Attachment 1 Site photographs

Plate 1

TP01

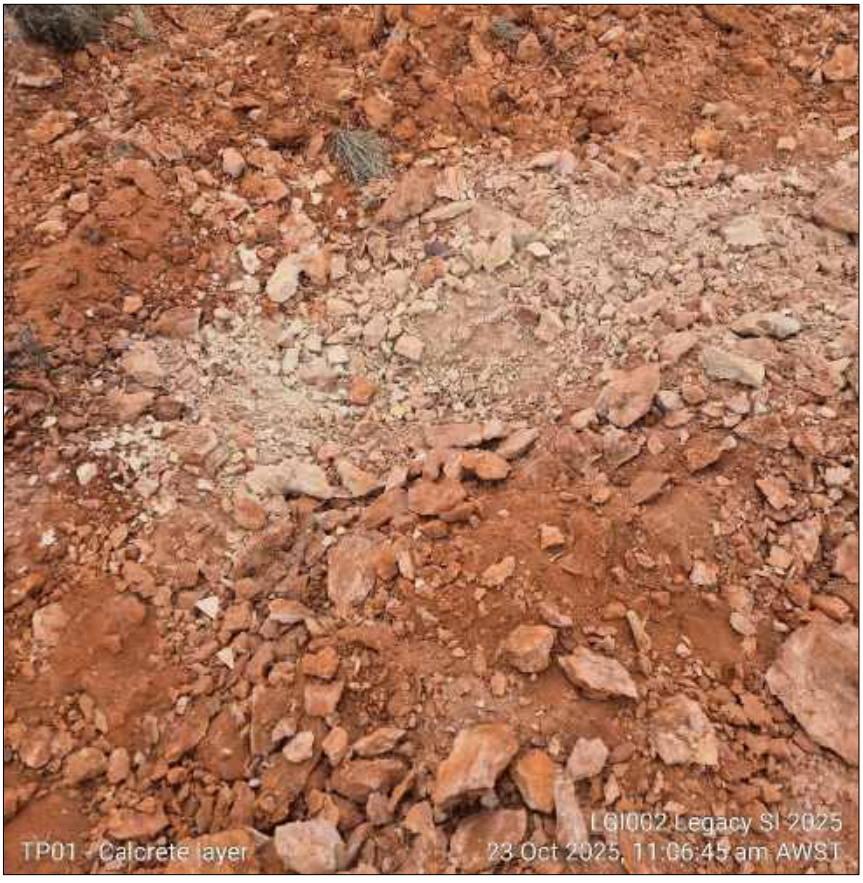

Plate 2

TP01 – Refusal on calcrete layer

Plate 3

TP02 – Total depth

Plate 4

TP02 – Calcrete layer

Plate 5

TP04 – Total depth

Plate 6

TP04 – Roots observed

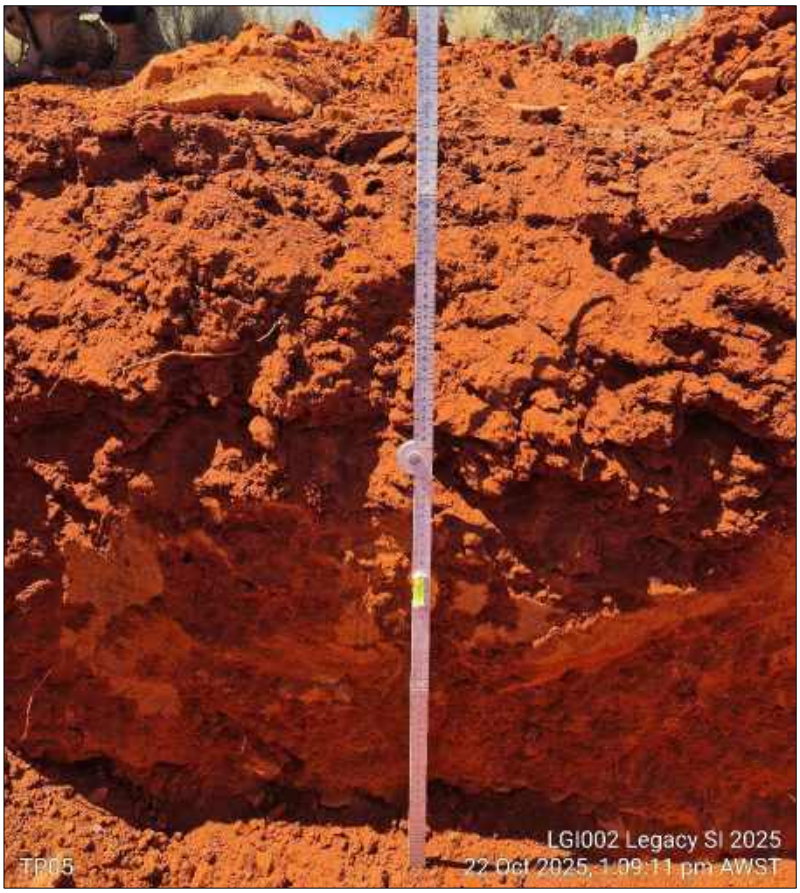

Plate 7

TP05 – Total depth

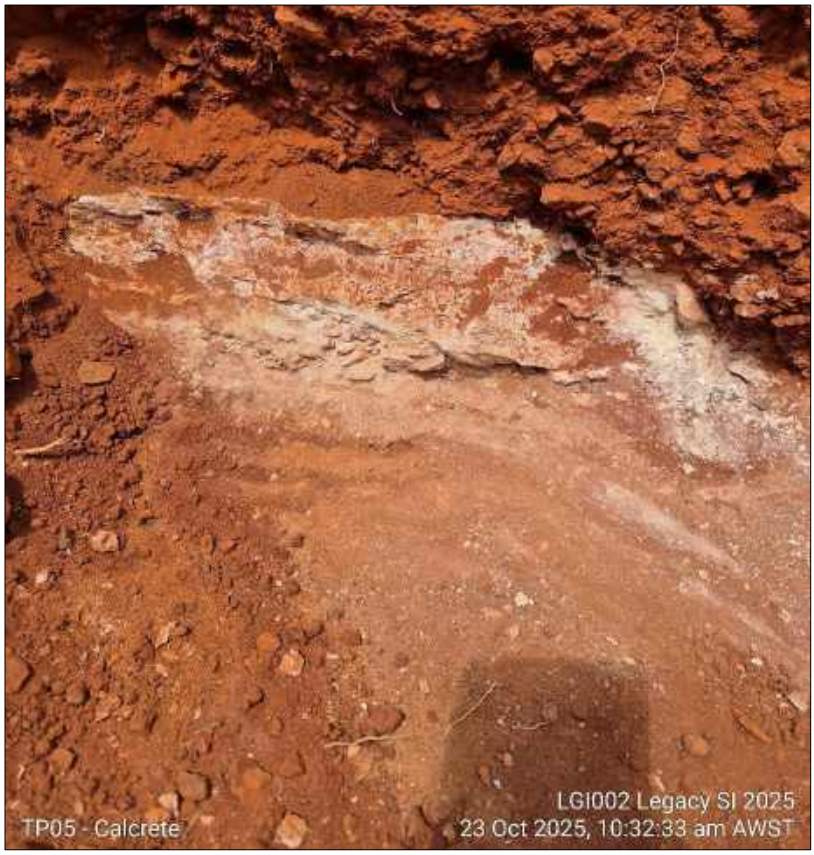

Plate 8

TP05 – Calcrete layer

Plate 9

TP06

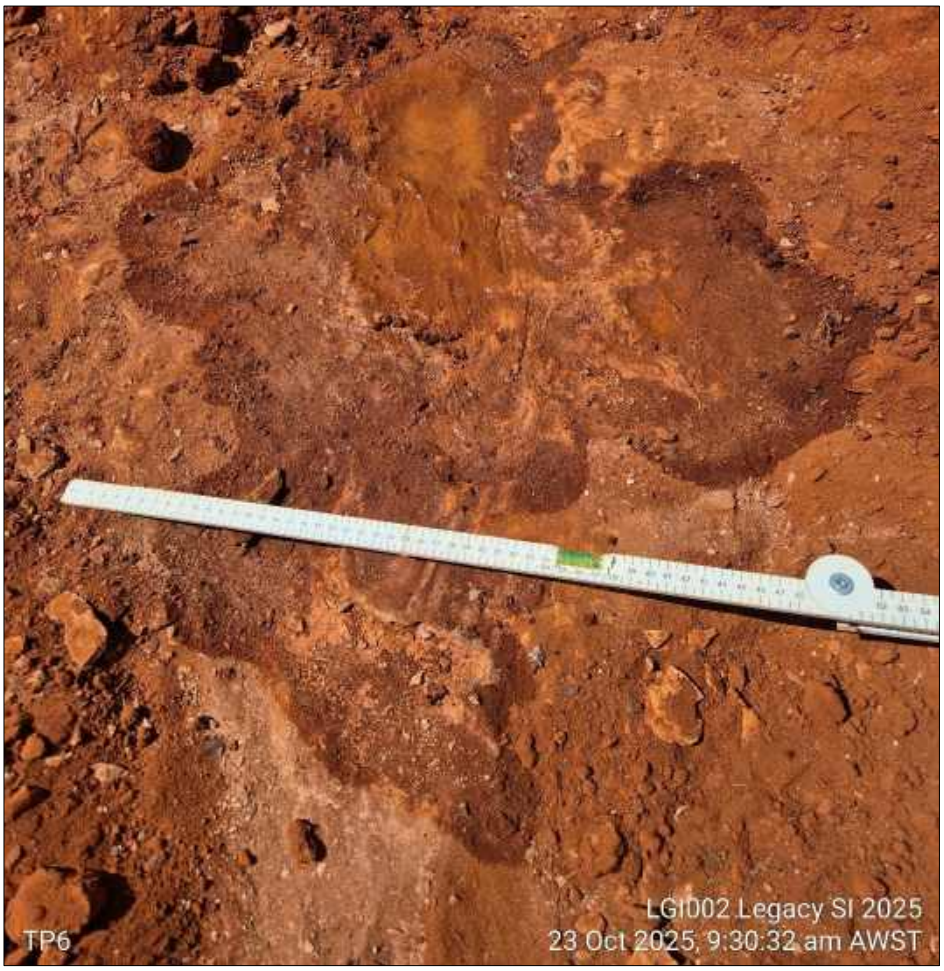

Plate 10

TP06 – Surface at the bottom of the hole

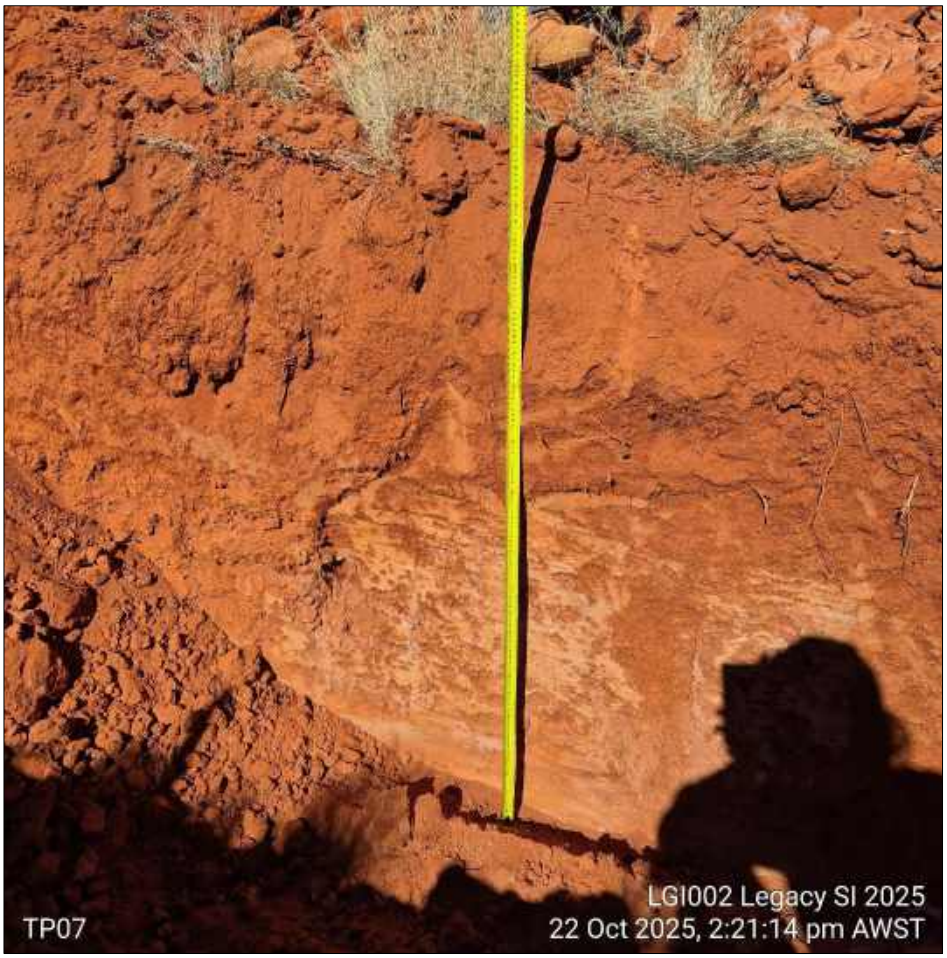

Plate 11

TP07 – Total depth

Plate 12

TP08 – Total depth

Plate 13

TP09

Plate 14

TP10 – Total depth

Plate 15

TP10

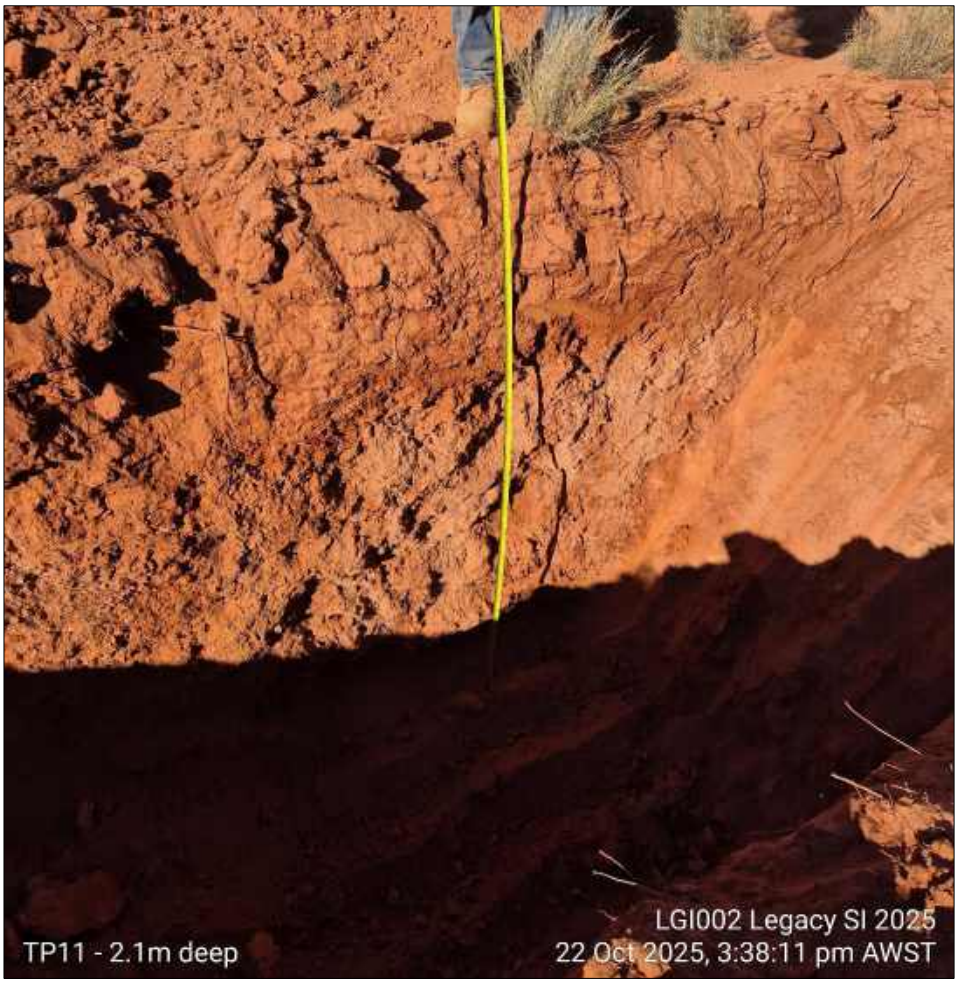

Plate 16

TP11 – 2.1 m deep

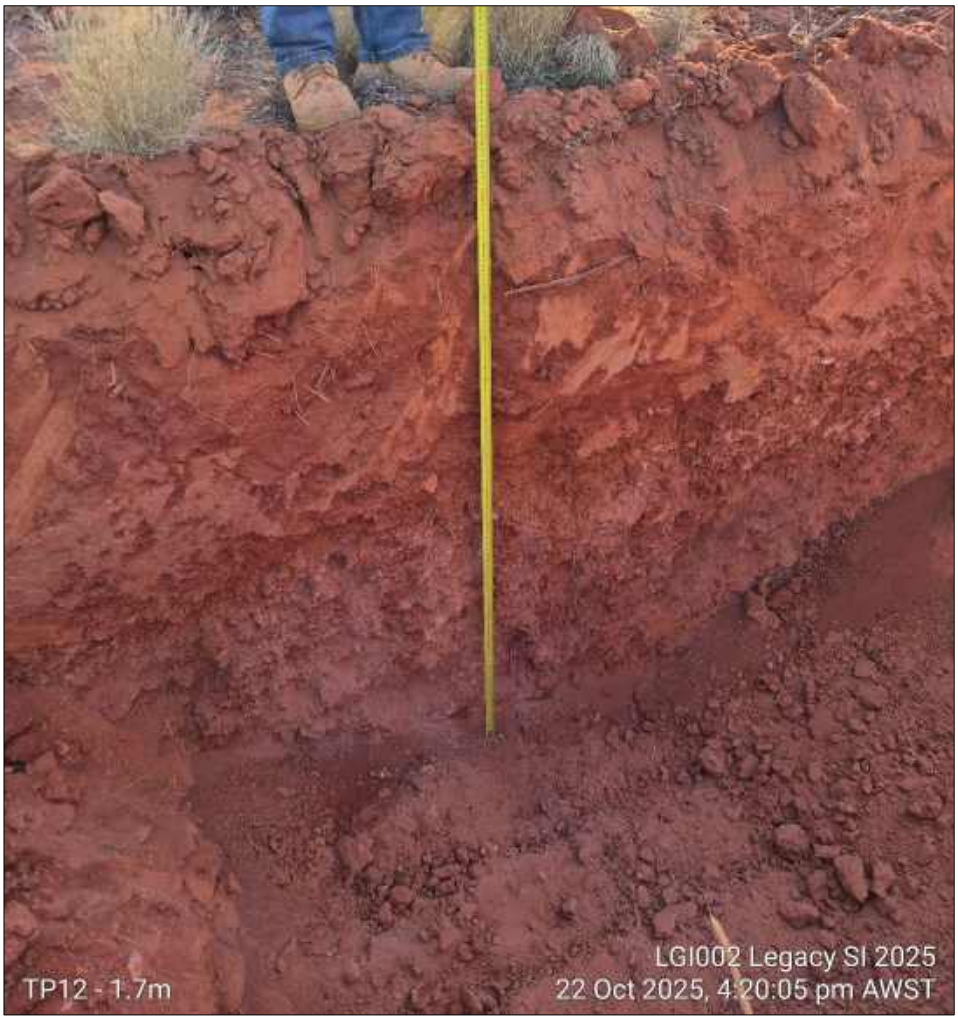

Plate 17

TP12 – 1.7m deep

Plate 18

TP13 – 2.4m deep

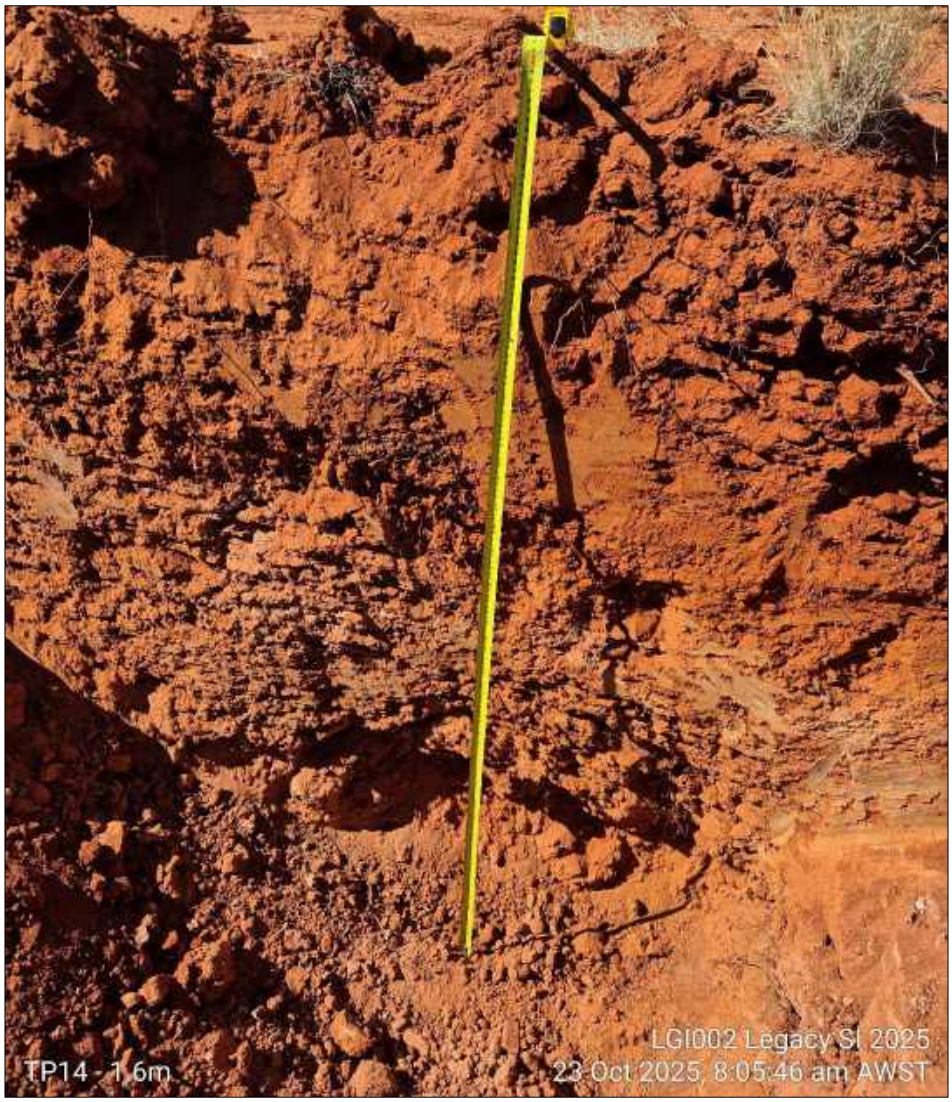

Plate 19

TP14 – 1.6m deep

Plate 20

TP15 – 2.3m deep

Plate 21

TP16

Plate 22

TP17 – Existing waste dump

Significant amount of cobbles and boulders

Plate 23

TP18 – 0.6m deep

Attachment 2 Test certificates

Construction Sciences
a kiwa company

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Fax: 08 9721 2348
Email: Bunbury@constructionsciences.net

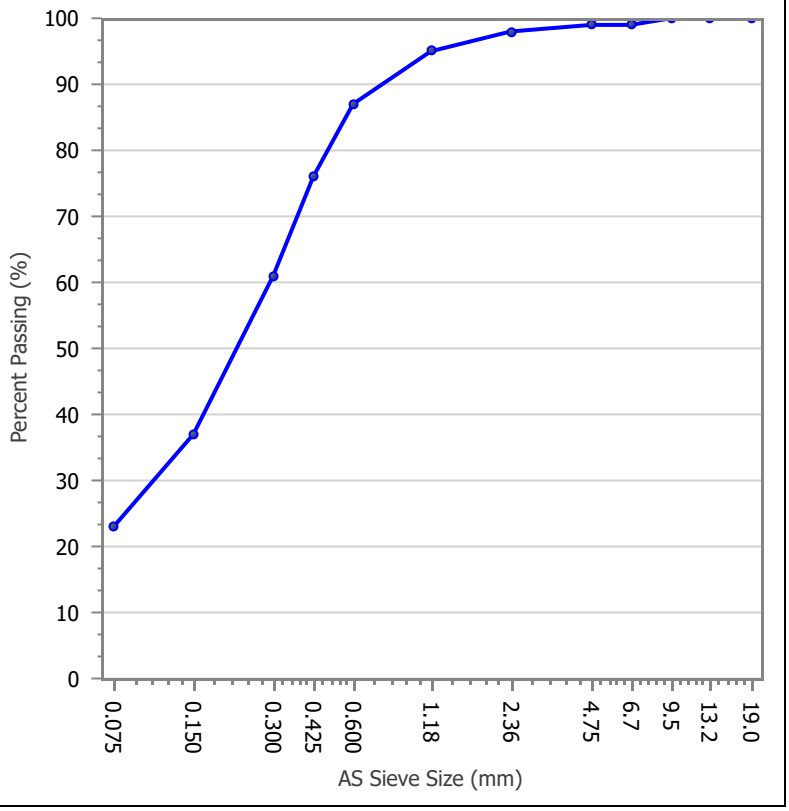
PARTICLE SIZE DISTRIBUTION REPORT

Client:	Trilab Pty Ltd	Report Number:	5022/R/26-806-1
Client Address:	2 Kimmer Road, Queens Park	Project Number:	5022/P/26-12
Project:	Tailex Pty Ltd - Perliminary Site Investigation Mt Celia HLP	Lot Number:	TP4-S1
Location:	Mount Celia	Internal Test Request:	5022/T/26-180
Supplied To:	Trilab Pty Ltd	Client Reference/s:	LGI002
Area Description:	Mt Celia HLP	Report Date / Page:	11/02/2026 Page 1 of 1

Test Procedures:	AS1289.3.6.1			
Sample Number	5022/S/26-1024	Test Pit No.		TP4
Client Reference	P25120038	Depth	m	0.00-0.40
Sampling Method	Tested As Received			Gravel
Sampled By	Client Sampled			
Date Sampled/Tested	5/12/2025 / 4/02/2026	Material Source		-
Prep / Drying Method	n/a	Material Type		-
Prep > 53mm (%)	-	Specification		-

AS Sieve (mm)	Specification Minimum (%)	**Percent Passing (%)**	Specification Maximum (%)
19.0		**100**	
13.2		**100**	
9.5		**100**	
6.7		**99**	
4.75		**99**	
2.36		**98**	
1.18		**95**	
0.600		**87**	
0.425		**76**	
0.300		**61**	
0.150		**37**	
0.075		**23**	

PARTICLE SIZE DISTRIBUTION GRAPH



Remarks	Results apply to the sample/s as received.

Accredited for compliance with ISO/IEC 17025 – Testing

NATA

Accreditation Number: 1986
Corporate Site Number: 5022

