

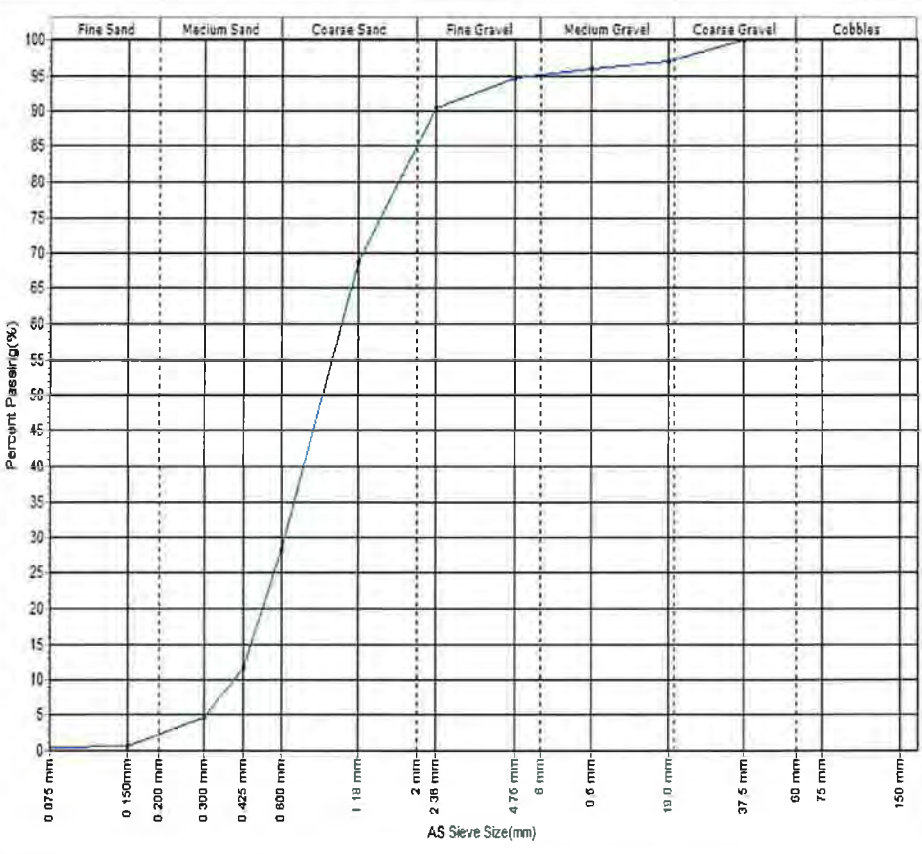


APPENDIX C

Laboratory Test Results

Particle Size Distribution Report

Client: Sunwater Client Address: PO Box 15536 City East Qld 4002 Project: Connors River Dam and Pipeline Location: Connors River , Collaroy Lab No: 0937554 Date Sampled: 27/07/2009 Date Tested: 05/08/2009 Sampled By: G.A.P Sample Method: - Material Source: Insitu For Use As: Bedding Remarks: Sample mass received does not meet the requirements of the test method.	Job Number: 077632049 Report Number: 077632049 - 62 Report Date: 20/08/2009 <p style="text-align: center;">Page 1 of 30</p> Sample Location BHCTP02 0.0 - 0.1m
---	--

	A.S. Sieve Sizes	Percent Passing
Test Method: AS1289.3.6.1 		
	75.00 mm	
	53.00 mm	
	37.50 mm	100
	26.50 mm	-
	19.00 mm	97
	13.2 mm	-
	9.50 mm	96
	4.75 mm	95
	2.36 mm	90
	1.18 mm	69
	0.600 mm	28
	0.425 mm	12
	0.300 mm	5
	0.150 mm	1
	0.075 mm	1
	Moisture Content (%)	

Visual Classification:



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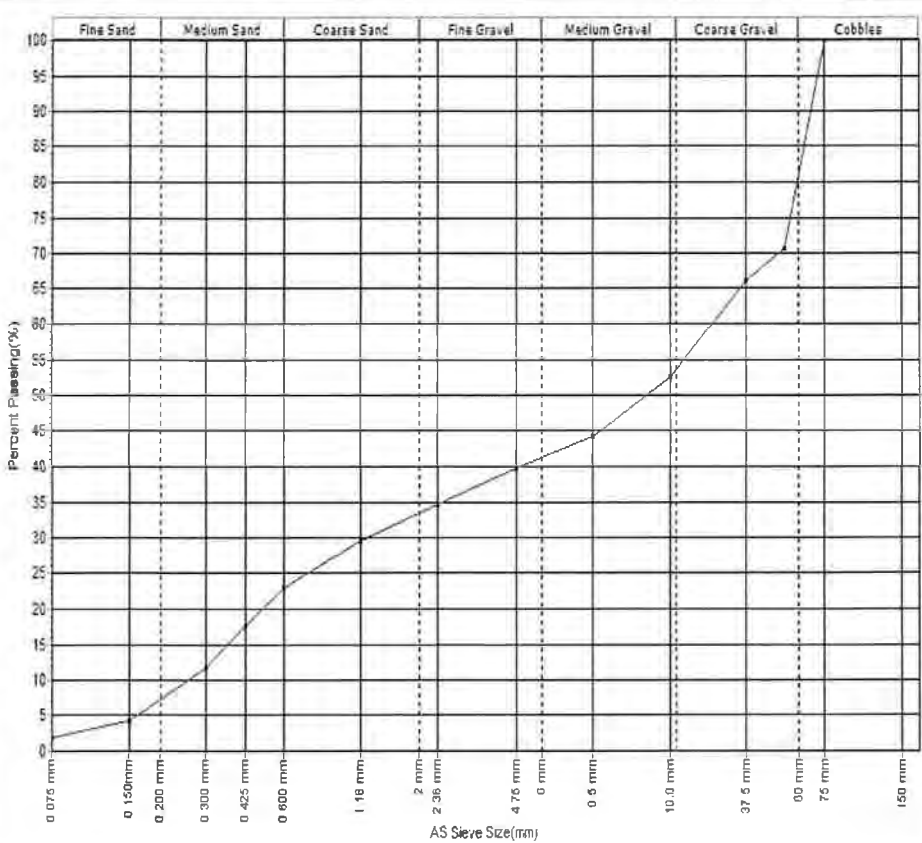
Approved Signatory

James Angus
NATA Accred No:1446

Form Number
R77-RL-2

Particle Size Distribution Report

Client: Sunwater Client Address: PO Box 15536 City East Qld 4002 Project: Connors River Dam and Pipeline Location: Connors River , Collaroy Lab No: 0937555 Date Sampled: 27/07/2009 Date Tested: 05/08/2009 Sampled By: G.A.P Sample Method: - Material Source: Insitu For Use As: Bedding Remarks: Sample mass received does not meet the requirements of the test method.	Job Number: 077632049 Report Number: 077632049 - 62 Report Date: 20/08/2009 <p style="text-align: center;">Page 2 of 30</p> Sample Location BHCTP03 1.4 - 1.5m
---	--

	A.S. Sieve Sizes	Percent Passing
Test Method: AS1289.3.6.1	75.00 mm	100
	53.00 mm	71
	37.50 mm	66
	26.50 mm	-
	19.00 mm	53
	13.2 mm	-
	9.50 mm	44
	4.75 mm	40
	2.36 mm	35
	1.18 mm	30
	0.600 mm	23
	0.425 mm	18
	0.300 mm	12
	0.150 mm	4
	0.075 mm	2
		Moisture Content (%)

Visual Classification:



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Approved Signatory

James Angus
James Angus

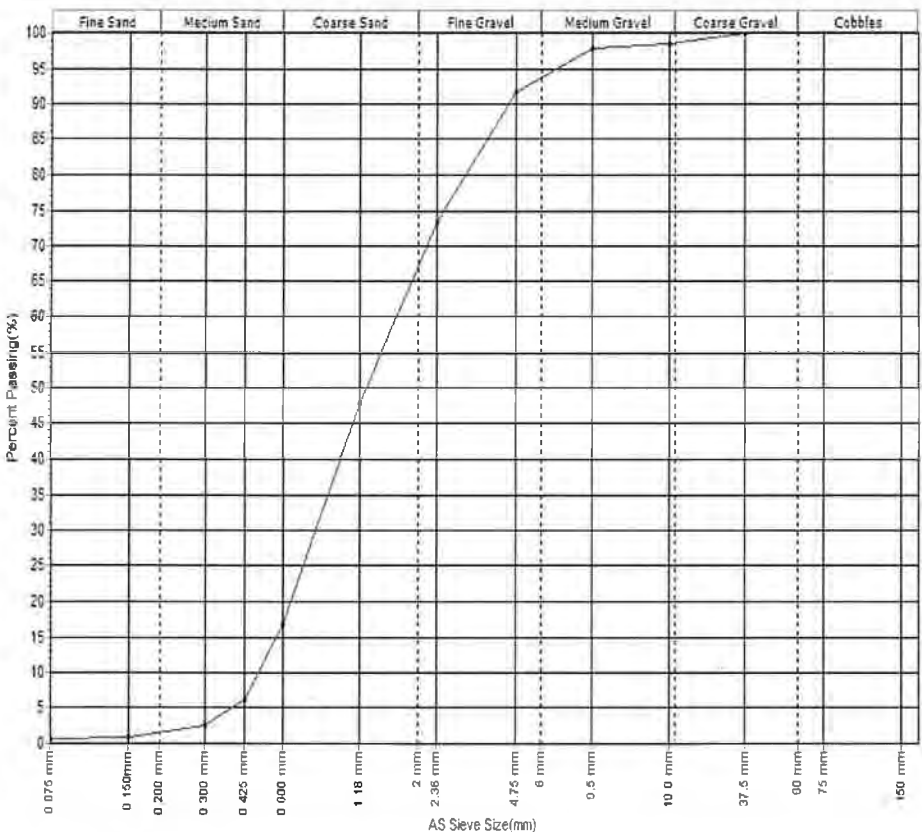
NATA Accred No:1446

Form Number

R77-RL-2

Particle Size Distribution Report

Client: Sunwater Client Address: PO Box 15536 City East Qld 4002 Project: Connors River Dam and Pipeline Location: Connors River , Collaroy	Job Number: 077632049 Report Number: 077632049 - 62 Report Date: 20/08/2009 <p style="text-align: center;">Page 3 of 30</p>
Lab No: 0937556 Date Sampled: 27/07/2009 Date Tested: 05/08/2009 Sampled By: G.A.P Sample Method: - Material Source: Insitu For Use As: Bedding	Sample Location: BHAH01 0.5 - 0.6m
Remarks: Sample mass received does not meet the requirements of the test method.	

	A.S. Sieve Sizes	Percent Passing
Test Method: AS1289.3.6.1	75.00 mm	
	53.00 mm	
	37.50 mm	100
	26.50 mm	-
	19.00 mm	99
	13.2 mm	-
	9.50 mm	98
	4.75 mm	92
	2.36 mm	73
	1.18 mm	48
	0.600 mm	17
	0.425 mm	6
	0.300 mm	2
	0.150 mm	1
	0.075 mm	1
		Moisture Content (%)

Visual Classification:



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Approved Signatory



James Angus

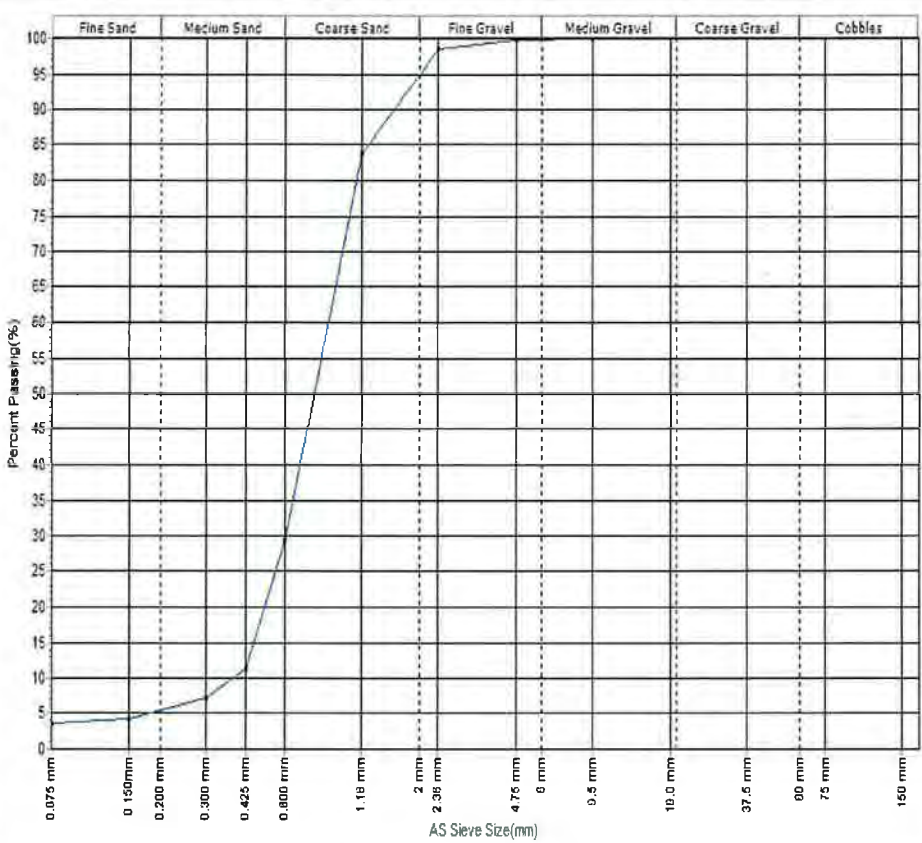
NATA Accred No: 1446

Form Number

R77-RL-2

Particle Size Distribution Report

Client: Sunwater	Job Number: 077632049
Client Address: PO Box 15536 City East Qld 4002	Report Number: 077632049 - 62
Project: Connors River Dam and Pipeline	Report Date: 20/08/2009
Location: Connors River , Collaroy	Page 4 of 30
Lab No: 0937557	Sample Location FCTP01 0.0 - 0.1m
Date Sampled: 27/07/2009	
Date Tested: 05/08/2009	
Sampled By: G.A.P	
Sample Method: -	
Material Source: Insitu	
For Use As: Bedding	
Remarks: Sample mass received does not meet the requirements of the test method.	

	A.S. Sieve Sizes	Percent Passing
Test Method: AS1289.3.6.1	75.00 mm	
	53.00 mm	
	37.50 mm	
	26.50 mm	
	19.00 mm	
	13.2 mm	
	9.50 mm	
	4.75 mm	100
	2.36 mm	98
	1.18 mm	84
	0.600 mm	29
	0.425 mm	11
	0.300 mm	7
	0.150 mm	4
	0.075 mm	4
	Moisture Content (%)	

Visual Classification:



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Approved Signatory

James Angus
James Angus

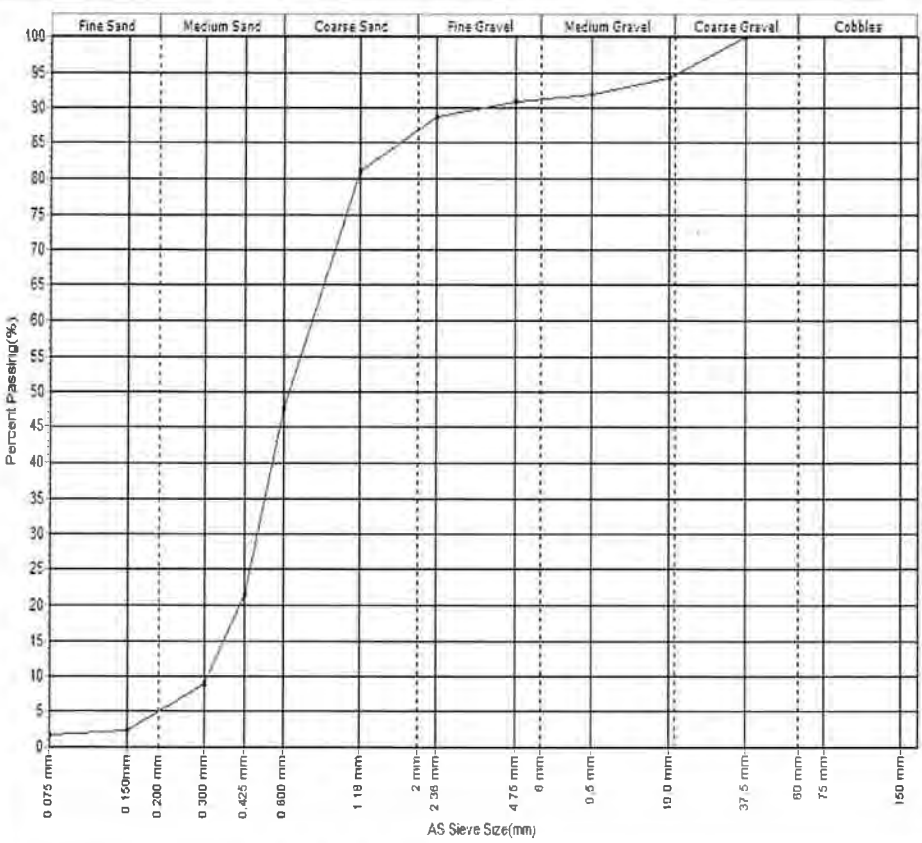
NATA Accred No:1446

Form Number

R77-RL-2

Particle Size Distribution Report

Client: Sunwater Client Address: PO Box 15536 City East Qld 4002 Project: Connors River Dam and Pipeline Location: Connors River , Collaroy	Job Number: 077632049 Report Number: 077632049 - 62 Report Date: 20/08/2009 <p style="text-align: center;">Page 5 of 30</p>
Lab No: 0937558 Date Sampled: 27/07/2009 Date Tested: 05/08/2009 Sampled By: G.A.P Sample Method: - Material Source: Insitu For Use As: Bedding Remarks: Sample mass received does not meet the requirements of the test method.	Sample Location FCTP03 0.3 - 0.4m

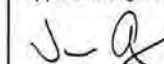
	A.S. Sieve Sizes	Percent Passing
Test Method: AS1289.3.6.1	75.00 mm	
	53.00 mm	
	37.50 mm	100
	26.50 mm	-
	19.00 mm	94
	13.2 mm	-
	9.50 mm	92
	4.75 mm	91
	2.36 mm	89
	1.18 mm	81
	0.600 mm	48
	0.425 mm	21
	0.300 mm	9
	0.150 mm	2
	0.075 mm	2
		Moisture Content (%)

Visual Classification:



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Approved Signatory



James Angus

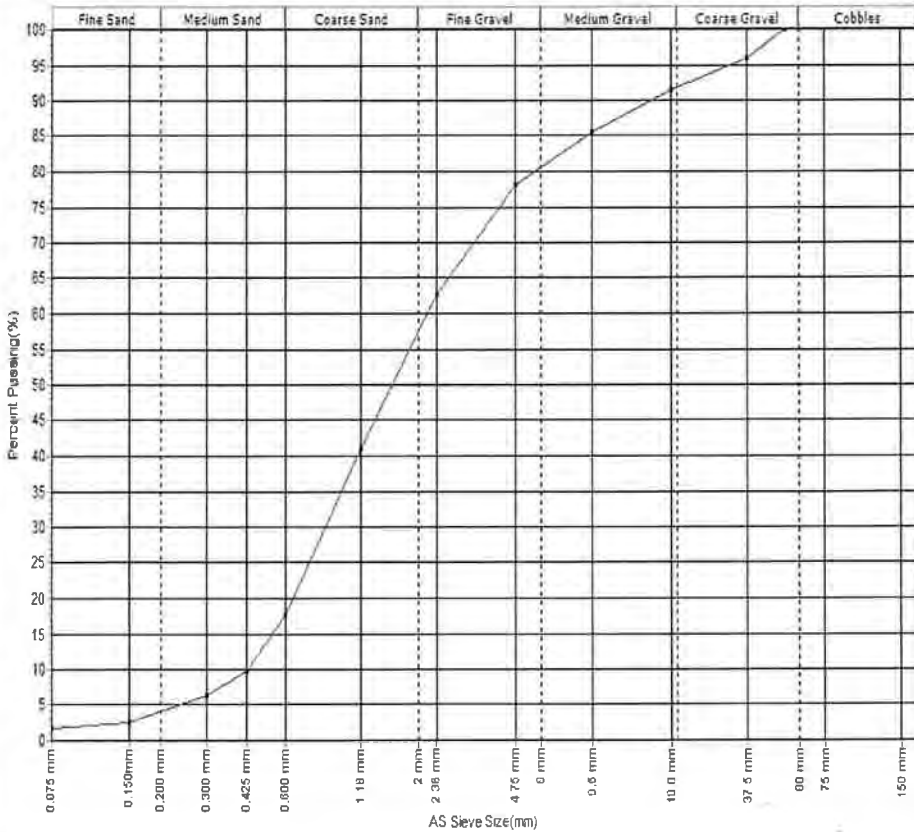
NATA Accred No:1446

Form Number

R77-RL-2

Particle Size Distribution Report

Client: Sunwater Client Address: PO Box 15536 City East Qld 4002 Project: Connors River Dam and Pipeline Location: Connors River , Collaroy	Job Number: 077632049 Report Number: 077632049 - 62 Report Date: 20/08/2009 <p style="text-align: center;">Page 6 of 30</p>
Lab No: 0937559 Date Sampled: 27/07/2009 Date Tested: 05/08/2009 Sampled By: G.A.P Sample Method: - Material Source: Insitu For Use As: Bedding Remarks: Sample mass received does not meet the requirements of the test method.	Sample Location FCTP04 0.9 - 1.0m

	A.S. Sieve Sizes	Percent Passing
Test Method: AS1289.3.6.1	75.00 mm	
	53.00 mm	100
	37.50 mm	96
	26.50 mm	-
	19.00 mm	92
	13.2 mm	-
	9.50 mm	86
	4.75 mm	78
	2.36 mm	63
	1.18 mm	41
	0.600 mm	18
	0.425 mm	10
	0.300 mm	6
	0.150 mm	3
	0.075 mm	2
		Moisture Content (%)

Visual Classification:



