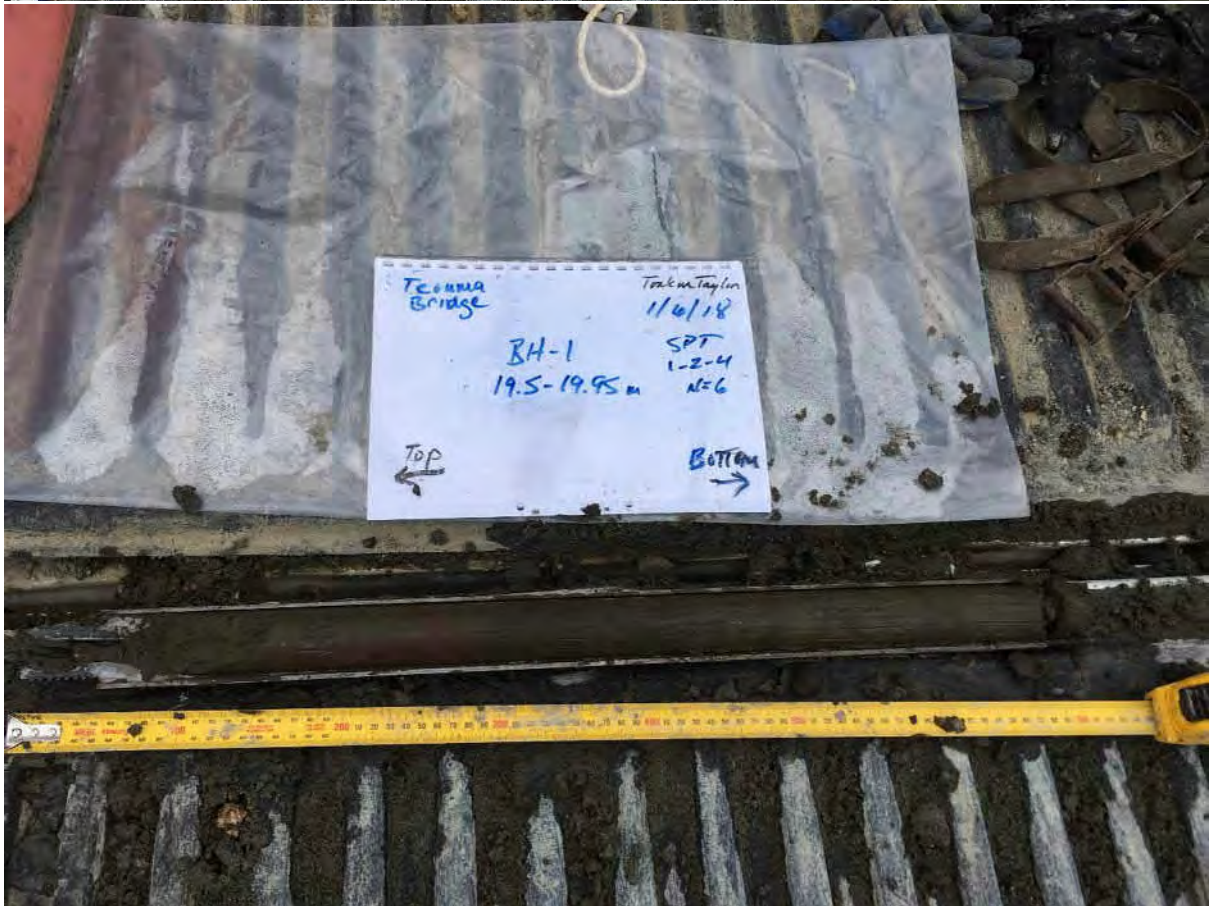






















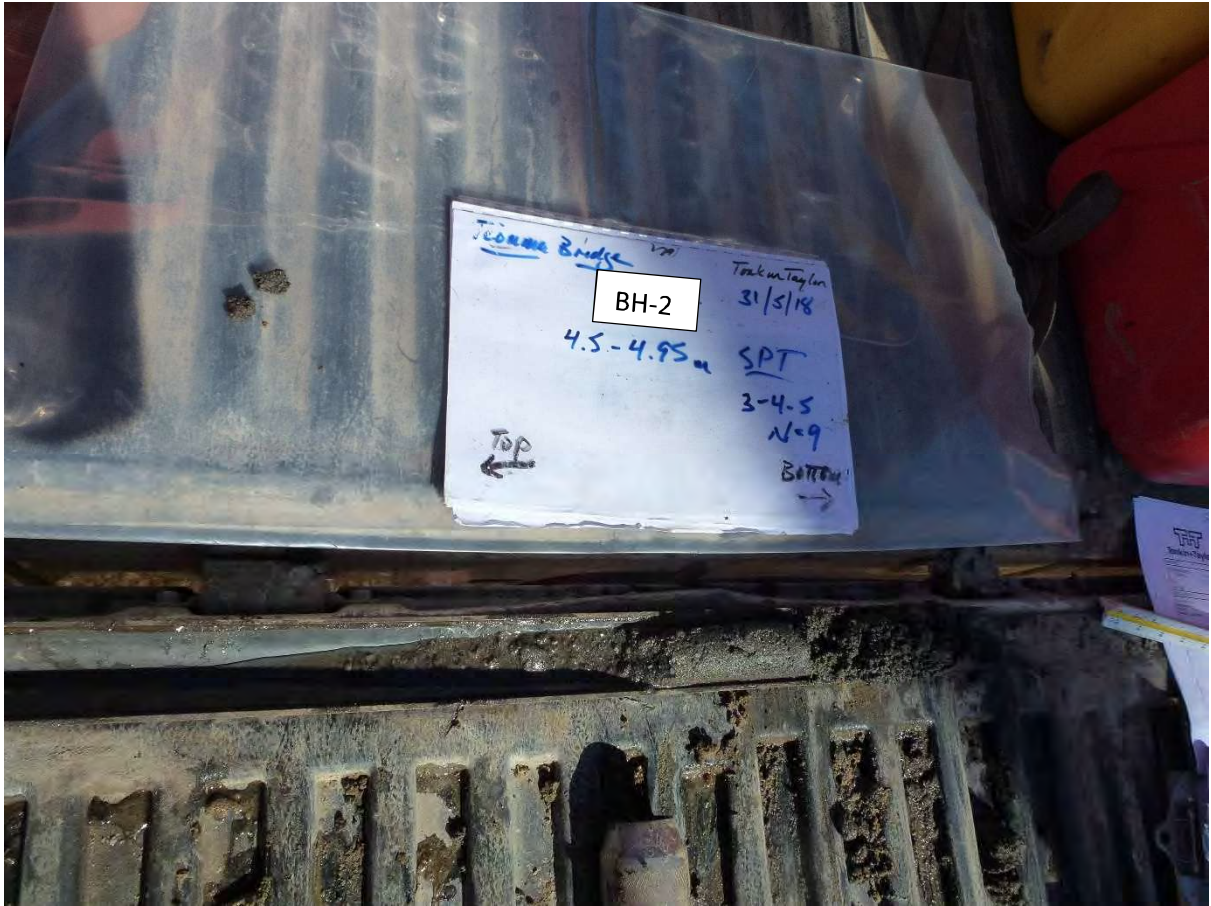






BH-2 Photos – Teouma Bridge, Vanuatu

































BH-3 Photos - Teouma Bridge, Vanuatu











BH-4 Photos – Teouma Bridge, Vanuatu

























CBR-1 to CBR-3 test sampling locations – Efate Ring Road, Vanuatu

CBR-1:



CBR-2:



CBR-3:



Appendix D: Laboratory Test Results

- **Moisture Content Test Results:**
 - BH-1-BH-4 (46 tests)
 - CBR-4* and CBR-5** (2 tests)
- **Particle Size Distribution Test Results:**
 - BH-1-BH-4 (25 tests)
 - CBR-4* and CBR-5** (2 tests)
- **Atterberg Limits Test Results:**
 - CBR-4* and CBR-5** (2 tests)
- **Moisture Density Relationship Test Results**
 - CBR-4* and CBR-5** (2 tests)
- **CBR Test Results:**
 - CBR-4* and CBR-5* (2 tests)

* CBR-4 referred to as Test number: #1 in laboratory reports

* CBR-5 referred to as Test number: #2 in laboratory reports



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**MATERIALS
LABORATORY
PORT VILA**

Moisture Content Report

Client :	TONKIN + TAYLOR	Report Number:	CL/116 - 13
Address :	Port Vila, Port Vila	Report Date :	11/07/2018
Project Name :	Teouma Bridge	Order Number :	
Project Number :	CL/116	Test Method :	AS1289.2.1.1
Location:	Efate , Port Vila	Page 1 of 1	

Sample Number :	S-1440	S-1443	S-1444	S-1446
Test Number :	Depth 0m	Depth 7.95m	Depth 9m	Depth 15.45
Sampling Method :				
Date Sampled :	28/06/2018	26/06/2018	26/06/2018	26/06/2018
Date Tested :	2/07/2018	2/07/2018	2/07/2018	2/07/2018
Material Type :				
Material Source :				
Lot Number :	BoreHole 1	BoreHole 1	BoreHole 1	BoreHole 1
Sample Location :	Teouma Bridge BH1 Depth 0m	Teouma Bridge BH1 Depth 7.95m	Teouma Bridge BH1 Depth 9m	Teouma Bridge BH1 Depth 15.45
Oven Temperature (°C) :				
Soil Description :				
Moisture Content (%) :	47.2	92.5	49.2	89
Remarks :				