Approved Signatory: Kamil Wisniewski
Form ID: W9Rep Rev 3

Construction Sciences
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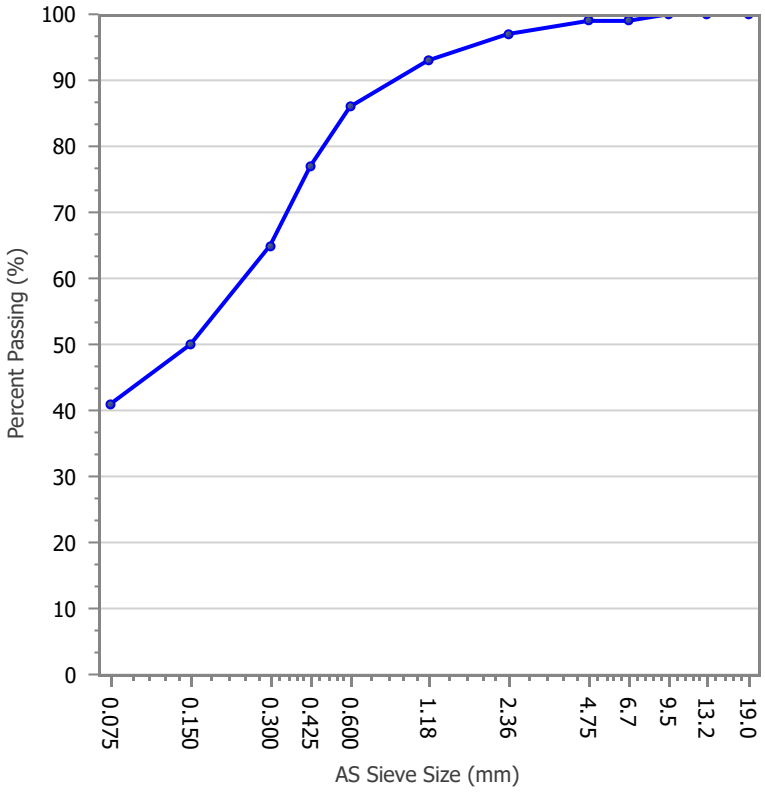
PARTICLE SIZE DISTRIBUTION REPORT

Client:	Trilab Pty Ltd	Report Number:	5022/R/26-807-1
Client Address:	2 Kimmer Road, Queens Park	Project Number:	5022/P/26-12
Project:	Tailex Pty Ltd - Perliminary Site Investigation Mt Celia HLP	Lot Number:	TP5-S1
Location:	Mount Celia	Internal Test Request:	5022/T/26-180
Supplied To:	Trilab Pty Ltd	Client Reference/s:	LGI002
Area Description:	Mt Celia HLP	Report Date / Page:	11/02/2026 Page 1 of 1

Test Procedures:	AS1289.3.6.1, AS1289.1.1			
Sample Number	5022/S/26-1025	Test Pit No.		TP5
Client Reference	P25120039	Depth	m	0.00-0.85
Sampling Method	Tested As Received			Gravel
Sampled By	Client Sampled			
Date Sampled/Tested	5/12/2025 / 4/02/2026	Material Source		-
Prep / Drying Method	n/a	Material Type		-
Prep > 53mm (%)	-	Specification		-

AS Sieve (mm)	Specification Minimum (%)	**Percent Passing (%)**	Specification Maximum (%)
19.0		**100**	
13.2		**100**	
9.5		**100**	
6.7		**99**	
4.75		**99**	
2.36		**97**	
1.18		**93**	
0.600		**86**	
0.425		**77**	
0.300		**65**	
0.150		**50**	
0.075		**41**	

PARTICLE SIZE DISTRIBUTION GRAPH



Remarks	Results apply to the sample/s as received.

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NATA

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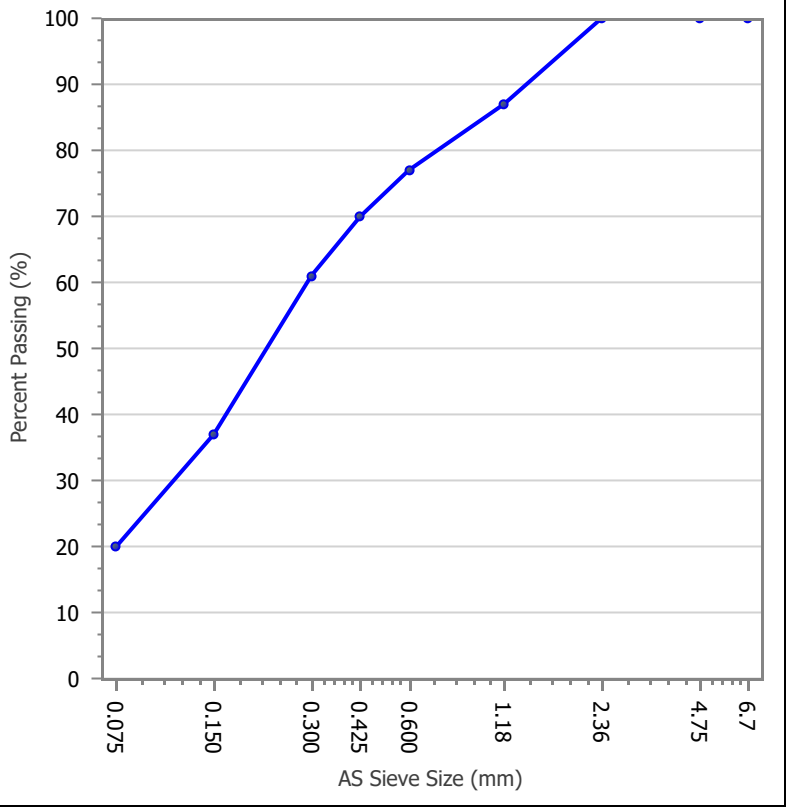
PARTICLE SIZE DISTRIBUTION REPORT

Client:	Trilab Pty Ltd	Report Number:	5022/R/26-809-1
Client Address:	2 Kimmer Road, Queens Park	Project Number:	5022/P/26-12
Project:	Tailex Pty Ltd - Perliminary Site Investigation Mt Celia HLP	Lot Number:	TP10-S1
Location:	Mount Celia	Internal Test Request:	5022/T/26-180
Supplied To:	Trilab Pty Ltd	Client Reference/s:	LGI002
Area Description:	Mt Celia HLP	Report Date / Page:	11/02/2026 Page 1 of 1

Test Procedures:	AS1289.3.6.1, AS1289.1.1			
Sample Number	5022/S/26-1026	Test Pit No.		TP10
Client Reference	P25120040	Depth	m	1.50
Sampling Method	Tested As Received			Gravel
Sampled By	Client Sampled			
Date Sampled/Tested	5/12/2025 / 4/02/2026	Material Source		-
Prep / Drying Method	n/a	Material Type		-
Prep > 53mm (%)	-	Specification		-

AS Sieve (mm)	Specification Minimum (%)	**Percent Passing (%)**	Specification Maximum (%)
6.7		**100**	
4.75		**100**	
2.36		**100**	
1.18		**87**	
0.600		**77**	
0.425		**70**	
0.300		**61**	
0.150		**37**	
0.075		**20**	

PARTICLE SIZE DISTRIBUTION GRAPH



Remarks	Results apply to the sample/s as received.