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Approved Signatory

James Angus
James Angus

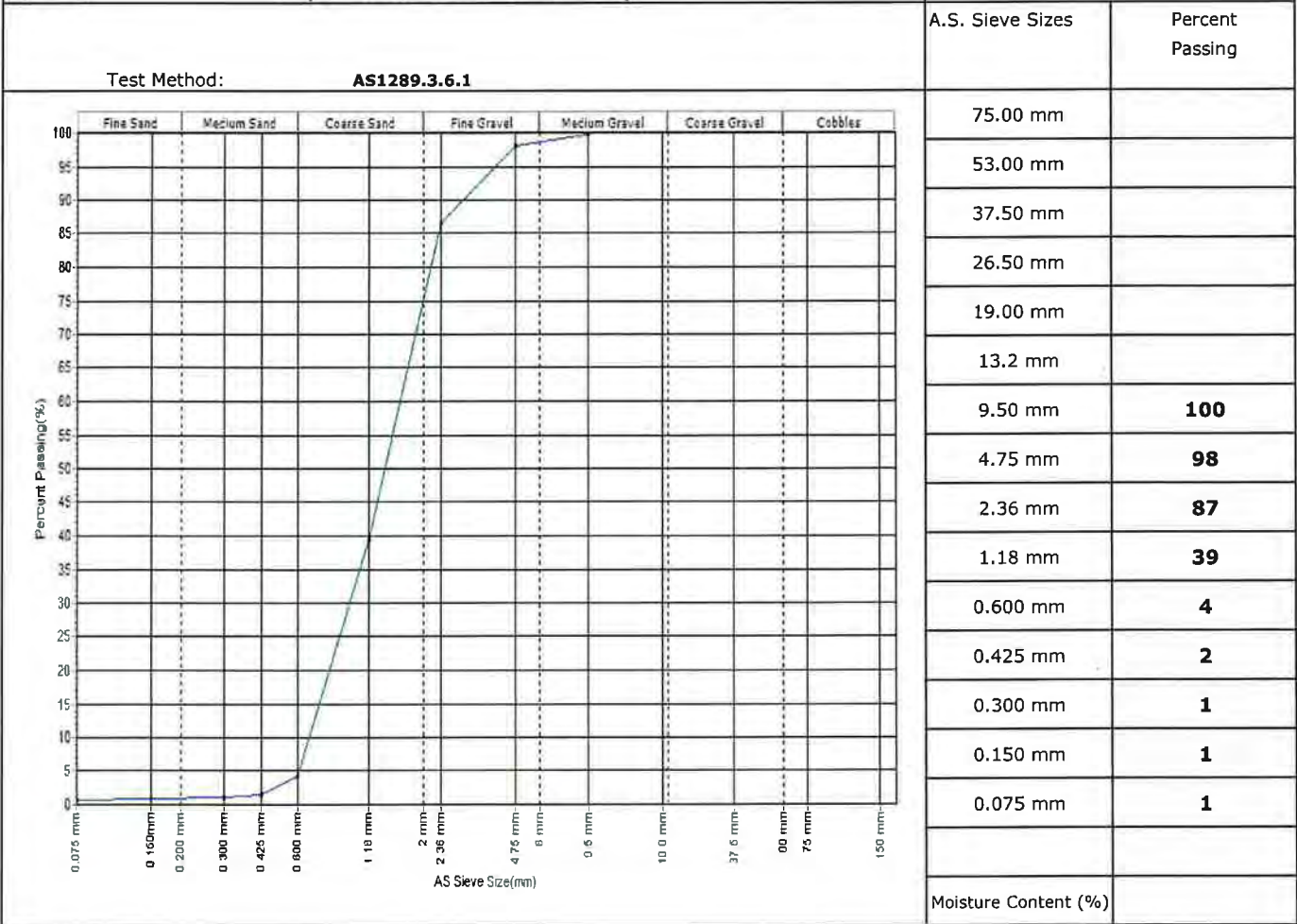
NATA Accred No:1446

Form Number

R77-RL-2

Particle Size Distribution Report

Client: Sunwater Client Address: PO Box 15536 City East Qld 4002 Project: Connors River Dam and Pipeline Location: Connors River , Collaroy	Job Number: 077632049 Report Number: 077632049 - 62 Report Date: 20/08/2009
Lab No: 0937560 Date Sampled: 27/07/2009 Date Tested: 05/08/2009 Sampled By: G.A.P Sample Method: - Material Source: Insitu For Use As: Bedding Remarks: Sample mass received does not meet the requirements of the test method.	Page 7 of 30 Sample Location FCAH01 0.5 - 0.6m



Visual Classification:



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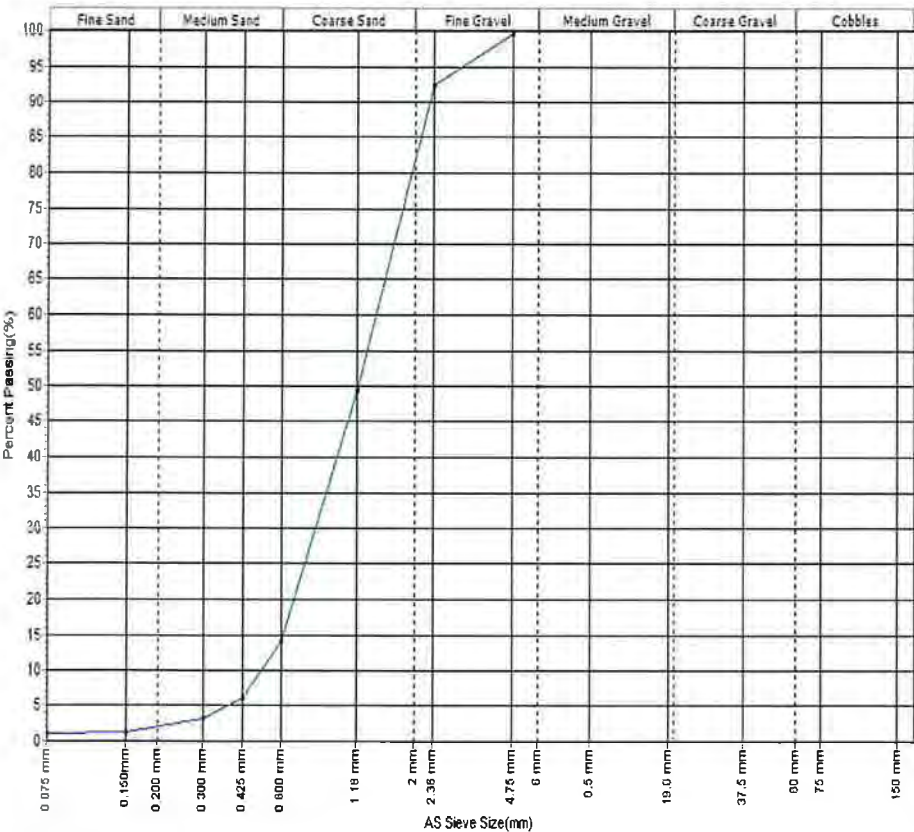
James Angus
James Angus
NATA Accred No:1446

Form Number

R77-RL-2

Particle Size Distribution Report

Client: Sunwater	Job Number: 077632049
Client Address: PO Box 15536 City East Qld 4002	Report Number: 077632049 - 62
Project: Connors River Dam and Pipeline	Report Date: 20/08/2009
Location: Connors River, Collaroy	Page 8 of 30
Lab No: 0937561	Sample Location
Date Sampled: 27/07/2009	FCAH03
Date Tested: 05/08/2009	0.3 - 0.4m
Sampled By: G.A.P	
Sample Method: -	
Material Source: Insitu	
For Use As: Bedding	
Remarks: Sample mass received does not meet the requirements of the test method.	

Test Method: AS1289.3.6.1	A.S. Sieve Sizes	Percent Passing
	75.00 mm	
	53.00 mm	
	37.50 mm	
	26.50 mm	
	19.00 mm	
	13.2 mm	
	9.50 mm	
	4.75 mm	100
	2.36 mm	92
	1.18 mm	49
	0.600 mm	14
	0.425 mm	6
	0.300 mm	3
	0.150 mm	1
0.075 mm	1	
	Moisture Content (%)	

Visual Classification:



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James Angus

James Angus

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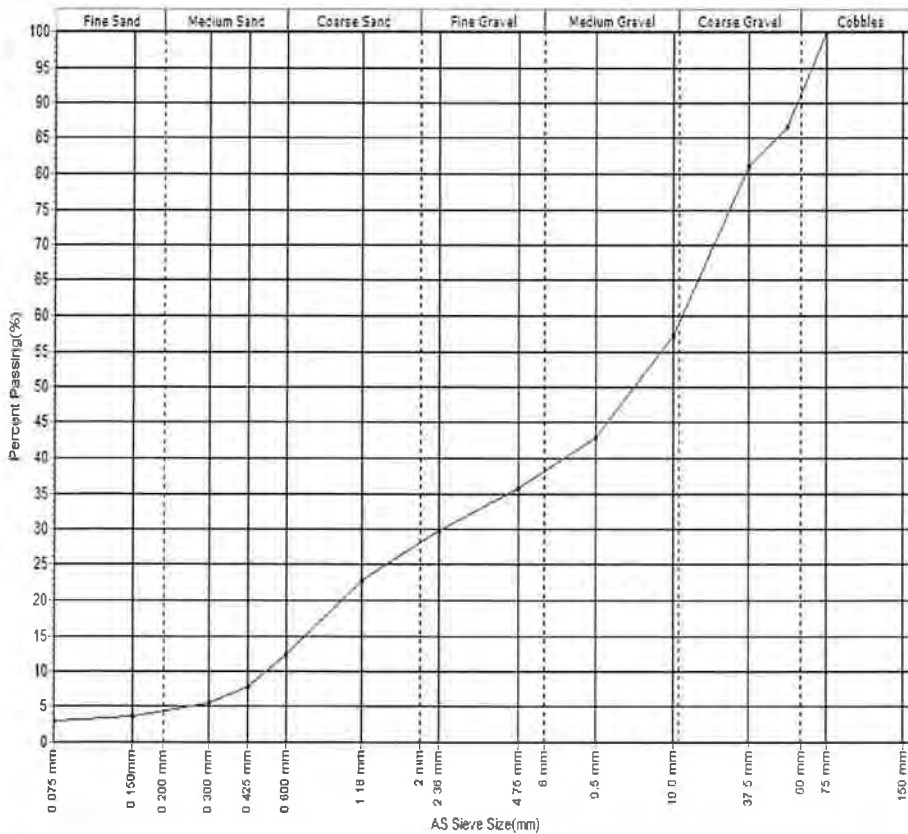
Form Number

R77-RL-2

Particle Size Distribution Report

Client: Sunwater Client Address: PO Box 15536 City East Qld 4002 Project: Connors River Dam and Pipeline Location: Connors River , Collaroy	Job Number: 077632049 Report Number: 077632049 - 62 Report Date: 20/08/2009 Page 9 of 30
Lab No: 0937562 Date Sampled: 27/07/2009 Date Tested: 05/08/2009 Sampled By: G.A.P Sample Method: - Material Source: Insitu For Use As: Bedding	Sample Location CRTP01 1.2 - 1.3m
Remarks: Sample mass received does not meet the requirements of the test method.	

Test Method: **AS1289.3.6.1**



A.S. Sieve Sizes	Percent Passing
75.00 mm	100
53.00 mm	87
37.50 mm	81
26.50 mm	-
19.00 mm	57
13.2 mm	-
9.50 mm	43
4.75 mm	36
2.36 mm	30
1.18 mm	23
0.600 mm	12
0.425 mm	8
0.300 mm	6
0.150 mm	4
0.075 mm	3
Moisture Content (%)	

Visual Classification:



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Approved Signatory

James Angus

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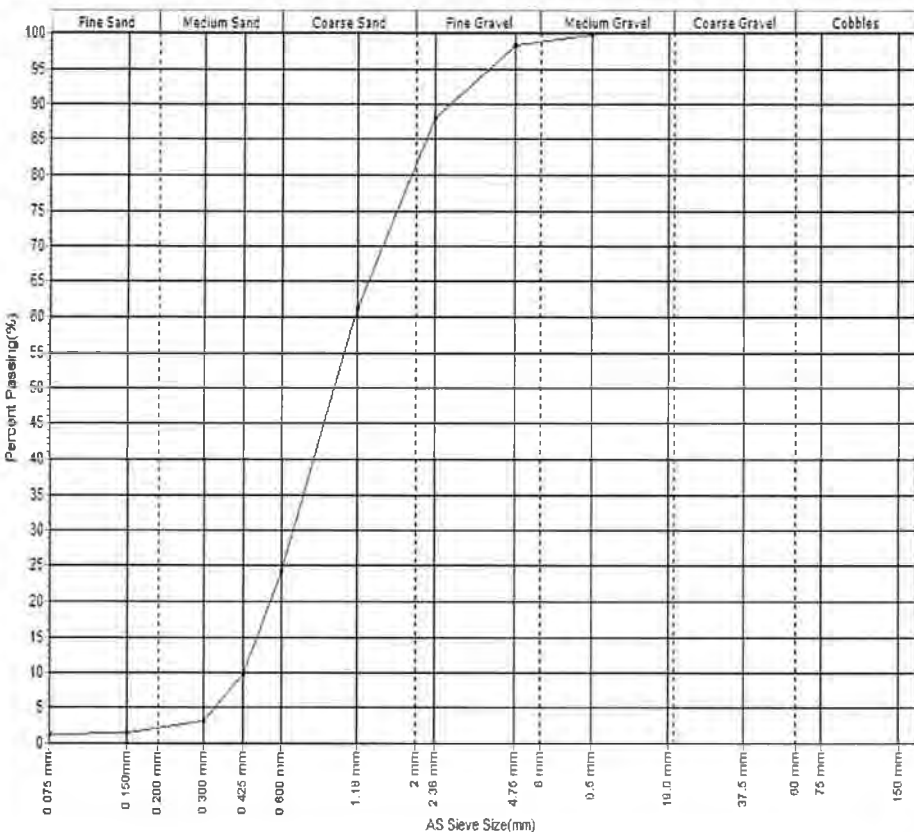
NATA Accred No: 1446

Form Number

R77-RL-2

Particle Size Distribution Report

Client: Sunwater Client Address: PO Box 15536 City East Qld 4002 Project: Connors River Dam and Pipeline Location: Connors River, Collaroy Lab No: 0937563 Date Sampled: 27/07/2009 Date Tested: 03/08/2009 Sampled By: G.A.P Sample Method: - Material Source: Insitu For Use As: Bedding Remarks: Sample mass received does not meet the requirements of the test method.	Job Number: 077632049 Report Number: 077632049 - 62 Report Date: 20/08/2009 <p style="text-align: center;">Page 10 of 30</p> Sample Location CRTP02A 0.0 - 0.1m
--	---

<p>Test Method: AS1289.3.6.1</p> 	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">A.S. Sieve Sizes</th> <th style="text-align: center;">Percent Passing</th> </tr> </thead> <tbody> <tr><td>75.00 mm</td><td></td></tr> <tr><td>53.00 mm</td><td></td></tr> <tr><td>37.50 mm</td><td></td></tr> <tr><td>26.50 mm</td><td></td></tr> <tr><td>19.00 mm</td><td></td></tr> <tr><td>13.2 mm</td><td></td></tr> <tr><td>9.50 mm</td><td style="text-align: center;">100</td></tr> <tr><td>4.75 mm</td><td style="text-align: center;">98</td></tr> <tr><td>2.36 mm</td><td style="text-align: center;">88</td></tr> <tr><td>1.18 mm</td><td style="text-align: center;">61</td></tr> <tr><td>0.600 mm</td><td style="text-align: center;">24</td></tr> <tr><td>0.425 mm</td><td style="text-align: center;">10</td></tr> <tr><td>0.300 mm</td><td style="text-align: center;">3</td></tr> <tr><td>0.150 mm</td><td style="text-align: center;">1</td></tr> <tr><td>0.075 mm</td><td style="text-align: center;">1</td></tr> <tr><td>Moisture Content (%)</td><td></td></tr> </tbody> </table>	A.S. Sieve Sizes	Percent Passing	75.00 mm		53.00 mm		37.50 mm		26.50 mm		19.00 mm		13.2 mm		9.50 mm	100	4.75 mm	98	2.36 mm	88	1.18 mm	61	0.600 mm	24	0.425 mm	10	0.300 mm	3	0.150 mm	1	0.075 mm	1	Moisture Content (%)	
A.S. Sieve Sizes	Percent Passing																																		
75.00 mm																																			
53.00 mm																																			
37.50 mm																																			
26.50 mm																																			
19.00 mm																																			
13.2 mm																																			
9.50 mm	100																																		
4.75 mm	98																																		
2.36 mm	88																																		
1.18 mm	61																																		
0.600 mm	24																																		
0.425 mm	10																																		
0.300 mm	3																																		
0.150 mm	1																																		
0.075 mm	1																																		
Moisture Content (%)																																			