	<p>APPROVED SIGNATORY</p>  <p>Document Code RF120-6</p> <p style="text-align: right;">01/06/2018</p>
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**MATERIALS
LABORATORY
PORT VILA**

Moisture Content Report

Client :	TONKIN + TAYLOR	Report Number:	CL/116 - 14
Address :	Port Vila, Port Vila	Report Date :	11/07/2018
Project Name :	Teouma Bridge	Order Number :	
Project Number :	CL/116	Test Method :	AS1289.2.1.1
Location:	Efate , Port Vila	Page 1 of 1	

Sample Number :	S-1448	S-1449	S-1450	S-1451
Test Number :	Depth 16.5m	Depth 25.5m	Depth 24.5	Depth 27.45m
Sampling Method :				
Date Sampled :	26/06/2018	26/06/2018	26/06/2018	26/06/2018
Date Tested :	2/07/2018	2/07/2018	2/07/2018	2/07/2018
Material Type :				
Material Source :				
Lot Number :	BoreHole 1	BoreHole 1	BoreHole 1	BoreHole 1
Sample Location :	Teouma Bridge BH1 Depth 16.5m	Teouma Bridge BH1 Depth 25.5m	Teouma Bridge BH1 Depth 24.5	Teouma Bridge BH1 Depth 27.45m
Oven Temperature (°C) :				
Soil Description :				
Moisture Content (%) :	66	51.5	64.5	53
Remarks :				

	<p>APPROVED SIGNATORY</p>  <p>01/07/2018</p> <p>Document Code RF120-6</p>
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**MATERIALS
LABORATORY
PORT VILA**

Moisture Content Report

Client :	TONKIN + TAYLOR	Report Number:	CL/116 - 15
Address :	Port Vila, Port Vila	Report Date :	11/07/2018
Project Name :	Teouma Bridge	Order Number :	
Project Number :	CL/116	Test Method :	AS1289.2.1.1
Location:	Efate , Port Vila	Page 1 of 2	

Sample Number :	S-1453	S-1455	S-1456	S-1457
Test Number :	Depth 34.5m	Depth 30m	Depth 39m	Depth 40.5m
Sampling Method :				
Date Sampled :	26/06/2018	26/06/2018	26/06/2018	26/06/2018
Date Tested :	9/07/2018	9/07/2018	9/07/2018	9/07/2018
Material Type :				
Material Source :				
Lot Number :	BoreHole 1	BoreHole 1	BoreHole 1	BoreHole 1
Sample Location :	Teouma Bridge BH1 Depth 34.5m	Teouma Bridge BH1 Depth 30m	Teouma Bridge BH1 Depth 39m	Teouma Bridge BH1 Depth 40.5m
Oven Temperature (°C) :				
Soil Description :				
Moisture Content (%) :	63	64.5	67.5	71
Remarks :				