Accredited for compliance with ISO/IEC 17025 – Testing

NATA

Accreditation Number: 1986
Corporate Site Number: 5022

Approved Signatory: Kamil Wisniewski
Form ID: W9Rep Rev 3

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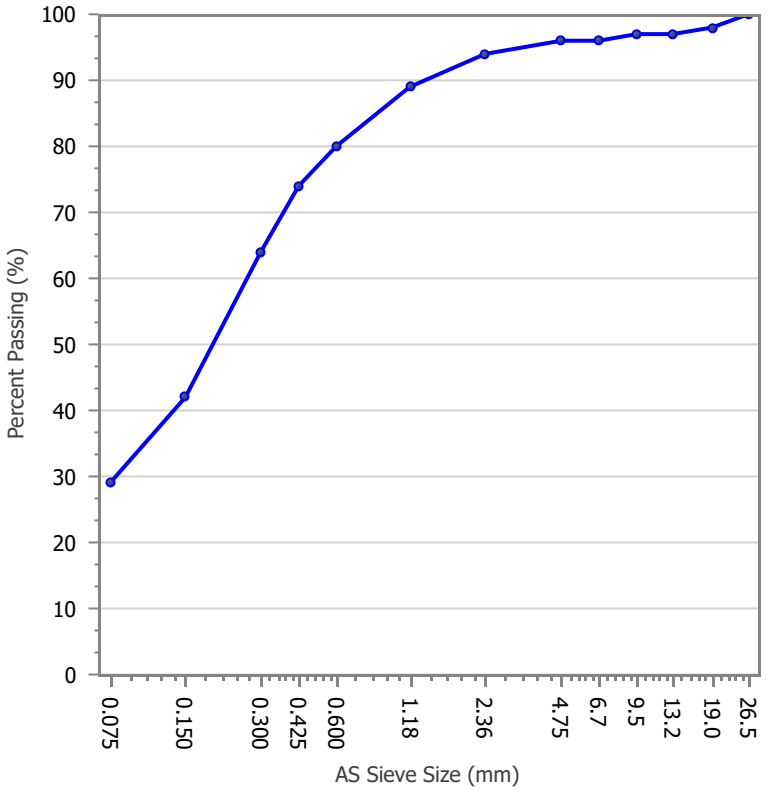
PARTICLE SIZE DISTRIBUTION REPORT

Client:	Trilab Pty Ltd	Report Number:	5022/R/26-812-1
Client Address:	2 Kimmer Road, Queens Park	Project Number:	5022/P/26-12
Project:	Tailex Pty Ltd - Perliminary Site Investigation Mt Celia HLP	Lot Number:	TP10-S2
Location:	Mount Celia	Internal Test Request:	5022/T/26-180
Supplied To:	Trilab Pty Ltd	Client Reference/s:	LGI002
Area Description:	Mt Celia HLP	Report Date / Page:	11/02/2026 Page 1 of 1

Test Procedures:	AS1289.3.6.1, AS1289.1.1			
Sample Number	5022/S/26-1027	Test Pit No.		TP10
Client Reference	P25120041	Depth	m	3.00
Sampling Method	Tested As Received			Gravel
Sampled By	Client Sampled			
Date Sampled/Tested	5/12/2025 / 4/02/2026	Material Source		-
Prep / Drying Method	n/a	Material Type		-
Prep > 53mm (%)	-	Specification		-

AS Sieve (mm)	Specification Minimum (%)	**Percent Passing (%)**	Specification Maximum (%)
26.5		**100**	
19.0		**98**	
13.2		**97**	
9.5		**97**	
6.7		**96**	
4.75		**96**	
2.36		**94**	
1.18		**89**	
0.600		**80**	
0.425		**74**	
0.300		**64**	
0.150		**42**	
0.075		**29**	

PARTICLE SIZE DISTRIBUTION GRAPH



Remarks	Results apply to the sample/s as received.

Accredited for compliance with ISO/IEC 17025 – Testing

NATA

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Corporate Site Number: 5022

Approved Signatory: Kamil Wisniewski
Form ID: W9Rep Rev 3

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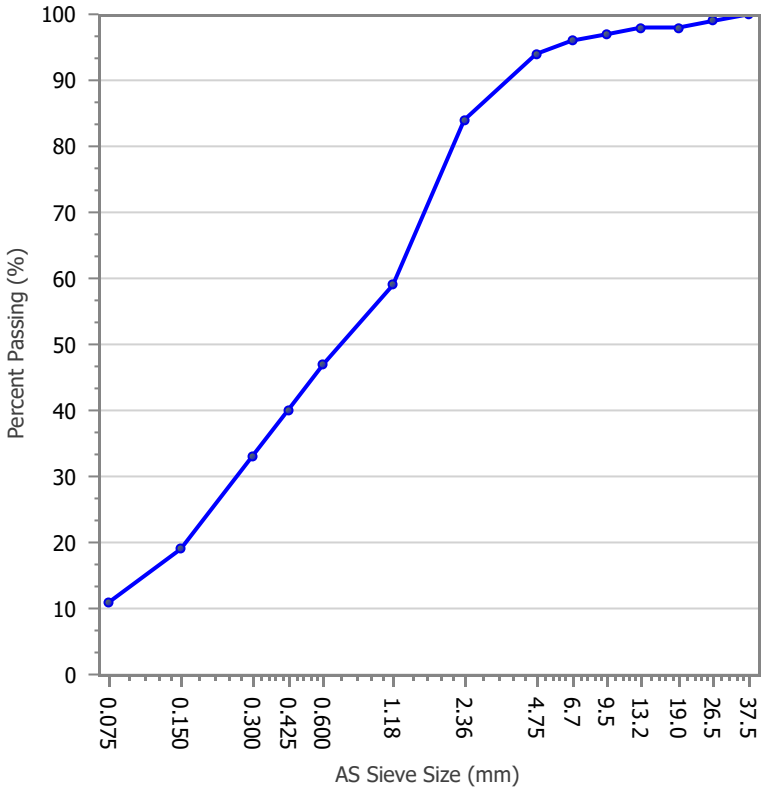
PARTICLE SIZE DISTRIBUTION REPORT

Client:	Trilab Pty Ltd	Report Number:	5022/R/26-815-1
Client Address:	2 Kimmer Road, Queens Park	Project Number:	5022/P/26-12
Project:	Tailex Pty Ltd - Perliminary Site Investigation Mt Celia HLP	Lot Number:	TP11-S1
Location:	Mount Celia	Internal Test Request:	5022/T/26-180
Supplied To:	Trilab Pty Ltd	Client Reference/s:	LGI002
Area Description:	Mt Celia HLP	Report Date / Page:	11/02/2026 Page 1 of 1

Test Procedures:	AS1289.3.6.1, AS1289.1.1			
Sample Number	5022/S/26-1028	Test Pit No.		TP11
Client Reference	P25120042	Depth	m	1.00
Sampling Method	Tested As Received			Gravel
Sampled By	Client Sampled			
Date Sampled/Tested	5/12/2025 / 4/02/2026	Material Source		-
Prep / Drying Method	n/a	Material Type		-
Prep > 53mm (%)	-	Specification		-

AS Sieve (mm)	Specification Minimum (%)	**Percent Passing (%)**	Specification Maximum (%)
37.5		**100**	
26.5		**99**	
19.0		**98**	
13.2		**98**	
9.5		**97**	
6.7		**96**	
4.75		**94**	
2.36		**84**	
1.18		**59**	
0.600		**47**	
0.425		**40**	
0.300		**33**	
0.150		**19**	
0.075		**11**	

PARTICLE SIZE DISTRIBUTION GRAPH



Remarks	Results apply to the sample/s as received.

Accredited for compliance with ISO/IEC 17025 – Testing

NATA

Accreditation Number: 1986
Corporate Site Number: 5022

Approved Signatory: Kamil Wisniewski
Form ID: W9Rep Rev 3

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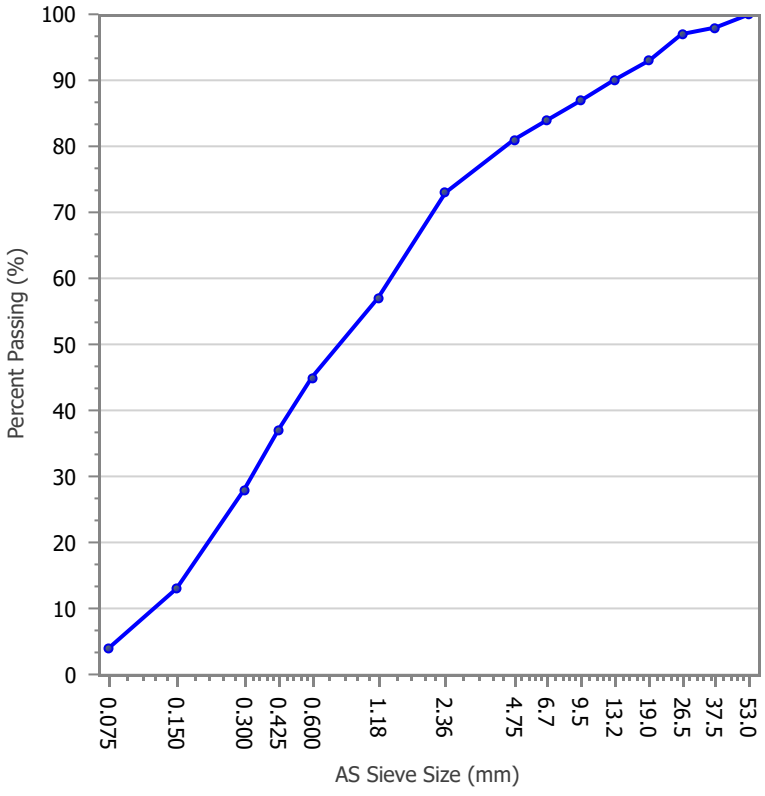
PARTICLE SIZE DISTRIBUTION REPORT

Client:	Trilab Pty Ltd	Report Number:	5022/R/26-981-1
Client Address:	2 Kimmer Road, Queens Park	Project Number:	5022/P/26-12
Project:	Tailex Pty Ltd - Perliminary Site Investigation Mt Celia HLP	Lot Number:	TP11-S2
Location:	Mount Celia	Internal Test Request:	5022/T/26-180
Supplied To:	Trilab Pty Ltd	Client Reference/s:	LGI002
Area Description:	Mt Celia HLP	Report Date / Page:	17/02/2026 Page 1 of 1

Test Procedures:	AS1289.3.6.1, AS1289.1.1			
Sample Number	5022/S/26-1029	Test Pit No.		TP11
Client Reference	P25120043	Depth	m	2.00
Sampling Method	Tested As Received			Gravel
Sampled By	Client Sampled			
Date Sampled/Tested	5/12/2025 / 9/02/2026	Material Source		-
Prep / Drying Method	n/a	Material Type		-
Prep > 53mm (%)	-	Specification		-

AS Sieve (mm)	Specification Minimum (%)	**Percent Passing (%)**	Specification Maximum (%)
53.0		**100**	
37.5		**98**	
26.5		**97**	
19.0		**93**	
13.2		**90**	
9.5		**87**	
6.7		**84**	
4.75		**81**	
2.36		**73**	
1.18		**57**	
0.600		**45**	
0.425		**37**	
0.300		**28**	
0.150		**13**	
0.075		**4**	

PARTICLE SIZE DISTRIBUTION GRAPH



Remarks	Results apply to the sample/s as received.

Accredited for compliance with ISO/IEC 17025 – Testing

NATA

Accreditation Number: 1986
Corporate Site Number: 5022

Approved Signatory: Kamil Wisniewski
Form ID: W9Rep Rev 3

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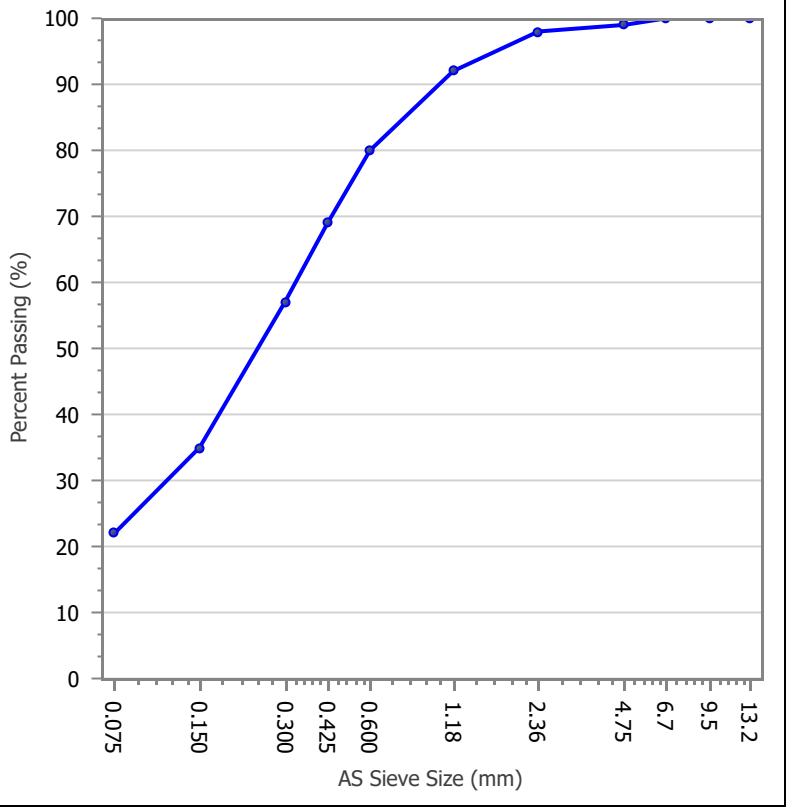
PARTICLE SIZE DISTRIBUTION REPORT

Client:	Trilab Pty Ltd	Report Number:	5022/R/26-817-1
Client Address:	2 Kimmer Road, Queens Park	Project Number:	5022/P/26-12
Project:	Tailex Pty Ltd - Perliminary Site Investigation Mt Celia HLP	Lot Number:	TP12-S1
Location:	Mount Celia	Internal Test Request:	5022/T/26-180
Supplied To:	Trilab Pty Ltd	Client Reference/s:	LGI002
Area Description:	Mt Celia HLP	Report Date / Page:	11/02/2026 Page 1 of 1

Test Procedures:	AS1289.3.6.1, AS1289.1.1			
Sample Number	5022/S/26-1030	Test Pit No.		TP12
Client Reference	P25120044	Depth	m	0.30-1.00
Sampling Method	Tested As Received			Gravel
Sampled By	Client Sampled			
Date Sampled/Tested	5/12/2025 / 4/02/2026	Material Source	-	
Prep / Drying Method	n/a	Material Type	-	
Prep > 53mm (%)	-	Specification	-	

AS Sieve (mm)	Specification Minimum (%)	**Percent Passing (%)**	Specification Maximum (%)
13.2		**100**	
9.5		**100**	
6.7		**100**	
4.75		**99**	
2.36		**98**	
1.18		**92**	
0.600		**80**	
0.425		**69**	
0.300		**57**	
0.150		**35**	
0.075		**22**	

PARTICLE SIZE DISTRIBUTION GRAPH



Remarks	Results apply to the sample/s as received.

Accredited for compliance with ISO/IEC 17025 – Testing

NATA

Accreditation Number: 1986
Corporate Site Number: 5022

Approved Signatory: Kamil Wisniewski
Form ID: W9Rep Rev 3

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PARTICLE SIZE DISTRIBUTION REPORT

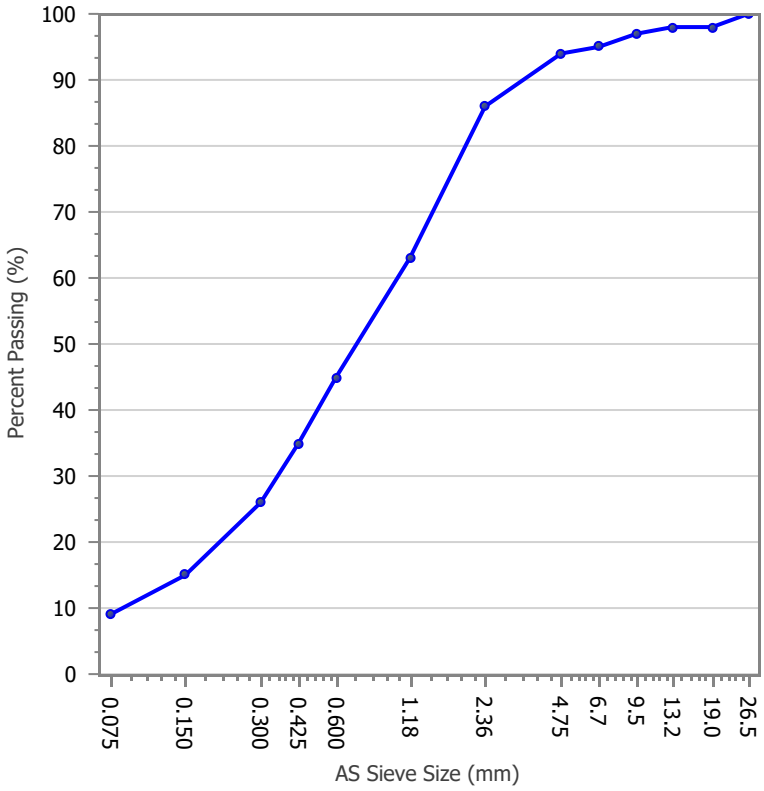
Client:	Trilab Pty Ltd	Report Number:	5022/R/26-906-1
Client Address:	2 Kimmer Road, Queens Park	Project Number:	5022/P/26-12
Project:	Tailex Pty Ltd - Perliminary Site Investigation Mt Celia HLP	Lot Number:	TP12-S2
Location:	Mount Celia	Internal Test Request:	5022/T/26-180
Supplied To:	Trilab Pty Ltd	Client Reference/s:	LGI002
Area Description:	Mt Celia HLP	Report Date / Page:	16/02/2026 Page 1 of 1

Test Procedures: AS1289.3.6.1, AS1289.1.1, AS1726 (not covered by endorsement)

Sample Number	5022/S/26-1031	Sample Location	
Client Reference	P25120045	Test Pit No.	TP12
Sampling Method	Tested As Received	Depth m	1.00-1.50
Sampled By	Client Sampled		Gravel
Date Sampled/Tested	5/12/2025 / 9/02/2026		
Material Source	-	Material Type	-

AS Sieve (mm)	Specification Minimum (%)	**Percent Passing (%)**	Specification Maximum (%)
26.5		**100**	
19.0		**98**	
13.2		**98**	
9.5		**97**	
6.7		**95**	
4.75		**94**	
2.36		**86**	
1.18		**63**	
0.600		**45**	
0.425		**35**	
0.300		**26**	
0.150		**15**	
0.075		**9**	
Grading Result Analysis			
0.075/0.425 Ratio		**0.26**	
Coef of Uniformity		**12.3**	
Coef of Curvature		**1.3**	

PARTICLE SIZE DISTRIBUTION GRAPH



Remarks: Results apply to the sample/s as received.