Visual Classification:



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Approved Signatory

James Angus

James Angus

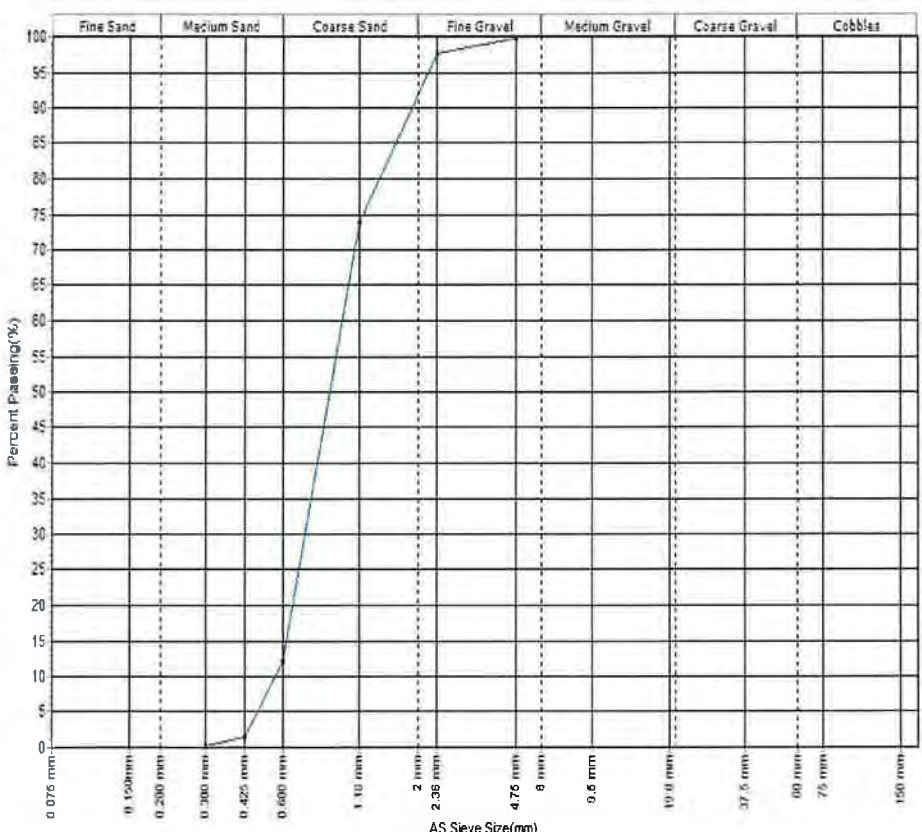
NATA Accred No:1446

Form Number

R77-RL-2

Particle Size Distribution Report

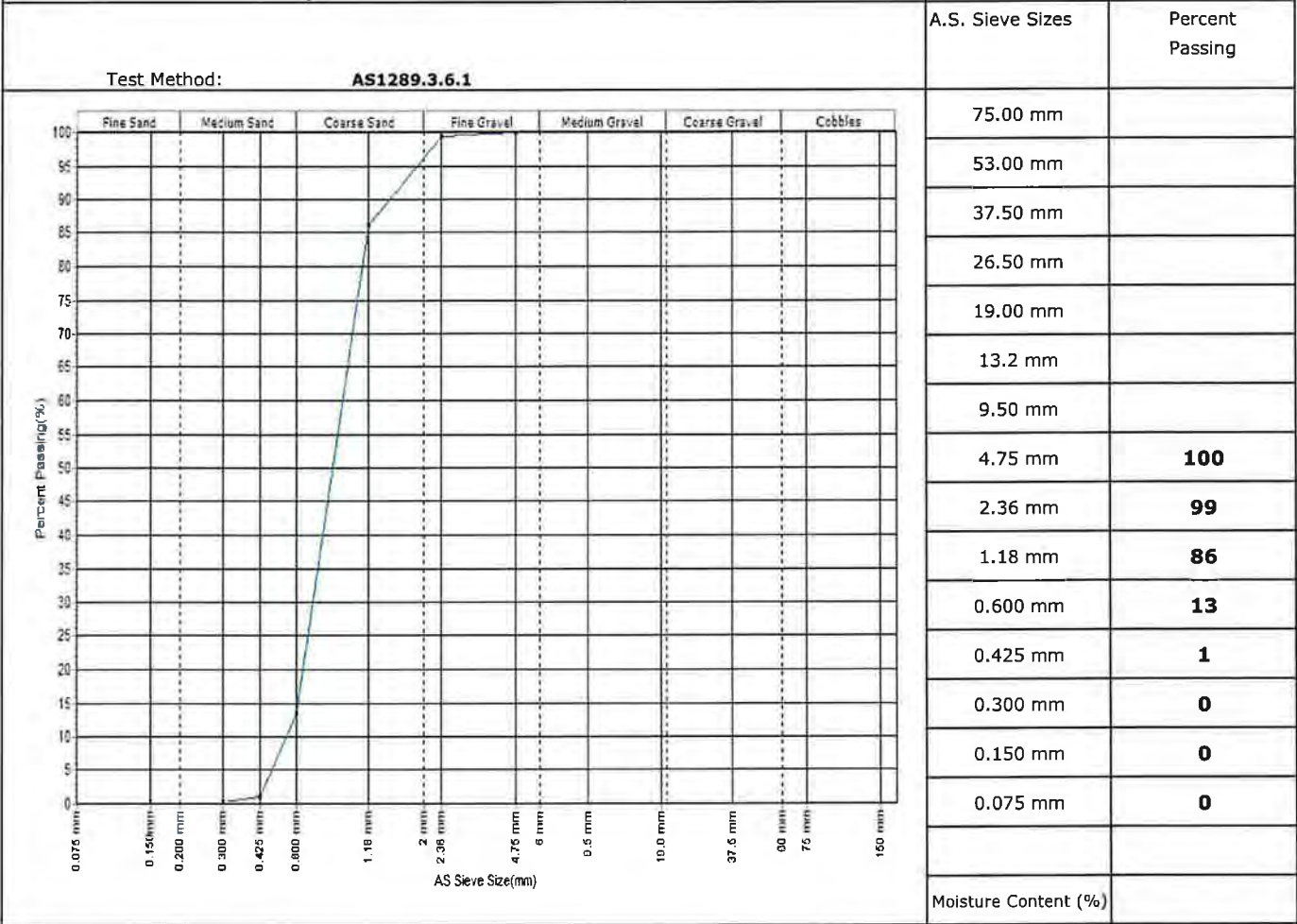
Client: Sunwater	Job Number: 077632049
Client Address: PO Box 15536 City East Qld 4002	Report Number: 077632049 - 62
Project: Connors River Dam and Pipeline	Report Date: 20/08/2009
Location: Connors River , Collaroy	Page 11 of 30
Lab No: 0937564	Sample Location
Date Sampled: 27/07/2009	C RTP05
Date Tested: 03/08/2009	0.0 - 0.1m
Sampled By: G.A.P	
Sample Method: -	
Material Source: Insitu	
For Use As: Bedding	
Remarks: Sample mass received does not meet the requirements of the test method.	