	<p>APPROVED SIGNATORY</p>  <p>Document Code RF120-6</p>
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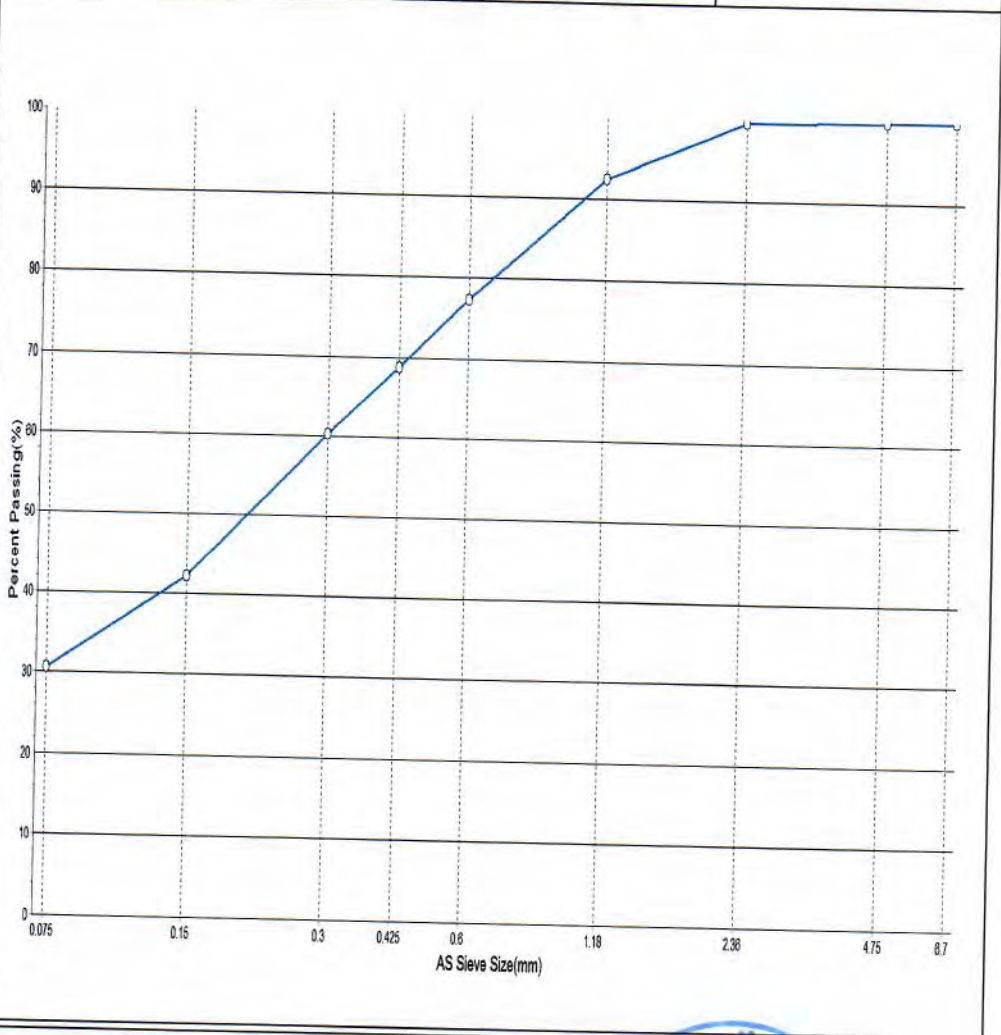
**MATERIALS
LABORATORY
PORT VILA**

Particle Size Distribution Report

Client :	TONKIN + TAYLOR	Report Number:	CL/116 - 16
Address :	Port Vila, Port Vila	Report Date :	11/07/2018
Project Name :	Teouma Bridge	Order Number :	
Project Number :	CL/116	Test Method :	AS1289.3.6.1
Location:	Efate , Port Vila	Page 1 of 1	

Sample Number : Sampling Method : Sampled By : Date Sampled : Date Tested : Material Type : Material Source : Remarks :	S-1443 Client 26/06/2018 9/07/2018	SAMPLE LOCATION	
		Teouma Bridge	
		BH1	
		Depth 7.95m	
		Test Number :	Depth 7.95m
Lot Number :	BoreHole 1		
Specification Number :			

AS Sieve Size(mm)	Percent Passing	Specification Limits
100		
75		
63		
53		
37.5		
26.5		
19.0		
16.0		
13.2		
9.5		
6.7	100	
4.75	100	
2.36	100	
1.18	92	
0.600	77	
0.425	69	
0.300	60	
0.150	42	
0.075	31	



	APPROVED SIGNATORY
	<p>Document Code RF141-6</p>



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**MATERIALS
LABORATORY
PORT VILA**

Moisture Content Report

Client :	TONKIN + TAYLOR	Report Number:	CL/116 - 21
Address :	Port Vila, Port Vila	Report Date :	13/07/2018
Project Name :	Teouma Bridge	Order Number :	
Project Number :	CL/116	Test Method :	AS1289.2.1.1
Location:	Efate , Port Vila	Page 1 of 1	

Sample Number :	S-1461	S-1462	S-1464	S-1465
Test Number :	Depth 3m	Depth 4.95m	Depth 7.5m	Depth 9.45m
Sampling Method :				
Date Sampled :	26/06/2018	26/06/2018	26/06/2018	26/06/2018
Date Tested :	4/07/2018	4/07/2018	4/07/2018	4/07/2018
Material Type :				
Material Source :				
Lot Number :	BoreHole 2	BoreHole 2	BoreHole 2	BoreHole 2
Sample Location :	Teouma Bridge BH2 Depth 3m	Teouma Bridge BH2 Depth 4.95m	Teouma Bridge BH2 Depth 7.5m	Teouma Bridge BH2 Depth 9.45m
Oven Temperature (°C) :				
Soil Description :				
Moisture Content (%) :	76	54	72	53.5
Remarks :				

	APPROVED SIGNATORY  02/08/2018 Document Code RF120-6
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