Accredited for compliance with ISO/IEC 17025 – Testing

NATA

Accreditation Number: 1986
Corporate Site Number: 5022

Approved Signatory: Kamil Wisniewski
Form ID: W9UCCCRep Rev 1

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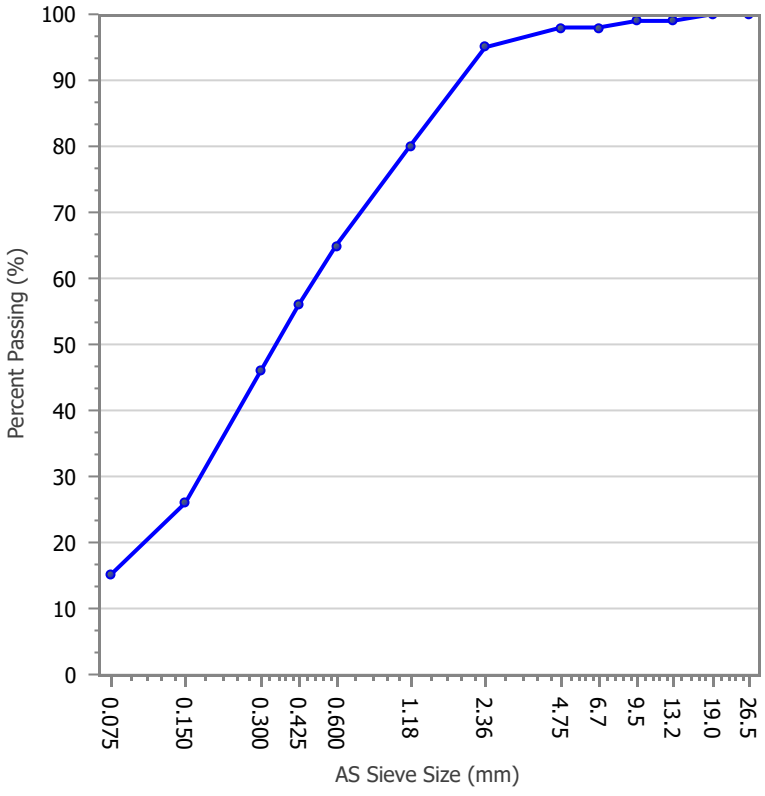
PARTICLE SIZE DISTRIBUTION REPORT

Client:	Trilab Pty Ltd	Report Number:	5022/R/26-819-1
Client Address:	2 Kimmer Road, Queens Park	Project Number:	5022/P/26-12
Project:	Tailex Pty Ltd - Perliminary Site Investigation Mt Celia HLP	Lot Number:	TP13-S1
Location:	Mount Celia	Internal Test Request:	5022/T/26-180
Supplied To:	Trilab Pty Ltd	Client Reference/s:	LGI002
Area Description:	Mt Celia HLP	Report Date / Page:	11/02/2026 Page 1 of 1

Test Procedures:	AS1289.3.6.1			
Sample Number	5022/S/26-1032	Test Pit No.		TP13
Client Reference	P25120046	Depth	m	2.00
Sampling Method	Tested As Received			Gravel
Sampled By	Client Sampled			
Date Sampled/Tested	5/12/2025 / 4/02/2026	Material Source		-
Prep / Drying Method	n/a	Material Type		-
Prep > 53mm (%)	-	Specification		-

AS Sieve (mm)	Specification Minimum (%)	**Percent Passing (%)**	Specification Maximum (%)
26.5		**100**	
19.0		**100**	
13.2		**99**	
9.5		**99**	
6.7		**98**	
4.75		**98**	
2.36		**95**	
1.18		**80**	
0.600		**65**	
0.425		**56**	
0.300		**46**	
0.150		**26**	
0.075		**15**	

PARTICLE SIZE DISTRIBUTION GRAPH



Remarks	Results apply to the sample/s as received.

Accredited for compliance with ISO/IEC 17025 – Testing

NATA

Accreditation Number: 1986
Corporate Site Number: 5022

Approved Signatory: Kamil Wisniewski
Form ID: W9Rep Rev 3

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Email: Bunbury@constructionsciences.net

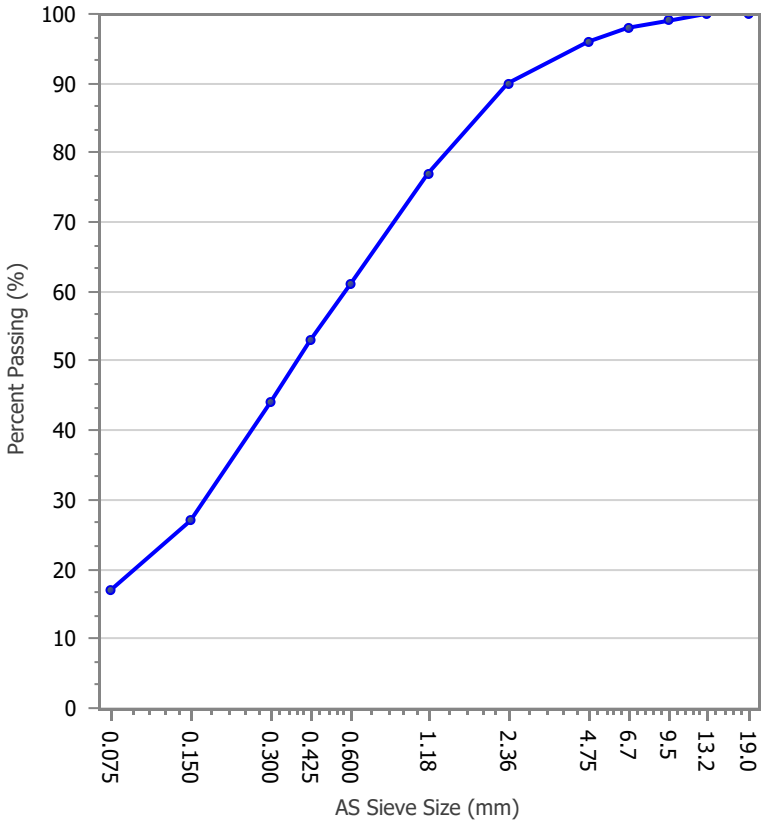
PARTICLE SIZE DISTRIBUTION REPORT

Client:	Trilab Pty Ltd	Report Number:	5022/R/26-908-1
Client Address:	2 Kimmer Road, Queens Park	Project Number:	5022/P/26-12
Project:	Tailex Pty Ltd - Perliminary Site Investigation Mt Celia HLP	Lot Number:	TP14-S1
Location:	Mount Celia	Internal Test Request:	5022/T/26-180
Supplied To:	Trilab Pty Ltd	Client Reference/s:	LGI002
Area Description:	Mt Celia HLP	Report Date / Page:	16/02/2026 Page 1 of 1

Test Procedures:	AS1289.3.6.1, AS1726 (Calculations based on this method are not covered by NATA endorsement)			
Sample Number	5022/S/26-1033	Test Pit No.		TP14
Client Reference	P25120047	Depth	m	1.50
Sampling Method	Tested As Received			Gravel
Sampled By	Client Sampled			
Date Sampled/Tested	5/12/2025 / 9/02/2026	Material Source	-	

AS Sieve (mm)	Specification Minimum (%)	**Percent Passing (%)**	Specification Maximum (%)
19.0		**100**	
13.2		**100**	
9.5		**99**	
6.7		**98**	
4.75		**96**	
2.36		**90**	
1.18		**77**	
0.600		**61**	
0.425		**53**	
0.300		**44**	
0.150		**27**	
0.075		**17**	
Grading Result Analysis			
0.075/0.425 Ratio		**0.31**	
0.075/2.36 Ratio		**0.18**	
D10 (mm)		**-**	
D60 (mm)		**0.58**	
UC (D60/D10)		**-**	

PARTICLE SIZE DISTRIBUTION GRAPH



Remarks	Results apply to the sample/s as received.

Accredited for compliance with ISO/IEC 17025 – Testing

NATA

Accreditation Number: 1986
Corporate Site Number: 5022

Approved Signatory: Kamil Wisniewski
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PARTICLE SIZE DISTRIBUTION TEST REPORT

Test Method: AS 1289 3.6.1, 2.1.1

Client	Tailex Pty Ltd	**Report No.**	P26020038-PSDD
		Workorder No.	20498/T/25-255
Address	16 Lynton Street Doubleview WA 6018	**Report Date**	24/02/2026
Project	Preliminary Site Investigation Mt Celia HLP		

Sample No.	P26020038
Test Date	20/02/2026
Client ID	TP17-S1
Location	TP17-Existing WD
Depth (m)	1.50
Moisture (%)	3.1
AS SIEVE SIZE (mm)	**PERCENT PASSING**
150	100
75	100
63	100
53	98
37.5	94
26.5	85
19	77
13.2	68
9.5	58
6.7	49
4.75	41
2.36	30
1.18	19
0.6	12
0.425	10
0.3	8
0.212	6
0.15	4
0.075	2

NOTES/REMARKS:

Sample/s supplied by the client

Accredited for compliance with ISO/IEC 17025 - Testing

*NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration, inspection, proficiency testing scheme providers and reference materials producers reports and certificates

Tested at Gosnells Laboratory

Approved Signatory

Ryan Groves

Ryan Groves

Laboratory No.9926

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PARTICLE SIZE DISTRIBUTION TEST REPORT

Test Method: AS 1289 3.6.1, 2.1.1

Client	Tailex Pty Ltd	**Report No.**	P26020039-PSDD
		Workorder No.	20498/T/25-255
Address	16 Lynton Street Doubleview WA 6018	**Report Date**	24/02/2026
Project	Preliminary Site Investigation Mt Celia HLP		

Sample No.	P26020039
Test Date	20/02/2026
Client ID	WD-S1
Location	WD_PBM
Depth (m)	0.00-0.30
Moisture (%)	0.4
AS SIEVE SIZE (mm)	**PERCENT PASSING**
150	100
75	100
63	100
53	100
37.5	100
26.5	100
19	100
13.2	98
9.5	93
6.7	86
4.75	77
2.36	63
1.18	42
0.6	25
0.425	19
0.3	13
0.212	9
0.15	6
0.075	1

NOTES/REMARKS:

Sample/s supplied by the client

REP011 |20 Feburary 2026

Accredited for compliance with ISO/IEC 17025 - Testing

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Tested at Gosnells Laboratory

Approved Signatory

Ryan Groves

Ryan Groves

Laboratory No.9926

Document ID: 5ecae6ac737e5a4e30fadf3de82fb1a1c4b932d724357f0e4a6303bdbb81c627

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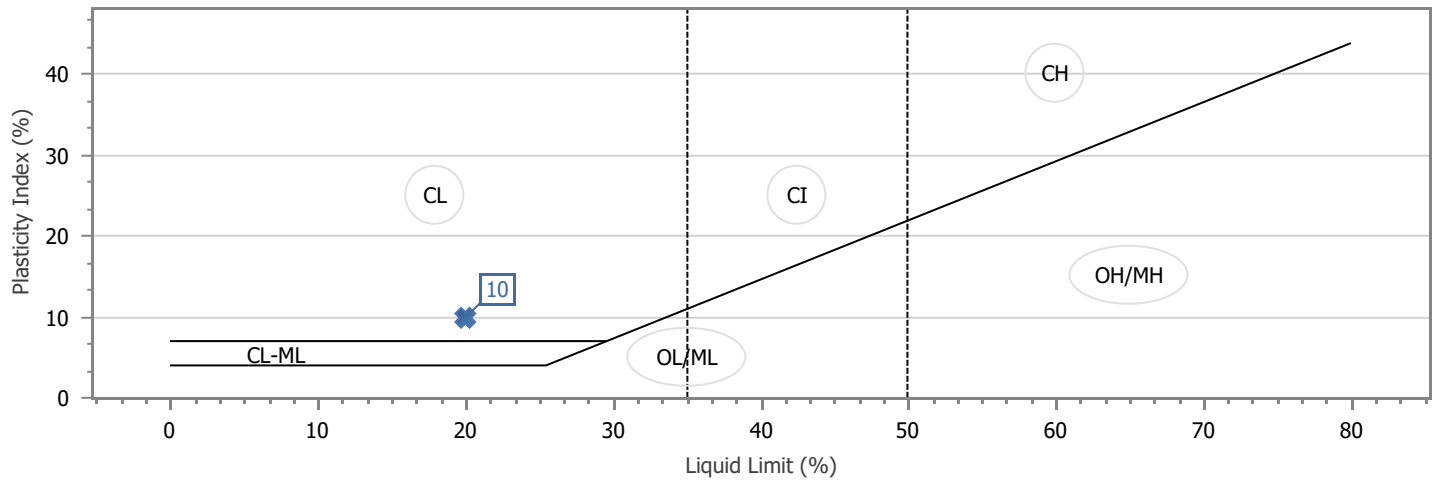
ATTERBERG LIMITS REPORT

Client:	Trilab Pty Ltd	Report Number:	5022/R/26-808-1
Client Address:	2 Kimmer Road, Queens Park	Project Number:	5022/P/26-12
Project:	Tailex Pty Ltd - Perliminary Site Investigation Mt Celia HLP	Lot Number:	TP5-S1
Location:	Mount Celia	Internal Test Request:	5022/T/26-180
Supplied To:	Trilab Pty Ltd	Client Reference/s:	LGI002
Area Description:	Mt Celia HLP	Report Date / Page:	11/02/2026 Page 1 of 1

Test Procedures:	AS1289.3.1.1, AS1289.3.3.1, AS1289.3.2.1, AS1289.3.4.1, AS1289.2.1.1, AS1726 (Tables 9/10)		
Sample Number	5022/S/26-1025	Sample Location	
Sampling Method	Tested As Received	Test Pit No.	TP5
Date Sampled	5/12/2025	Depth m	0.00-0.85
Sampled By	Client Sampled		Gravel
Date Tested	6/02/2026		
Drying / Prep Method	Oven Dried / Dry Sieved	Material Source	-
LL Water Type	Other	Material Type	-
LL Device Type	Cassagrande	Specification	-
Client Reference	P25120039	Prep Mat > 53mm (%)	-
Material Description	CL Sandy Clay, low plasticity, trace of gravel		

Atterberg Limit	Specification Minimum	Test Result	Specification Maximum
Liquid Limit (%)		**20**	
Plastic Limit (%)		**10**	
Plasticity Index (%)		**10**	
Linear Shrinkage (%)		**3.0**	
Linear Shrinkage Mould Length / Defects:	Mould Length: 251.0mm / -		

Atterberg Limits 'A-Line' Graph



Remarks	Results apply to the sample/s as received.

Accredited for compliance with ISO/IEC 17025 – Testing

NATA

Accreditation Number: 1986
Corporate Site Number: 5022

Approved Signatory: Kamil Wisniewski
Form ID: W11Rep Rev 2

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ATTERBERG LIMITS REPORT

Client:	Trilab Pty Ltd	Report Number:	5022/R/26-810-1
Client Address:	2 Kimmer Road, Queens Park	Project Number:	5022/P/26-12
Project:	Tailex Pty Ltd - Perliminary Site Investigation Mt Celia HLP	Lot Number:	TP10-S1
Location:	Mount Celia	Internal Test Request:	5022/T/26-180
Supplied To:	Trilab Pty Ltd	Client Reference/s:	LGI002
Area Description:	Mt Celia HLP	Report Date / Page:	11/02/2026 Page 1 of 1

Test Procedures:	AS1289.3.1.1, AS1289.3.3.1, AS1289.3.2.1, AS1289.3.4.1, AS1726 (Tables 9/10)		
Sample Number	5022/S/26-1026	Sample Location	
Sampling Method	Tested As Received	Test Pit No.	TP10
Date Sampled	5/12/2025	Depth m	1.50
Sampled By	Client Sampled		Gravel
Date Tested	6/02/2026		
Drying / Prep Method	Oven Dried / Dry Sieved	Material Source	-
LL Water Type	Other	Material Type	-
LL Device Type	Cassagrande	Specification	-
Client Reference	P25120040	Prep Mat > 53mm (%)	-
Material Description	Brown Silty Sand, trace of gravel		

Atterberg Limit	Specification Minimum	Test Result	Specification Maximum
Liquid Limit (%)		**Can't be determined**	
Plastic Limit (%)		**Can't be determined**	
Plasticity Index (%)		**Non Plastic**	
Linear Shrinkage (%)		**0.0**	
Linear Shrinkage Observations:	-		

Remarks	Results apply to the sample/s as received.