	A.S. Sieve Sizes	Percent Passing
Test Method: AS1289.3.6.1		
	75.00 mm	
	53.00 mm	
	37.50 mm	
	26.50 mm	
	19.00 mm	
	13.2 mm	
	9.50 mm	
	4.75 mm	100
	2.36 mm	98
	1.18 mm	74
	0.600 mm	12
	0.425 mm	2
	0.300 mm	0
	0.150 mm	0
	0.075 mm	0
	Moisture Content (%)	

Visual Classification:

Particle Size Distribution Report

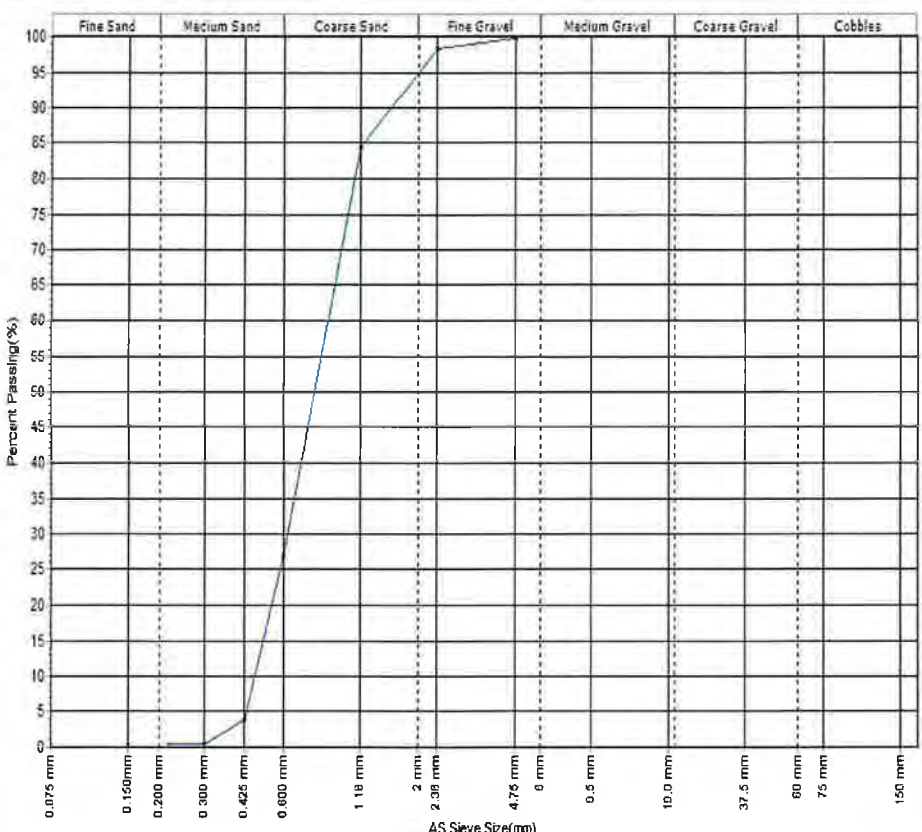
Client: Sunwater	Job Number: 077632049
Client Address: PO Box 15536 City East Qld 4002	Report Number: 077632049 - 62
Project: Connors River Dam and Pipeline	Report Date: 20/08/2009
Location: Connors River , Collaroy	Page 12 of 30
Lab No: 0937565	Sample Location CRTP06 0.0 - 0.1m
Date Sampled: 27/07/2009	
Date Tested: 03/08/2009	
Sampled By: G.A.P	
Sample Method: -	
Material Source: Insitu	
For Use As: Bedding	
Remarks: Sample mass received does not meet the requirements of the test method.	



Visual Classification:

Particle Size Distribution Report

Client: Sunwater	Job Number: 077632049
Client Address: PO Box 15536 City East Qld 4002	Report Number: 077632049 - 62
Project: Connors River Dam and Pipeline	Report Date: 20/08/2009
Location: Connors River , Collaroy	Page 13 of 30
Lab No: 0937566	Sample Location
Date Sampled: 27/07/2009	CRTP07
Date Tested: 03/08/2009	0.0 - 0.1m
Sampled By: G.A.P	
Sample Method: -	
Material Source: Insitu	
For Use As: Bedding	
Remarks: Sample mass received does not meet the requirements of the test method.	

	A.S. Sieve Sizes	Percent Passing
Test Method: AS1289.3.6.1		
	75.00 mm	
	53.00 mm	
	37.50 mm	
	26.50 mm	
	19.00 mm	
	13.2 mm	
	9.50 mm	
	4.75 mm	100
	2.36 mm	98
	1.18 mm	84
	0.600 mm	27
	0.425 mm	4
	0.300 mm	1
	0.150 mm	0
	0.075 mm	0
	Moisture Content (%)	

Visual Classification:



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Approved Signatory



James Angus

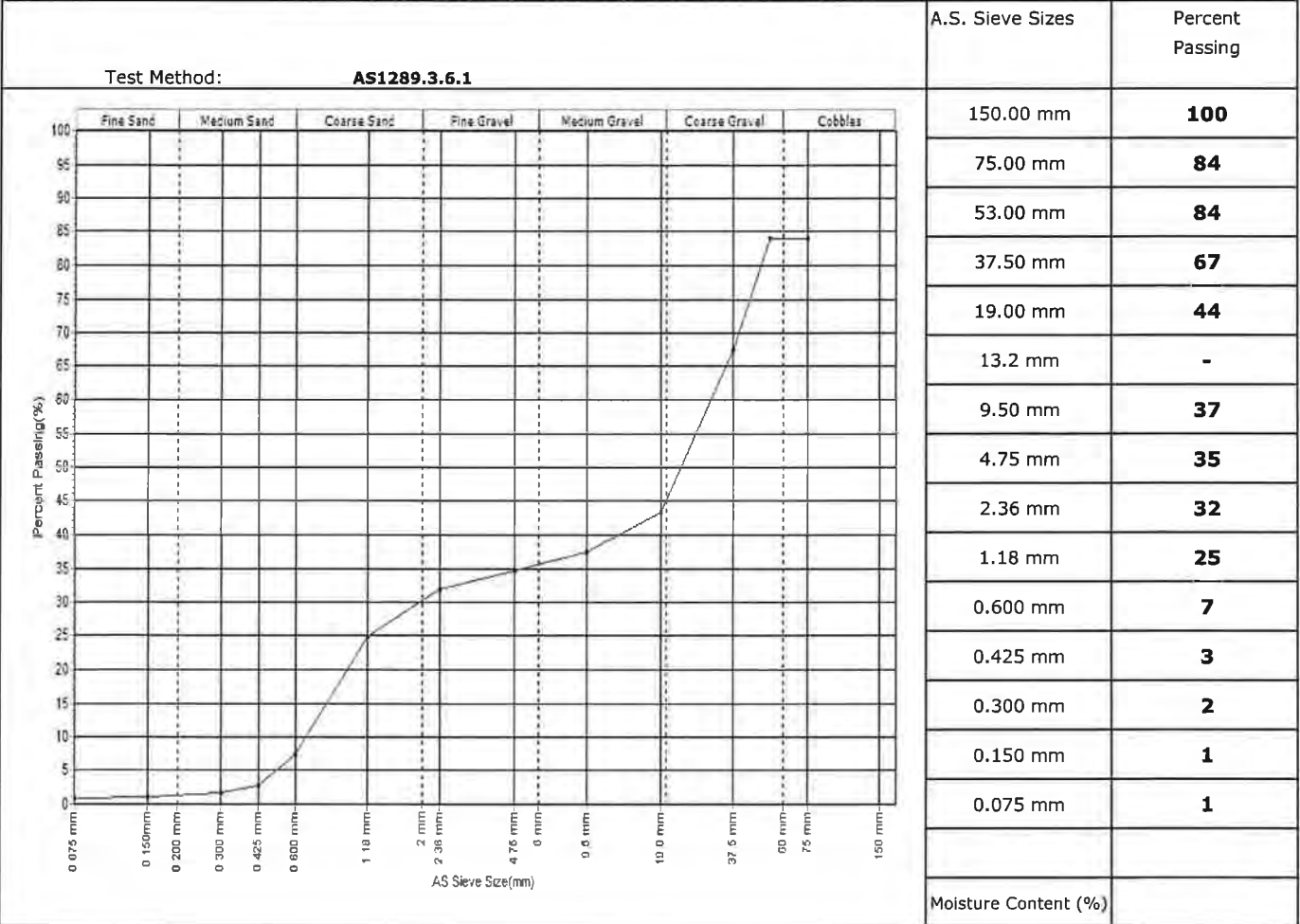
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Form Number