Accredited for compliance with ISO/IEC 17025 – Testing

NATA

Accreditation Number: 1986
Corporate Site Number: 5022

Approved Signatory: Kamil Wisniewski
Form ID: W11Rep Rev 2

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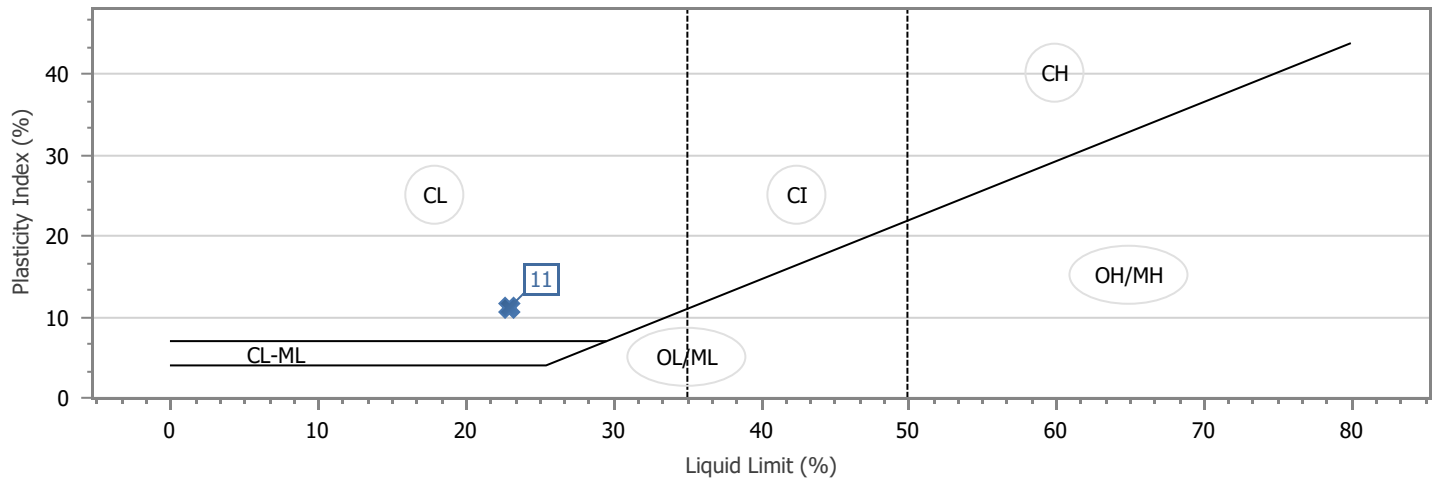
ATTERBERG LIMITS REPORT

Client:	Trilab Pty Ltd	Report Number:	5022/R/26-813-1
Client Address:	2 Kimmer Road, Queens Park	Project Number:	5022/P/26-12
Project:	Tailex Pty Ltd - Perliminary Site Investigation Mt Celia HLP	Lot Number:	TP10-S2
Location:	Mount Celia	Internal Test Request:	5022/T/26-180
Supplied To:	Trilab Pty Ltd	Client Reference/s:	LGI002
Area Description:	Mt Celia HLP	Report Date / Page:	11/02/2026 Page 1 of 1

Test Procedures:	AS1289.3.1.1, AS1289.3.3.1, AS1289.3.2.1, AS1289.3.4.1, AS1289.2.1.1, AS1726 (Tables 9/10)		
Sample Number	5022/S/26-1027	Sample Location	
Sampling Method	Tested As Received	Test Pit No.	TP10
Date Sampled	5/12/2025	Depth m	3.00
Sampled By	Client Sampled		Gravel
Date Tested	6/02/2026		
Drying / Prep Method	Oven Dried / Dry Sieved	Material Source	-
LL Water Type	Other	Material Type	-
LL Device Type	Cassagrande	Specification	-
Client Reference	P25120041	Prep Mat > 53mm (%)	-
Material Description	SC Clayey Sand, low plasticity, trace of gravel		

Atterberg Limit	Specification Minimum	Test Result	Specification Maximum
Liquid Limit (%)		**23**	
Plastic Limit (%)		**12**	
Plasticity Index (%)		**11**	
Linear Shrinkage (%)		**3.0**	
Linear Shrinkage Observations:	-		

Atterberg Limits 'A-Line' Graph



Remarks	Results apply to the sample/s as received.

Accredited for compliance with ISO/IEC 17025 – Testing

NATA

Accreditation Number: 1986
Corporate Site Number: 5022

Approved Signatory: Kamil Wisniewski
Form ID: W11Rep Rev 2

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ATTERBERG LIMITS REPORT

Client:	Trilab Pty Ltd	Report Number:	5022/R/26-816-1
Client Address:	2 Kimmer Road, Queens Park	Project Number:	5022/P/26-12
Project:	Tailex Pty Ltd - Perliminary Site Investigation Mt Celia HLP	Lot Number:	TP11-S1
Location:	Mount Celia	Internal Test Request:	5022/T/26-180
Supplied To:	Trilab Pty Ltd	Client Reference/s:	LGI002
Area Description:	Mt Celia HLP	Report Date / Page:	11/02/2026 Page 1 of 1

Test Procedures:	AS1289.3.1.1, AS1289.3.3.1, AS1289.3.2.1, AS1289.3.4.1, AS1726 (Tables 9/10)		
Sample Number	5022/S/26-1028	Sample Location	
Sampling Method	Tested As Received	Test Pit No.	TP11
Date Sampled	5/12/2025	Depth m	1.00
Sampled By	Client Sampled		Gravel
Date Tested	6/02/2026		
Drying / Prep Method	Oven Dried / Dry Sieved	Material Source	-
LL Water Type	Other	Material Type	-
LL Device Type	Cassagrande	Specification	-
Client Reference	P25120042	Prep Mat > 53mm (%)	-
Material Description	Brown SAND, with silt, trace of gravel		

Atterberg Limit	Specification Minimum	Test Result	Specification Maximum
Liquid Limit (%)		**Can't be determined**	
Plastic Limit (%)		**Can't be determined**	
Plasticity Index (%)		**Non Plastic**	
Linear Shrinkage (%)		**0.0**	
Linear Shrinkage Observations:	-		

Remarks	Results apply to the sample/s as received.

Accredited for compliance with ISO/IEC 17025 – Testing

NATA

Accreditation Number: 1986
Corporate Site Number: 5022

Approved Signatory: Kamil Wisniewski
Form ID: W11Rep Rev 2

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ATTERBERG LIMITS REPORT

Client:	Trilab Pty Ltd	Report Number:	5022/R/26-867-1
Client Address:	2 Kimmer Road, Queens Park	Project Number:	5022/P/26-12
Project:	Tailex Pty Ltd - Perliminary Site Investigation Mt Celia HLP	Lot Number:	TP11-S2
Location:	Mount Celia	Internal Test Request:	5022/T/26-180
Supplied To:	Trilab Pty Ltd	Client Reference/s:	LGI002
Area Description:	Mt Celia HLP	Report Date / Page:	12/02/2026 Page 1 of 1

Test Procedures:	AS1289.3.1.1, AS1289.3.3.1, AS1289.3.2.1, AS1289.3.4.1		
Sample Number	5022/S/26-1029	Sample Location	
Sampling Method	Tested As Received	Test Pit No.	TP11
Date Sampled	5/12/2025	Depth m	2.00
Sampled By	Client Sampled		Gravel
Date Tested	10/02/2026		
Drying / Prep Method	Oven Dried / Dry Sieved	Material Source	-
LL Water Type	Other	Material Type	-
LL Device Type	Cassagrande	Specification	-
Client Reference	P25120043	Prep Mat > 53mm (%)	-
Material Description	Brown GRAVEL		

Atterberg Limit	Specification Minimum	Test Result	Specification Maximum
Liquid Limit (%)		**Can't be determined**	
Plastic Limit (%)		**Can't be determined**	
Plasticity Index (%)		**Non Plastic**	
Linear Shrinkage (%)		**0.0**	
Linear Shrinkage Observations:	-		

Remarks	Results apply to the sample/s as received.

Accredited for compliance with ISO/IEC 17025 – Testing

NATA

Accreditation Number: 1986
Corporate Site Number: 5022

Approved Signatory: Hermanus Coetzee
Form ID: W11Rep Rev 2

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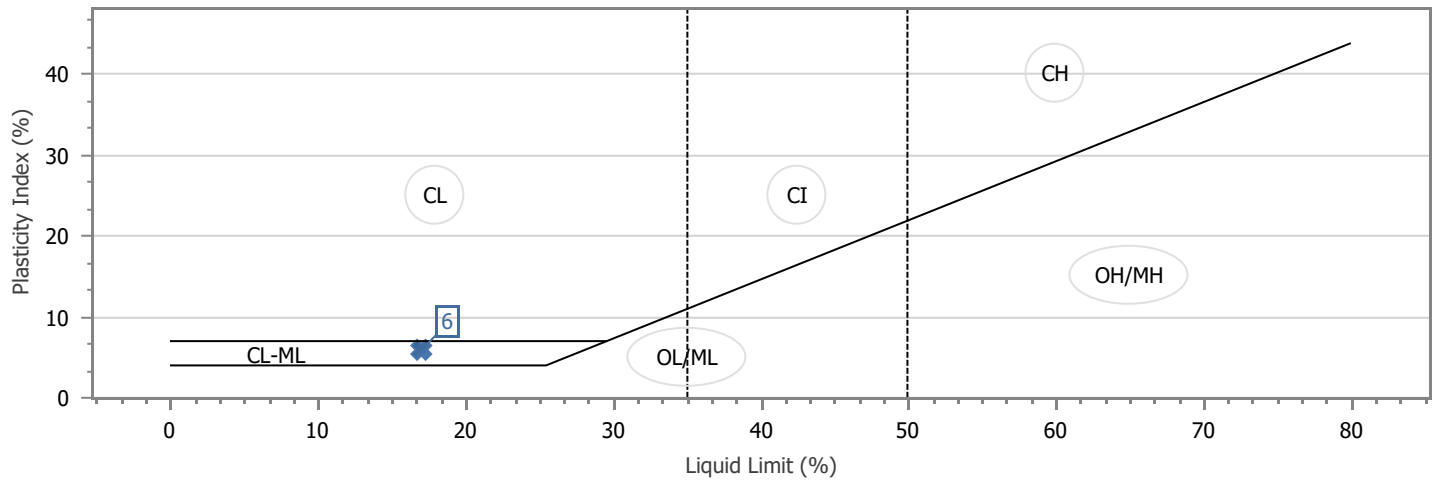
ATTERBERG LIMITS REPORT

Client:	Trilab Pty Ltd	Report Number:	5022/R/26-818-1
Client Address:	2 Kimmer Road, Queens Park	Project Number:	5022/P/26-12
Project:	Tailex Pty Ltd - Perliminary Site Investigation Mt Celia HLP	Lot Number:	TP12-S1
Location:	Mount Celia	Internal Test Request:	5022/T/26-180
Supplied To:	Trilab Pty Ltd	Client Reference/s:	LGI002
Area Description:	Mt Celia HLP	Report Date / Page:	11/02/2026 Page 1 of 1

Test Procedures:	AS1289.3.1.1, AS1289.3.3.1, AS1289.3.2.1, AS1289.3.4.1, AS1289.2.1.1, AS1726 (Tables 9/10)		
Sample Number	5022/S/26-1030	Sample Location	
Sampling Method	Tested As Received	Test Pit No.	TP12
Date Sampled	5/12/2025	Depth m	0.30-1.00
Sampled By	Client Sampled		Gravel
Date Tested	9/02/2026		
Drying / Prep Method	Oven Dried / Dry Sieved	Material Source	-
LL Water Type	Other	Material Type	-
LL Device Type	Cassagrande	Specification	-
Client Reference	P25120044	Prep Mat > 53mm (%)	-
Material Description	SC Clayey Sand, low plasticity, trace of gravel		

Atterberg Limit	Specification Minimum	Test Result	Specification Maximum
Liquid Limit (%)		**17**	
Plastic Limit (%)		**11**	
Plasticity Index (%)		**6**	
Linear Shrinkage (%)		**1.5**	
Linear Shrinkage Observations:	-		

Atterberg Limits 'A-Line' Graph



Remarks	Results apply to the sample/s as received.

Accredited for compliance with ISO/IEC 17025 – Testing

NATA

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Corporate Site Number: 5022

Approved Signatory: Kamil Wisniewski
Form ID: W11Rep Rev 2

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ATTERBERG LIMITS REPORT

Client:	Trilab Pty Ltd	Report Number:	5022/R/26-907-1
Client Address:	2 Kimmer Road, Queens Park	Project Number:	5022/P/26-12
Project:	Tailex Pty Ltd - Perliminary Site Investigation Mt Celia HLP	Lot Number:	TP12-S2
Location:	Mount Celia	Internal Test Request:	5022/T/26-180
Supplied To:	Trilab Pty Ltd	Client Reference/s:	LGI002
Area Description:	Mt Celia HLP	Report Date / Page:	16/02/2026 Page 1 of 1

Test Procedures:	AS1289.3.1.1, AS1289.3.3.1, AS1289.3.2.1, AS1289.3.4.1, AS1726 (Tables 9/10)		
Sample Number	5022/S/26-1031	Sample Location	
Sampling Method	Tested As Received	Test Pit No.	TP12
Date Sampled	5/12/2025	Depth m	1.00-1.50
Sampled By	Client Sampled		Gravel
Date Tested	10/02/2026		
Drying / Prep Method	Oven Dried / Dry Sieved	Material Source	-
LL Water Type	Other	Material Type	-
LL Device Type	Cassagrande	Specification	-
Client Reference	P25120045	Prep Mat > 53mm (%)	-
Material Description	Brown SAND with silt and gravel		

Atterberg Limit	Specification Minimum	Test Result	Specification Maximum
Liquid Limit (%)		**Can't be determined**	
Plastic Limit (%)		**Can't be determined**	
Plasticity Index (%)		**Non Plastic**	
Linear Shrinkage (%)		**0.0**	
Linear Shrinkage Observations:	-		

Remarks	Results apply to the sample/s as received.

Accredited for compliance with ISO/IEC 17025 – Testing

NATA

Accreditation Number: 1986
Corporate Site Number: 5022

Approved Signatory: Kamil Wisniewski
Form ID: W11Rep Rev 2

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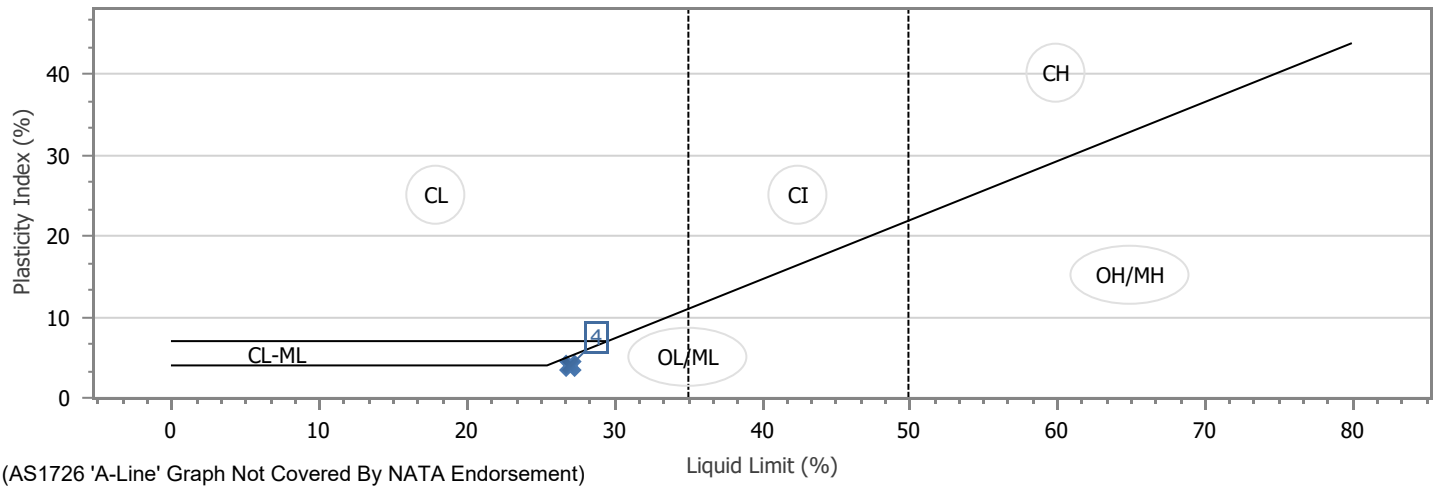
ATTERBERG LIMITS REPORT

Client:	Trilab Pty Ltd	Report Number:	5022/R/26-866-1
Client Address:	2 Kimmer Road, Queens Park	Project Number:	5022/P/26-12
Project:	Tailex Pty Ltd - Perliminary Site Investigation Mt Celia HLP	Lot Number:	TP17_S1
Location:	Mount Celia	Internal Test Request:	5022/T/26-180
Supplied To:	Trilab Pty Ltd	Client Reference/s:	LGI002
Area Description:	Mt Celia HLP	Report Date / Page:	12/02/2026 Page 1 of 1

Test Procedures:	AS1289.3.1.1, AS1289.3.3.1, AS1289.3.2.1, AS1289.3.4.1, AS1289.2.1.1		
Sample Number	5022/S/26-1034	Sample Location	
Sampling Method	Tested As Received	Test Pit No.	TP17-Existing WD
Date Sampled	5/12/2025	Depth m	1.50
Sampled By	Client Sampled		Gravel
Date Tested	11/02/2026		
Drying / Prep Method	Oven Dried / Dry Sieved	Material Source	-
LL Water Type	Other	Material Type	-
LL Device Type	Cassagrande	Specification	-
Client Reference	P26020038	Prep Mat > 53mm (%)	-
Material Description	Pale Brown Chockey Clayey GRAVEL		

Atterberg Limit	Specification Minimum	Test Result	Specification Maximum
Liquid Limit (%)		**27**	
Plastic Limit (%)		**23**	
Plasticity Index (%)		**4**	
Linear Shrinkage (%)		**1.5**	
Linear Shrinkage Observations:	-		

Atterberg Limits 'A-Line' Graph



(AS1726 'A-Line' Graph Not Covered By NATA Endorsement)

Remarks	Results apply to the sample/s as received.

Accredited for compliance with ISO/IEC 17025 – Testing

Accreditation Number: 1986
Corporate Site Number: 5022

Approved Signatory: Hermanus Coetzee
Form ID: W11Rep Rev 2

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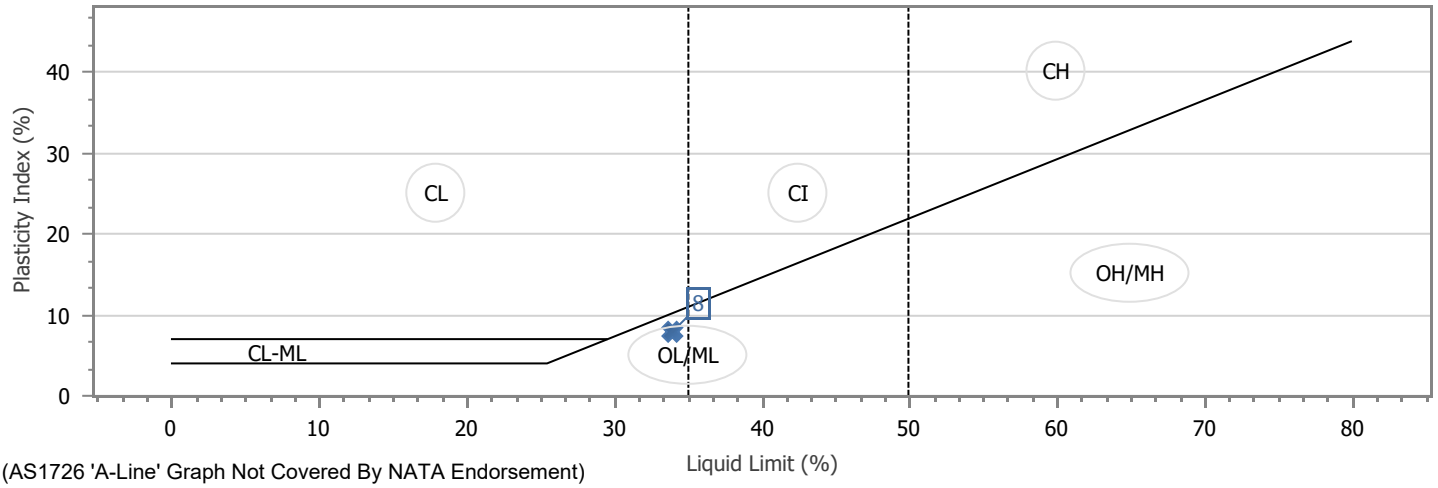
ATTERBERG LIMITS REPORT

Client:	Trilab Pty Ltd	Report Number:	5022/R/26-865-1
Client Address:	2 Kimmer Road, Queens Park	Project Number:	5022/P/26-12
Project:	Tailex Pty Ltd - Perliminary Site Investigation Mt Celia HLP	Lot Number:	WD_S1
Location:	Mount Celia	Internal Test Request:	5022/T/26-180
Supplied To:	Trilab Pty Ltd	Client Reference/s:	LGI002
Area Description:	Mt Celia HLP	Report Date / Page:	12/02/2026 Page 1 of 1

Test Procedures:	AS1289.3.1.1, AS1289.3.3.1, AS1289.3.2.1, AS1289.3.4.1, AS1289.2.1.1		
Sample Number	5022/S/26-1035	Sample Location	
Sampling Method	Tested As Received	Test Pit No.	WD_PBM
Date Sampled	5/12/2025	Depth m	0.00-0.30
Sampled By	Client Sampled		Gravel
Date Tested	11/02/2026		
Drying / Prep Method	Oven Dried / Dry Sieved	Material Source	-
LL Water Type	Other	Material Type	-
LL Device Type	Cassagrande	Specification	-
Client Reference	P26020039	Prep Mat > 53mm (%)	-
Material Description	GRAVELL		

Atterberg Limit	Specification Minimum	Test Result	Specification Maximum
Liquid Limit (%)		**34**	
Plastic Limit (%)		**26**	
Plasticity Index (%)		**8**	
Linear Shrinkage (%)		**2.5**	
Linear Shrinkage Mould Length / Defects:	Mould Length: 248.0mm / -		

Atterberg Limits 'A-Line' Graph



(AS1726 'A-Line' Graph Not Covered By NATA Endorsement)

Remarks	Results apply to the sample/s as received.

Accredited for compliance with ISO/IEC 17025 – Testing

Accreditation Number: 1986
Corporate Site Number: 5022

Approved Signatory: Hermanus Coetzee
Form ID: W11Rep Rev 2

Perth
Lot 1, Cockram Road
Martin WA 6110
Ph: +61 7 3265 5656

SOIL PARTICLE DENSITY TEST REPORT

Test Method: AS 1289 3.5.1

Client	Tailex Pty Ltd	**Report No.**	P25120038-SPD
		Workorder No.	20498/T/25-255
Address	1 Manning Street, Scarborough, WA 6019	**Report Date**	17/02/2026
Project	LGI002 - Preliminary Site Investigation Mt Celia HLP		

Sample No.	P25120038
Test Date	12/02/2026
Client ID	TP4 -S1
Location	TP4
Depth (m)	0.00-0.40
Description	Soil Sample
Soil Particle Density (g/cm³)	2.44

NOTES/REMARKS:

Sample/s supplied by the client

Accredited for compliance with ISO/IEC 17025 - Testing

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Tested at Trilab Perth Laboratory

Approved Signatory

Ryan Groves

Laboratory No. 9926

Perth
Lot 1, Cockram Road
Martin WA 6110
Ph: +61 7 3265 5656

SOIL PARTICLE DENSITY TEST REPORT

Test Method: AS 1289 3.5.1

Client	Tailex Pty Ltd	**Report No.**	P25120039-SPD
		Workorder No.	20498/T/25-255
Address	1 Manning Street, Scarborough, WA 6019	**Report Date**	17/02/2026
Project	LGI002 - Preliminary Site Investigation Mt Celia HLP		

Sample No.	P25120039
Test Date	12/02/2026
Client ID	TP5 - S1
Location	TP5
Depth (m)	0.00-0.85
Description	Soil Sample
Soil Particle Density (g/cm³)	2.33

NOTES/REMARKS:

Sample/s supplied by the client

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Approved Signatory

Ryan Groves

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SOIL PARTICLE DENSITY TEST REPORT

Test Method: AS 1289 3.5.1

Client	Tailex Pty Ltd	**Report No.**	P25120040-SPD
		Workorder No.	20498/T/25-255
Address	1 Manning Street, Scarborough, WA 6019	**Report Date**	17/02/2026
Project	LGI002 - Preliminary Site Investigation Mt Celia HLP		

Sample No.	P25120040
Test Date	12/02/2026
Client ID	TP10 - S1
Location	TP10
Depth (m)	1.5
Description	Soil Sample
Soil Particle Density (g/cm³)	2.37

NOTES/REMARKS:

Sample/s supplied by the client

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Tested at Trilab Perth Laboratory

Approved Signatory

Ryan Groves

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SOIL PARTICLE DENSITY TEST REPORT

Test Method: AS 1289 3.5.1

Client	Tailex Pty Ltd	**Report No.**	P25120041-SPD
		Workorder No.	20498/T/25-255
Address	1 Manning Street, Scarborough, WA 6019	**Report Date**	17/02/2026
Project	LGI002 - Preliminary Site Investigation Mt Celia HLP		

Sample No.	P25120041
Test Date	12/02/2026
Client ID	TP10 - S2
Location	TP10
Depth (m)	3.00
Description	Soil Sample
Soil Particle Density (g/cm³)	2.39

NOTES/REMARKS:

Sample/s supplied by the client

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Tested at Trilab Perth Laboratory

Approved Signatory

Ryan Groves

Laboratory No. 9926

Perth
Lot 1, Cockram Road
Martin WA 6110
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SOIL PARTICLE DENSITY TEST REPORT

Test Method: AS 1289 3.5.1

Client	Tailex Pty Ltd	**Report No.**	P25120042-SPD
		Workorder No.	20498/T/25-255
Address	1 Manning Street, Scarborough, WA 6019	**Report Date**	17/02/2026
Project	LGI002 - Preliminary Site Investigation Mt Celia HLP		

Sample No.	P25120042
Test Date	12/02/2026
Client ID	TP11 - S1
Location	TP11
Depth (m)	1.00
Description	Soil Sample
Soil Particle Density (g/cm³)	2.43

NOTES/REMARKS:

Sample/s supplied by the client

Accredited for compliance with ISO/IEC 17025 - Testing

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Tested at Trilab Perth Laboratory

Approved Signatory

Ryan Groves

Laboratory No. 9926

Perth
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Martin WA 6110
Ph: +61 7 3265 5656

SOIL PARTICLE DENSITY TEST REPORT

Test Method: AS 1289 3.5.1

Client	Tailex Pty Ltd	**Report No.**	P25120043-SPD
		Workorder No.	20498/T/25-255
Address	1 Manning Street, Scarborough, WA 6019	**Report Date**	17/02/2026
Project	LGI002 - Preliminary Site Investigation Mt Celia HLP		

Sample No.	P25120043
Test Date	12/02/2026
Client ID	TP11 - S2
Location	TP11
Depth (m)	1.00
Description	Soil Sample
Soil Particle Density (g/cm³)	2.33

NOTES/REMARKS:

Sample/s supplied by the client

Accredited for compliance with ISO/IEC 17025 - Testing

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Tested at Trilab Perth Laboratory

Approved Signatory

Ryan Groves

Laboratory No. 9926

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Martin WA 6110
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SOIL PARTICLE DENSITY TEST REPORT

Test Method: AS 1289 3.5.1

Client	Tailex Pty Ltd	**Report No.**	P25120044-SPD
		Workorder No.	20498/T/25-255
Address	1 Manning Street, Scarborough, WA 6019	**Report Date**	17/02/2026
Project	LGI002 - Preliminary Site Investigation Mt Celia HLP		

Sample No.	P25120044
Test Date	12/02/2026
Client ID	TP12 - S1
Location	TP12
Depth (m)	0.30-1.00
Description	Soil Sample
Soil Particle Density (g/cm³)	2.44

NOTES/REMARKS:

Sample/s supplied by the client

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Tested at Trilab Perth Laboratory

Approved Signatory

Ryan Groves

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SOIL PARTICLE DENSITY TEST REPORT

Test Method: AS 1289 3.5.1

Client	Tailex Pty Ltd	**Report No.**	P25120045-SPD
		Workorder No.	20498/T/25-255
Address	1 Manning Street, Scarborough, WA 6019	**Report Date**	17/02/2026
Project	LGI002 - Preliminary Site Investigation Mt Celia HLP		

Sample No.	P25120045
Test Date	12/02/2026
Client ID	TP12 - S2
Location	TP12
Depth (m)	1.00-1.50
Description	Soil Sample
Soil Particle Density (g/cm³)	2.39

NOTES/REMARKS:

Sample/s supplied by the client

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Tested at Trilab Perth Laboratory

Approved Signatory

Ryan Groves

Laboratory No. 9926

Perth
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SOIL PARTICLE DENSITY TEST REPORT

Test Method: AS 1289 3.5.1

Client	Tailex Pty Ltd	**Report No.**	P25120046-SPD
		Workorder No.	20498/T/25-255
Address	1 Manning Street, Scarborough, WA 6019	**Report Date**	17/02/2026
Project	LGI002 - Preliminary Site Investigation Mt Celia HLP		

Sample No.	P25120046
Test Date	12/02/2026
Client ID	TP13 - S1
Location	TP13
Depth (m)	2.00
Description	Soil Sample
Soil Particle Density (g/cm³)	2.64

NOTES/REMARKS:

Sample/s supplied by the client

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Tested at Trilab Perth Laboratory

Approved Signatory

Ryan Groves

Laboratory No. 9926

Perth
Lot 1, Cockram Road
Martin WA 6110
Ph: +61 7 3265 5656

SOIL PARTICLE DENSITY TEST REPORT

Test Method: AS 1289 3.5.1

Client	Tailex Pty Ltd	**Report No.**	P25120047-SPD
		Workorder No.	20498/T/25-255
Address	1 Manning Street, Scarborough, WA 6019	**Report Date**	17/02/2026
Project	LGI002 - Preliminary Site Investigation Mt Celia HLP		

Sample No.	P25120047
Test Date	12/02/2026
Client ID	TP14 - S1
Location	TP14
Depth (m)	1.50
Description	Soil Sample
Soil Particle Density (g/cm³)	2.60

NOTES/REMARKS:

Sample/s supplied by the client

Accredited for compliance with ISO/IEC 17025 - Testing

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Tested at Trilab Perth Laboratory

Approved Signatory

Ryan Groves

Laboratory No. 9926

Construction Sciences
a kiwa company

Construction Sciences Pty Ltd
ABN: 74 128 806 735

Address:
72 McCombe Road,
Davenport WA 6230

Laboratory: Bunbury
Phone: 08 9726 2187
Fax: 08 9721 2348
Email: Bunbury@constructionsciences.net

MOISTURE DENSITY RELATIONSHIP REPORT

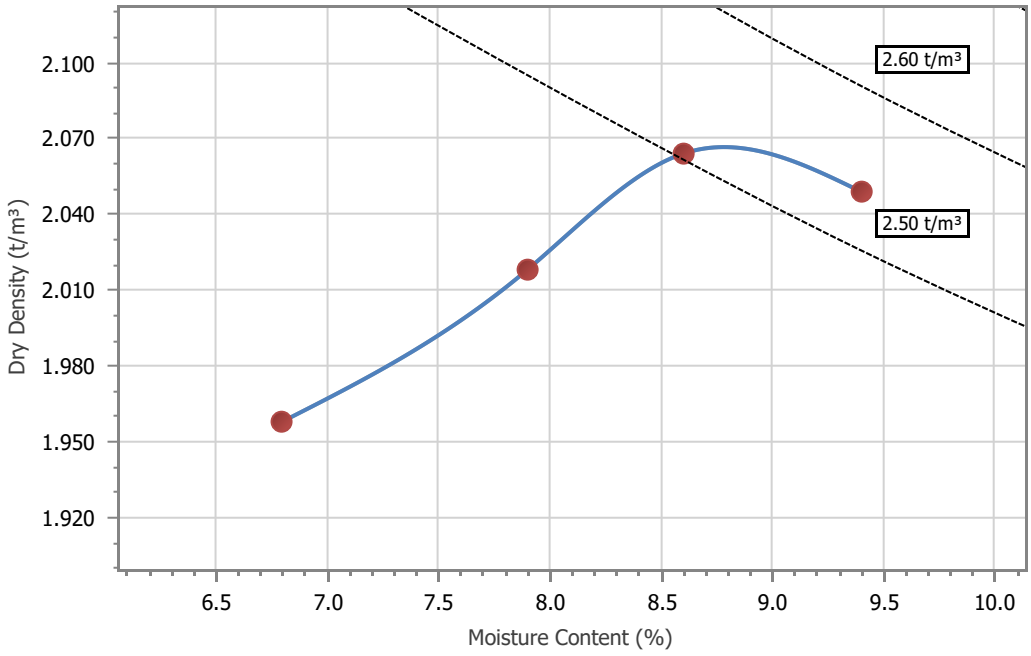
Client:	Trilab Pty Ltd	Report Number:	5022/R/26-814-1
Client Address:	2 Kimmer Road, Queens Park	Project Number:	5022/P/26-12
Project:	Tailex Pty Ltd - Perliminary Site Investigation Mt Celia HLP	Lot Number:	TP10-S2
Location:	Mount Celia	Internal Test Request:	5022/T/26-180
Supplied To:	Trilab Pty Ltd	Client Reference/s:	LGI002
Area Description:	Mt Celia HLP	Report Date / Page:	11/02/2026 Page 1 of 1

Test Procedures	AS1289.5.1.1, AS1289.2.1.1, AS1289.1.1	Test Pit No.	TP10
Sample Number	5022/S/26-1027	Depth m	3.00
Client Reference	P25120041		Gravel
Sampling Method	Tested As Received		
Sampled By	Client Sampled	Prep Material > 53mm (%)	-
Date Sampled/Tested	5/12/2025 / 4/02/2026	Compactive Effort	Standard
Material Source		Fraction Tested (mm)	< 19.0mm
Material Type		Percent Oversize (%)	10
Liquid Limit Method	Estimation	Total Curing Time (hrs)	2.0
Material Description	SC Clayey Sand, low plasticity, trace of gravel		

Moisture / Density Relationship Data

Moisture Content (%)	Dry Density (t/m³)
6.8	1.958
7.9	2.018
8.6	2.064
9.4	2.049

MOISTURE DENSITY RELATIONSHIP PLOT



Maximum Dry Density (t/m³):	**2.07**	Optimum Moisture Content (%):	**9.0**

Remarks: Results apply to the sample/s as received.

Accredited for compliance with ISO/IEC 17025 – Testing

NATA

Accreditation Number: 1986
Corporate Site Number: 5022

Approved Signatory: Kamil Wisniewski
Form ID: W4Rep Rev 4

Construction Sciences
a kiwa company

Construction Sciences Pty Ltd
ABN: 74 128 806 735

Address:
72 McCombe Road,
Davenport WA 6230

Laboratory: Bunbury
Phone: 08 9726 2187
Fax: 08 9721 2348
Email: Bunbury@constructionsciences.net

MOISTURE DENSITY RELATIONSHIP REPORT

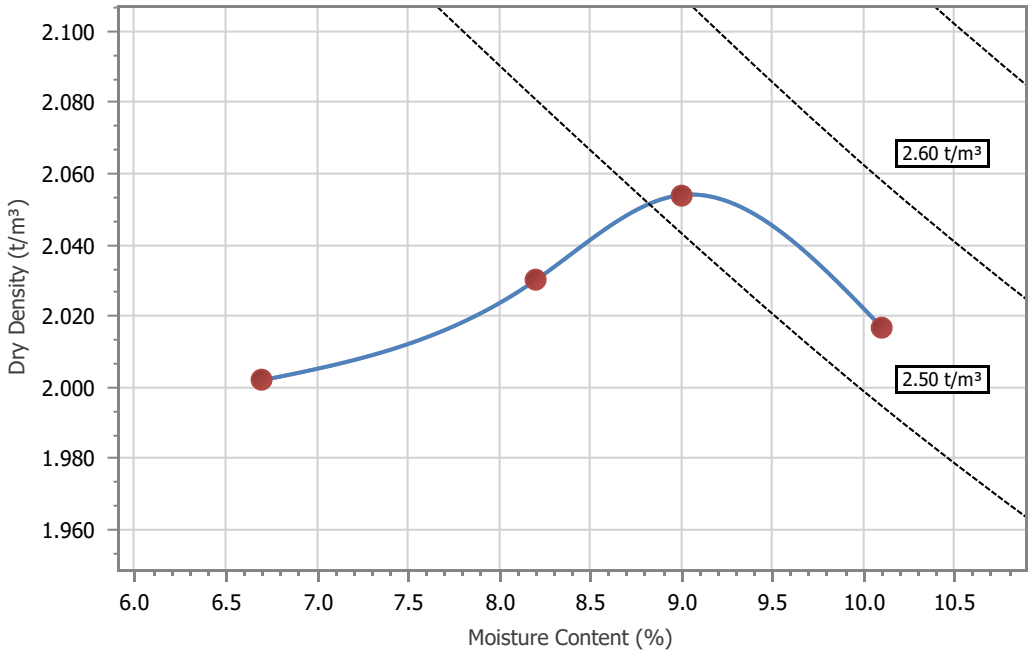
Client:	Trilab Pty Ltd	Report Number:	5022/R/26-864-1
Client Address:	2 Kimmer Road, Queens Park	Project Number:	5022/P/26-12
Project:	Tailex Pty Ltd - Perliminary Site Investigation Mt Celia HLP	Lot Number:	WD_S1
Location:	Mount Celia	Internal Test Request:	5022/T/26-180
Supplied To:	Trilab Pty Ltd	Client Reference/s:	LGI002
Area Description:	Mt Celia HLP	Report Date / Page:	12/02/2026 Page 1 of 1

Test Procedures	AS1289.5.1.1, AS1289.2.1.1, AS1289.1.1	Test Pit No.	WD_PBM
Sample Number	5022/S/26-1035	Depth m	0.00-0.30
Client Reference	P26020039		Gravel
Sampling Method	Tested As Received		
Sampled By	Client Sampled	Prep Material > 53mm (%)	-
Date Sampled/Tested	5/12/2025 / 4/02/2026	Compactive Effort	Standard
Material Source		Fraction Tested (mm)	< 19.0mm
Material Type		Percent Oversize (%)	14
Liquid Limit Method	Estimation	Total Curing Time (hrs)	2.0
Material Description	GRAVELL		

Moisture / Density Relationship Data

Moisture Content (%)	Dry Density (t/m³)
6.7	2.002
8.2	2.030
9.0	2.054
10.1	2.017

MOISTURE DENSITY RELATIONSHIP PLOT



Maximum Dry Density (t/m³):	**2.05**	**Optimum Moisture Content (%):**	**9.0**

Remarks: Results apply to the sample/s as received.

Accredited for compliance with ISO/IEC 17025 – Testing

NATA

Accreditation Number: 1986
Corporate Site Number: 5022

Approved Signatory: Hermanus Coetzee
Form ID: W4Rep Rev 4

Perth
Lot 1, Cockram Road
Martin WA 6110
Ph: +61 7 3265 5656

PERMEABILITY BY FALLING HEAD TEST REPORT

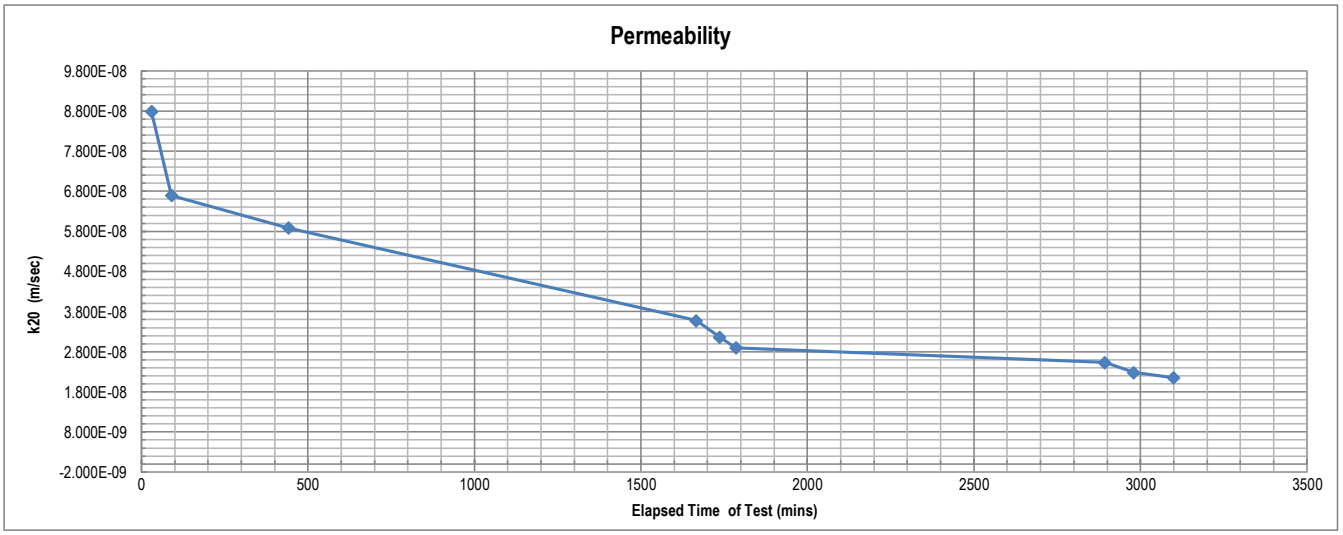
Test Method AS 1289 6.7.2, 5.1.1

Client	Tailex Pty Ltd	**Report No.**	P25120041-FPER
		Workorder No.	20498/T/25-255
Address	16 Lynton Street Doubleview WA 6018	**Test Date**	15/02/2026
		Report Date	19/02/2026
Project	Preliminary Site Investigation Mt Celia HLP		
Client ID	TP10-S2	**Depth (m)**	3.00
Description	Gravel	**Sample Type**	Remoulded Soil Specimen

RESULTS OF TESTING

Compaction Method	**AS1289.5.1.1 - Standard Compaction**		
Maximum Dry Density (t/m^3)	**2.07**	Hydraulic Gradient	**10.1**
Optimum Moisture Content (%)	**9.0**	Surcharge (kPa)	**2.9**
Placement Moisture Content (%)	**9.2**	Head Pressure Applied (kPa)	**11.38**
Moisture Ratio (%)	**102.7**	Water Type	**Deaerated**
Placement Wet Density (t/m^3)	**2.14**	Percentage Material Retained/Sieve Size (mm)	**0 % / 9.5 mm**
Density Ratio (%)	**94.8**	Sample Height and Diameter (mm)	**114.96 / 101.18 mm**

PERMEABILITY $k_{(20)}$ = **2.3×10^{-08}** **(m/sec)**



Remarks: The above specimen was remoulded to a target of 95% of Maximum Dry Density and at Optimum Moisture Content.

Sample/s supplied by client | The compaction data was supplied by the client. | Tested as received | **Page: 1 of 1** | REP06301

Accredited for compliance with ISO/IEC 17025 - Testing

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Tested at Trilab Brisbane Laboratory

Approved Signatory

Anthony Harrap

Anthony Harrap

Laboratory No. 9926

Perth
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Martin WA 6110
Ph: +61 7 3265 5656

PERMEABILITY BY FALLING HEAD TEST REPORT

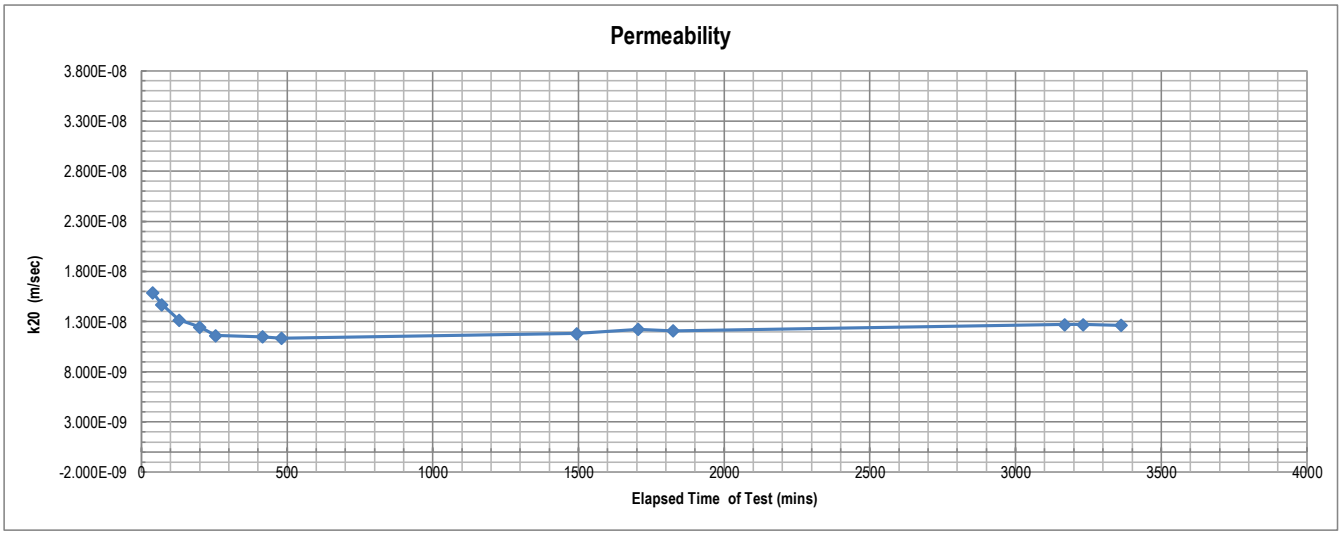
Test Method AS 1289 6.7.2, 5.1.1

Client	Tailex Pty Ltd	**Report No.**	P26020039-FPER
		Workorder No.	20498/T/25-255
Address	16 Lynton Street Doubleview WA 6018	**Test Date**	15/02/2026
		Report Date	19/02/2026
Project	Preliminary Site Investigation Mt Celia HLP		
Client ID	LGI002	**Depth (m)**	0.00-0.30
Description	Gravel	**Sample Type**	Remoulded Soil Specimen

RESULTS OF TESTING

Compaction Method	**AS1289.5.1.1 - Standard Compaction**		
Maximum Dry Density (t/m^3)	**2.05**	Hydraulic Gradient	**9.3**
Optimum Moisture Content (%)	**9.0**	Surcharge (kPa)	**2.7**
Placement Moisture Content (%)	**9.3**	Head Pressure Applied (kPa)	**10.79**
Moisture Ratio (%)	**103.3**	Water Type	**Deaerated**
Placement Wet Density (t/m^3)	**2.12**	Percentage Material Retained/Sieve Size (mm)	**10 % /19 mm**
Density Ratio (%)	**94.7**	Sample Height and Diameter (mm)	**117.7 / 151.83 mm**

PERMEABILITY $k_{(20)}$ = **1.3×10^{-08}** **(m/sec)**



Remarks: The above specimen was remoulded to a target of 95% of Maximum Dry Density and at Optimum Moisture Content.

Sample/s supplied by client | The compaction data was supplied by the client. | Tested as received | **Page: 1 of 1** | REP06301

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Tested at Trilab Brisbane Laboratory

Approved Signatory

Anthony Harrap

Anthony Harrap

Laboratory No. 9926

Attachment 3 Test pits logs

Tailex
Level 2/1 Manning St
Scarborough, Western Australia, 6019
Phone: 08 9204 2680

Geotechnical Log - Test Pit

Log ID: TP01

Easting (m)	448980	**Excavator**		**Job Number**	002
Northing (m)	6741951	**Excavator Supplier**	Legacy	**Client**	Legacy Pty Ltd
Ground Elevation		**Logged By**	A. Rodriguez	**Project**	LGI002 - Prelimary site investigation
Total Depth	0.2 m	**Reviewed By**	S. Kendall	**Location**	Mt Celia
		Date	23/10/2025	**Loc Comment**	

Elevation (m)	Depth (m)	Water	Soil Origin	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Samples	Remarks
			TOPSOIL		SM	Silty **SAND**: fine to coarse grained, non-plastic, red-brown, loose, dry.	Dry			- Presence of vegetation roots - The rock breaker was used. Minimal impact on the confined calcrete mass
			CALCRETE			REFUSAL. **CALCRETE**, Fine-grained cemented duricrust, white, amorphous, massive bedding. HCl fizz confirms carbonate cementation (>50% carbonate content)				
	1.0									
	2.0									
	3.0									
	4.0									
	5.0									
	6.0									
	7.0									
	8.0									
	9.0									
	10.0									

Tailex
Level 2/1 Manning St
Scarborough, Western Australia, 6019
Phone: 08 9204 2680

Geotechnical Log - Test Pit

Log ID: TP02

Easting (m)	449090	**Excavator**		**Job Number**	002
Northing (m)	6741860	**Excavator Supplier**	Legacy	**Client**	Legacy Pty Ltd
Ground Elevation		**Logged By**	A. Rodriguez	**Project**	LGI002 - Prelimary site investigation
Total Depth	0.6 m	**Reviewed By**	S. Kendall	**Location**	Mt Celia
		Date	23/10/2025	**Loc Comment**	

Elevation (m)	Depth (m)	Water	Soil Origin	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Samples	Remarks
	0.0		TOPSOIL		SM	Silty **SAND**: fine to coarse grained, non-plastic, red-brown, loose, dry.	Dry			- Presence of vegetation roots - CALCRETE, varying weathering with limited excavation depth. Slightly weathered calcrete presents as gravel to cobble sized clasts within a supported matrix
			CALCRETE		CAL	**CALCRETE**, Fine-grained cemented duricrust, white, amorphous, massive bedding. HCl fizz confirms carbonate cementation	Dry			
			CALCRETE			REFUSAL. **CALCRETE**, Fine-grained cemented duricrust, white, amorphous, massive bedding. HCl fizz confirms carbonate cementation (>50% carbonate content)				
	1.0									
	2.0									
	3.0									
	4.0									
	5.0									
	6.0									
	7.0									
	8.0									
	9.0									
	10.0									

Tailex
Level 2/1 Manning St
Scarborough, Western Australia, 6019
Phone: 08 9204 2680

Geotechnical Log - Test Pit

Log ID: TP04

Easting (m)	448917	**Excavator**		**Job Number**	002
Northing (m)	6741878	**Excavator Supplier**	Legacy	**Client**	Legacy Pty Ltd
Ground Elevation		**Logged By**	A. Rodriguez	**Project**	LGI002 - Prelimary site investigation
Total Depth	0.4 m	**Reviewed By**	S. Kendall	**Location**	Mt Celia
		Date	23/10/2025	**Loc Comment**	

Elevation (m)	Depth (m)	Water	Soil Origin	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Samples	Remarks
			TOPSOIL		SM	Silty **SAND**: fine to coarse grained, non-plastic, red-brown, loose, dry.	Dry		TP4 - 1	- Presence of vegetation roots - Angular to subangular gravel (increasing with depth)
			CALCRETE			REFUSAL. **CALCRETE**, Fine-grained cemented duricrust, white, amorphous, massive bedding. HCl fizz confirms carbonate cementation (>50% carbonate content)				

1.0
2.0
3.0
4.0
5.0
6.0
7.0
8.0
9.0
10.0

Tailex
Level 2/1 Manning St
Scarborough, Western Australia, 6019
Phone: 08 9204 2680

Geotechnical Log - Test Pit

Log ID: TP05

Easting (m)	449028	**Excavator**		**Job Number**	002
Northing (m)	6741786	**Excavator Supplier**	Legacy	**Client**	Legacy Pty Ltd
Ground Elevation		**Logged By**	A. Rodriguez	**Project**	LGI002 - Prelimary site investigation
Total Depth	0.95 m	**Reviewed By**	S. Kendall	**Location**	Mt Celia
		Date	23/10/2025	**Loc Comment**	

Elevation (m)	Depth (m)	Water	Soil Origin	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Samples	Remarks
	0				CL	Sandy **CLAY**, soft, low plasticity, fine to coarse grained sand, red-brown, dry.	Dry		TP5 - 1	- Blue/grey gravels increase with depth. - Occasional gravels and cobbles at 0.5m (angular to subangular)
			CALCRETE			**CALCRETE**, Fine-grained cemented duricrust, white, amorphous, massive bedding. HCl fizz confirms carbonate cementation				
	1.0		CALCRETE			REFUSAL. **CALCRETE**, Fine-grained cemented duricrust, white, amorphous, massive bedding. HCl fizz confirms carbonate cementation (>50% carbonate content)				
	2.0									
	3.0									
	4.0									
	5.0									
	6.0									
	7.0									
	8.0									
	9.0									
	10.0									

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Geotechnical Log - Test Pit

Log ID: TP06

Easting (m)	: 4409138	**Excavator**	:	**Job Number**	: 002
Northing (m)	: 6741695	**Excavator Supplier**	: Legacy	**Client**	: Legacy Pty Ltd
Ground Elevation	:	**Logged By**	: A. Rodriguez	**Project**	: LGI002 - Prelimary site investigation
Total Depth	: 0.2 m	**Reviewed By**	: S. Kendall	**Location**	: Mt Celia
		Date	: 23/10/2025	**Loc Comment**	:

Elevation (m)	Depth (m)	Water	Soil Origin	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Samples	Remarks
	0.0		TOPSOIL		SM	Silty **SAND**: fine to coarse grained, non-plastic, red-brown, loose, dry.	Dry			- Presence of vegetation roots
			CALCRETE			REFUSAL. **CALCRETE**, Fine-grained cemented duricrust, white, amorphous, massive bedding. HCl fizz confirms carbonate cementation (>50% carbonate content)				
	1.0									
	2.0									
	3.0									
	4.0									
	5.0									
	6.0									
	7.0									
	8.0									
	9.0									
	10.0									

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Geotechnical Log - Test Pit

Log ID: TP07

Easting (m)	448856	**Excavator**		**Job Number**	002
Northing (m)	6741805	**Excavator Supplier**	Legacy	**Client**	Legacy Pty Ltd
Ground Elevation		**Logged By**	A. Rodriguez	**Project**	LGI002 - Prelimary site investigation
Total Depth	1.4 m	**Reviewed By**	S. Kendall	**Location**	Mt Celia
		Date	23/10/2025	**Loc Comment**	

Elevation (m)	Depth (m)	Water	Soil Origin	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Samples	Remarks
	0.0		TOPSOIL		SM	Silty **SAND**: fine to coarse grained, non-plastic, red-brown, loose, dry.	Dry			- Presence of vegetation roots
	1.0				SP	Weakly iron-cemented red-brown **SAND** with white calcareous gravel (vuggy / patchy), duricrust with 10-20% gravel by mass with sand and fines within the voids				- Profile dominated by iron cementation, with no reaction with HCl. - Cementation increases with depth. - Cobble-sized aggregates broken down manually. - Gravel- to boulder-sized cemented clasts within a silty to gravelly sand matrix
	1.4		CALCRETE			REFUSAL. **CALCRETE**, Fine-grained cemented duricrust, white, amorphous, massive bedding. HCl fizz confirms carbonate cementation (>50% carbonate content)				
	2.0									
	3.0									
	4.0									
	5.0									
	6.0									
	7.0									
	8.0									
	9.0									
	10.0									

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Geotechnical Log - Test Pit

Log ID: TP08

Easting (m)	448967	**Excavator**		**Job Number**	002
Northing (m)	6741713	**Excavator Supplier**	Legacy	**Client**	Legacy Pty Ltd
Ground Elevation		**Logged By**	A. Rodriguez	**Project**	LGI002 - Prelimary site investigation
Total Depth	0.8 m	**Reviewed By**	S. Kendall	**Location**	Mt Celia
		Date	23/10/2025	**Loc Comment**	

Elevation (m)	Depth (m)	Water	Soil Origin	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Samples	Remarks
			TOPSOIL		SM	Silty **SAND**: fine to coarse grained, non-plastic, red-brown, loose, dry.	Dry			- Presence of vegetation roots
					GW	Sandy **GRAVEL**, sub-angular to angular, fine, medium and coarse sized, fine, medium and coarse grained sand, red - brown, dry.				- Varying depth of calcrete layer - Gravel sits on the hollows of the calcareous material - Transition from a weaker to a harder material with depth - Iron cementation presence with no reaction with HCl - Calcareous layer with strong fizz
	1.0		CALCRETE			REFUSAL. **CALCRETE**, Fine-grained cemented duricrust, white, amorphous, massive bedding. HCl fizz confirms carbonate cementation (>50% carbonate content)				
	2.0									
	3.0									
	4.0									
	5.0									
	6.0									
	7.0									
	8.0									
	9.0									
	10.0									

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Geotechnical Log - Test Pit

Log ID: TP09

Easting (m)	: 449077	**Excavator**	:	**Job Number**	: 002
Northing (m)	: 6741622	**Excavator Supplier**	: Legacy	**Client**	: Legacy Pty Ltd
Ground Elevation	:	**Logged By**	: A. Rodriguez	**Project**	: LGI002 - Prelimary site investigation
Total Depth	: 0.3 m	**Reviewed By**	: S. Kendall	**Location**	: Mt Celia
		Date	: 23/10/2025	**Loc Comment**	:

Elevation (m)	Depth (m)	Water	Soil Origin	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Samples	Remarks
	0.0		TOPSOIL		SM	Silty **SAND**: fine to coarse grained, non-plastic, red-brown, loose, dry.	Dry			- Presence of vegetation roots
			CALCRETE			REFUSAL. **CALCRETE**, Fine-grained cemented duricrust, white, amorphous, massive bedding. HCl fizz confirms carbonate cementation (>50% carbonate content)				
	1.0									
	2.0									
	3.0									
	4.0									
	5.0									
	6.0									
	7.0									
	8.0									
	9.0									
	10.0									

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Geotechnical Log - Test Pit

Log ID: TP10

Easting (m)	448809	**Excavator**		**Job Number**	002
Northing (m)	6741752	**Excavator Supplier**	Legacy	**Client**	Legacy Pty Ltd
Ground Elevation		**Logged By**	A. Rodriguez	**Project**	LGI002 - Prelimary site investigation
Total Depth	2.8 m	**Reviewed By**	S. Kendall	**Location**	Mt Celia
		Date	23/10/2025	**Loc Comment**	

Elevation (m)	Depth (m)	Water	Soil Origin	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Samples	Remarks
			TOPSOIL		SM	Silty **SAND**: fine to coarse grained, non-plastic, red-brown, loose, dry.	Dry			- Presence of vegetation roots - Powdery texture
	1.0				SM	Silty **SAND**: fine to medium grained, non-plastic, red-brown, loose, dry.			TP10 - 1	- Occasional blue-grey gravels, angular to subangular
	2.0				SC	Clayey **SAND**: fine to coarse grained, low plasticity, red-brown, loose, dry.			TP10 - 2	
	3.0					Terminated at: 2.80 m				
	4.0									
	5.0									
	6.0									
	7.0									
	8.0									
	9.0									
	10.0									

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Geotechnical Log - Test Pit

Log ID: TP11

Easting (m)	448819	**Excavator**		**Job Number**	002
Northing (m)	6741676	**Excavator Supplier**	Legacy	**Client**	Legacy Pty Ltd
Ground Elevation		**Logged By**	A. Rodriguez	**Project**	LGI002 - Prelimary site investigation
Total Depth	2.2 m	**Reviewed By**	S. Kendall	**Location**	Mt Celia
		Date	23/10/2025	**Loc Comment**	

Elevation (m)	Depth (m)	Water	Soil Origin	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Samples	Remarks
			TOPSOIL		SM	Silty **SAND**: fine to coarse grained, non-plastic, red-brown, loose, dry.	Dry			- Vegetation roots noted throughout the hole
	1.0				SM	**SAND** with Silt: fine to coarse grained, fine and medium sized gravel, red - brown, dry.	Dry		TP11 - 1	
	2.0				SP	**SAND** with gravel**:** fine to coarse grained, fine, medium and coarse sized gravel, red - brown, dry.	Dry		TP11 - 2	- Weakly to moderate iron-cemented clasts, friable - Increasing amount and size of gravels and cobbles with depth - Less amount of blue-grey gravels/cobbles compared to TP10
	3.0		CALCRETE			REFUSAL. **CALCRETE**, Fine-grained cemented duricrust, white, amorphous, massive bedding. HCl fizz confirms carbonate cementation (>50% carbonate content)				
	4.0									
	5.0									
	6.0									
	7.0									
	8.0									
	9.0									
	10.0									

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Geotechnical Log - Test Pit

Log ID: TP12

Easting (m)	448775	**Excavator**		**Job Number**	002
Northing (m)	6741626	**Excavator Supplier**	Legacy	**Client**	Legacy Pty Ltd
Ground Elevation		**Logged By**	A. Rodriguez	**Project**	LGI002 - Prelimary site investigation
Total Depth	1.7 m	**Reviewed By**	S. Kendall	**Location**	Mt Celia
		Date	23/10/2025	**Loc Comment**	

Elevation (m)	Depth (m)	Water	Soil Origin	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Samples	Remarks
	0.0		TOPSOIL		SM	Silty **SAND**: fine to coarse grained, non-plastic, red-brown, loose, dry.	Dry		TP12 - 1	- Presence of vegetation roots
	1.0				SM	**SAND** with Silt**:** fine, medium and coarse grained, trace of fine, medium and coarse sized gravel, red - brown, dry.	Dry		TP12 - 2	- Presents as cobbles and boulders but break down with hand - Weakly to moderate iron-cemented - Higher presence of blue-grey gravel compared to TP11 - Increasing amount of gravel with depth at 1m, angular to subangular
	2.0					REFUSAL at: 1.7 m				
	3.0									
	4.0									
	5.0									
	6.0									
	7.0									
	8.0									
	9.0									
	10.0									

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Geotechnical Log - Test Pit

Log ID: TP13

Easting (m)	448690	**Excavator**		**Job Number**	002
Northing (m)	6741630	**Excavator Supplier**	Legacy	**Client**	Legacy Pty Ltd
Ground Elevation		**Logged By**	A. Rodriguez	**Project**	LGI002 - Prelimary site investigation
Total Depth	2.4 m	**Reviewed By**	S. Kendall	**Location**	Mt Celia
		Date	23/10/2025	**Loc Comment**	

Elevation (m)	Depth (m)	Water	Soil Origin	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Samples	Remarks
	1.0		TOPSOIL		SM	Silty **SAND**: fine to coarse grained, non-plastic, red-brown, loose, dry.	Dry		TP13	- Presence of vegetation roots throughout the hole - No calcareous material observed No highly weathered blue-grey gravel observed
	2.0					Terminated at: 2.4 m				
	3.0									
	4.0									
	5.0									
	6.0									
	7.0									
	8.0									
	9.0									
	10.0									

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Geotechnical Log - Test Pit

Log ID: TP14

Easting (m)	448861	**Excavator**		**Job Number**	002
Northing (m)	6741709	**Excavator Supplier**	Legacy	**Client**	Legacy Pty Ltd
Ground Elevation		**Logged By**	A. Rodriguez	**Project**	LGI002 - Prelimary site investigation
Total Depth	1.6 m	**Reviewed By**	S. Kendall	**Location**	Mt Celia
		Date	23/10/2025	**Loc Comment**	

Elevation (m)	Depth (m)	Water	Soil Origin	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Samples	Remarks
	0		TOPSOIL		SM	Silty **SAND**: fine to coarse grained, non-plastic, red-brown, loose, dry.	Dry			- Presence of vegetation roots
	1.0				SM	Silty **SAND**: fine to coarse grained, non-plastic, red-brown, loose, dry.	Dry		TP14	- It presents as large gravels and cobbles but breaks down with hand - White calcareous leached cobbles and boulders at 1m - Cementation increases with depth - Blue-grey coarse gravels observed
						REFUSAL at: 1.6 m				
	2.0									
	3.0									
	4.0									
	5.0									
	6.0									
	7.0									
	8.0									
	9.0									
	10.0									

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Geotechnical Log - Test Pit

Log ID: TP15

Easting (m)	448749	**Excavator**		**Job Number**	002
Northing (m)	6741691	**Excavator Supplier**	Legacy	**Client**	Legacy Pty Ltd
Ground Elevation		**Logged By**	A. Rodriguez	**Project**	LGI002 - Prelimary site investigation
Total Depth	2.3 m	**Reviewed By**	S. Kendall	**Location**	Mt Celia
		Date	23/10/2025	**Loc Comment**	

Elevation (m)	Depth (m)	Water	Soil Origin	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Samples	Remarks
			TOPSOIL		SM	Silty **SAND**: fine to coarse grained, non-plastic, red-brown, loose, dry.	Dry			- Presence of vegetation roots
	1.0				SW	Gravelly well-graded **SAND:** fine, medium and coarse grained, fine, medium and coarse sized gravel, red - brown, dry.	Dry			- Cobbles and boulders break down into small pieces (sand / gravel) with hand
	2.0									- Blue-grey gravels observed close to the end oh the hole - No calcareous cobbles identified - No reaction with HCl
						REFUSAL at: 2.3 m				
	3.0									
	4.0									
	5.0									
	6.0									
	7.0									
	8.0									
	9.0									
	10.0									

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Geotechnical Log - Test Pit

Log ID: TP16

Easting (m)	: 449092	**Excavator**	:	**Job Number**	: 002
Northing (m)	: 6741655	**Excavator Supplier**	: Legacy	**Client**	: Legacy Pty Ltd
Ground Elevation	:	**Logged By**	: A. Rodriguez	**Project**	: LGI002 - Prelimary site investigation
Total Depth	: 0.2 m	**Reviewed By**	: S. Kendall	**Location**	: Mt Celia
		Date	: 23/10/2025	**Loc Comment**	:

Elevation (m)	Depth (m)	Water	Soil Origin	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Samples	Remarks
			TOPSOIL		SM	Silty **SAND**: fine to coarse grained, non-plastic, red-brown, loose, dry.	Dry			- Presence of vegetation roots
			CALCRETE			REFUSAL. **CALCRETE**, Fine-grained cemented duricrust, white, amorphous, massive bedding. HCl fizz confirms carbonate cementation (>50% carbonate content)				
	1.0									
	2.0									
	3.0									
	4.0									
	5.0									
	6.0									
	7.0									
	8.0									
	9.0									
	10.0									

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Geotechnical Log - Test Pit

Log ID: TP17 - Existing WD

Easting (m)	448982	**Excavator**		**Job Number**	002
Northing (m)	6741589	**Excavator Supplier**	Legacy	**Client**	Legacy Pty Ltd
Ground Elevation		**Logged By**	A. Rodriguez	**Project**	LGI002 - Prelimary site investigation
Total Depth	1.5 m	**Reviewed By**	S. Kendall	**Location**	Mt Celia
		Date	23/10/2025	**Loc Comment**	

Elevation (m)	Depth (m)	Water	Soil Origin	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Samples	Remarks
	1.0		FILL		GP	Sandy to clayey **GRAVEL** with boulders and cobbles: fine to medium to coarse grained sand, with fine to medium to coarse sized gravel, dry.	Dry		TP 17	- Significant amount of cobbles and boulders within the matrix of a sandy gravel
						Terminated at: 1.5 m				
	2.0									
	3.0									
	4.0									
	5.0									
	6.0									
	7.0									
	8.0									
	9.0									
	10.0									

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Geotechnical Log - Test Pit

Log ID: TP18

Easting (m)	449026	**Excavator**		**Job Number**	002
Northing (m)	6741756	**Excavator Supplier**	Legacy	**Client**	Legacy Pty Ltd
Ground Elevation		**Logged By**	A. Rodriguez	**Project**	LGI002 - Prelimary site investigation
Total Depth	0.6 m	**Reviewed By**	S. Kendall	**Location**	Mt Celia
		Date	23/10/2025	**Loc Comment**	

Elevation (m)	Depth (m)	Water	Soil Origin	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Samples	Remarks
	0.0		TOPSOIL		SM	Silty **SAND**: fine to coarse grained, non-plastic, red-brown, loose, dry.	Dry			- Vegetation roots - 200mm iron-cemented layer situated at 0.3m with no reaction with HCl
			CALCRETE			REFUSAL. **CALCRETE**, Fine-grained cemented duricrust, white, amorphous, massive bedding. HCl fizz confirms carbonate cementation (>50% carbonate content)				
	1.0									
	2.0									
	3.0									
	4.0									
	5.0									
	6.0									
	7.0									
	8.0									
	9.0									
	10.0									

APPENDIX F - 2020 DETAILED FLORA AND VEGETATION SURVEY

APPENDIX F1 – 2020 Detailed Flora and Vegetation Survey Part 1