R77-RL-2

Particle Size Distribution Report

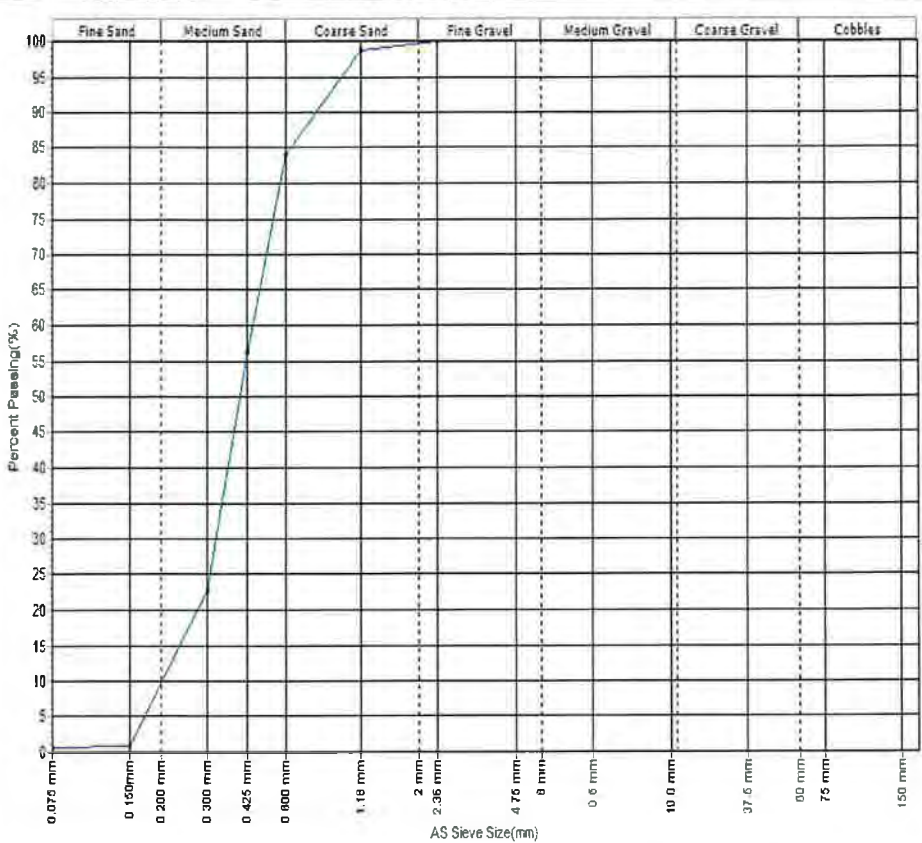
Client: Sunwater	Job Number: 077632049
Client Address: PO Box 15536 City East Qld 4002	Report Number: 077632049 - 62
Project: Connors River Dam and Pipeline	Report Date: 20/08/2009
Location: Connors River , Collaroy	Page 14 of 30
Lab No: 0937567	Sample Location CRTP07 1.0 - 1.1m
Date Sampled: 27/07/2009	
Date Tested: 03/08/2009	
Sampled By: G.A.P	
Sample Method: -	
Material Source: Insitu	
For Use As: Bedding	
Remarks: Sample mass received does not meet the requirements of the test method.	



Visual Classification:

Particle Size Distribution Report

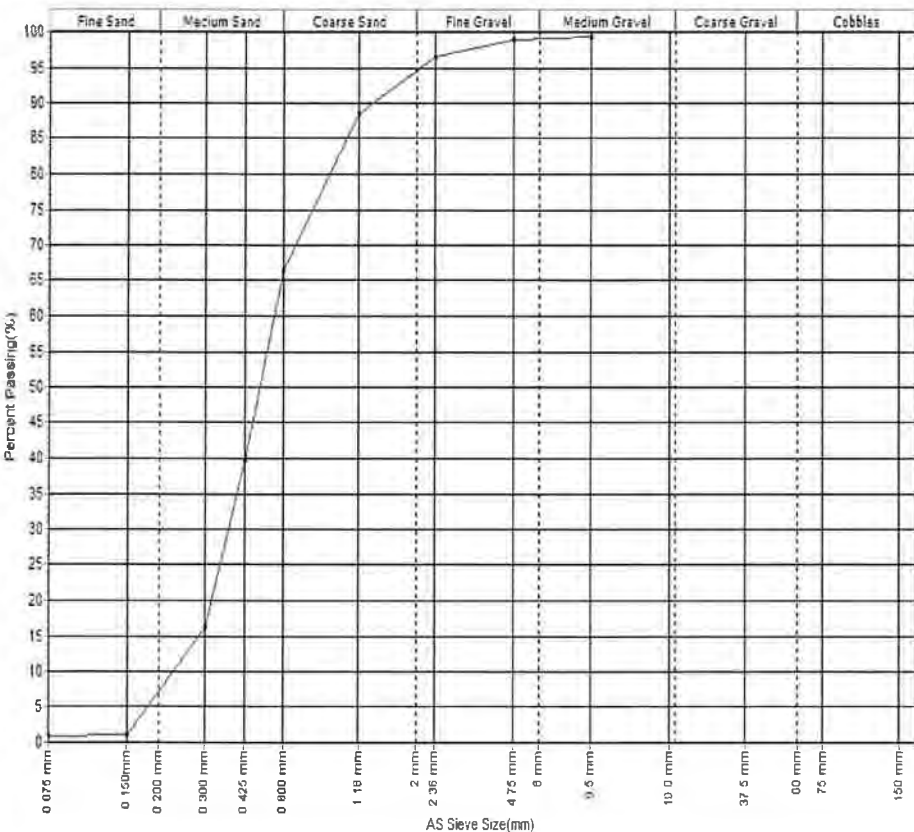
Client: Sunwater	Job Number: 077632049
Client Address: PO Box 15536 City East Qld 4002	Report Number: 077632049 - 62
Project: Connors River Dam and Pipeline	Report Date: 20/08/2009
Location: Connors River , Collaroy	Page 15 of 30
Lab No: 0937568	Sample Location IRTP 02 0.0 - 0.1m
Date Sampled: 27/07/2009	
Date Tested: 03/08/2009	
Sampled By: G.A.P	
Sample Method: -	
Material Source: Insitu	
For Use As: Bedding	
Remarks: Sample mass received does not meet the requirements of the test method.	

	A.S. Sieve Sizes	Percent Passing
Test Method: AS1289.3.6.1		
	75.00 mm	
	53.00 mm	
	37.50 mm	
	26.50 mm	
	19.00 mm	
	13.2 mm	
	9.50 mm	
	4.75 mm	
	2.36 mm	100
	1.18 mm	99
	0.600 mm	84
	0.425 mm	56
	0.300 mm	23
	0.150 mm	1
	0.075 mm	1
	Moisture Content (%)	

Visual Classification:

Particle Size Distribution Report

Client: Sunwater Client Address: PO Box 15536 City East Qld 4002 Project: Connors River Dam and Pipeline Location: Connors River, Collaroy	Job Number: 077632049 Report Number: 077632049 - 62 Report Date: 20/08/2009 <p style="text-align: center;">Page 16 of 30</p>
Lab No: 0937569 Date Sampled: 27/07/2009 Date Tested: 03/08/2009 Sampled By: G.A.P Sample Method: - Material Source: Insitu For Use As: Bedding	Sample Location IRTP04 1.2 - 1.3m
Remarks: Sample mass received does not meet the requirements of the test method.	

Test Method: AS1289.3.6.1	A.S. Sieve Sizes	Percent Passing
	75.00 mm	
	53.00 mm	
	37.50 mm	
	26.50 mm	
	19.00 mm	
	13.2 mm	100
	9.50 mm	99
	4.75 mm	99
	2.36 mm	97
	1.18 mm	88
	0.600 mm	66
	0.425 mm	40
	0.300 mm	16
0.150 mm	1	
0.075 mm	1	
	Moisture Content (%)	

Visual Classification:



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Approved Signatory

James Angus

James Angus

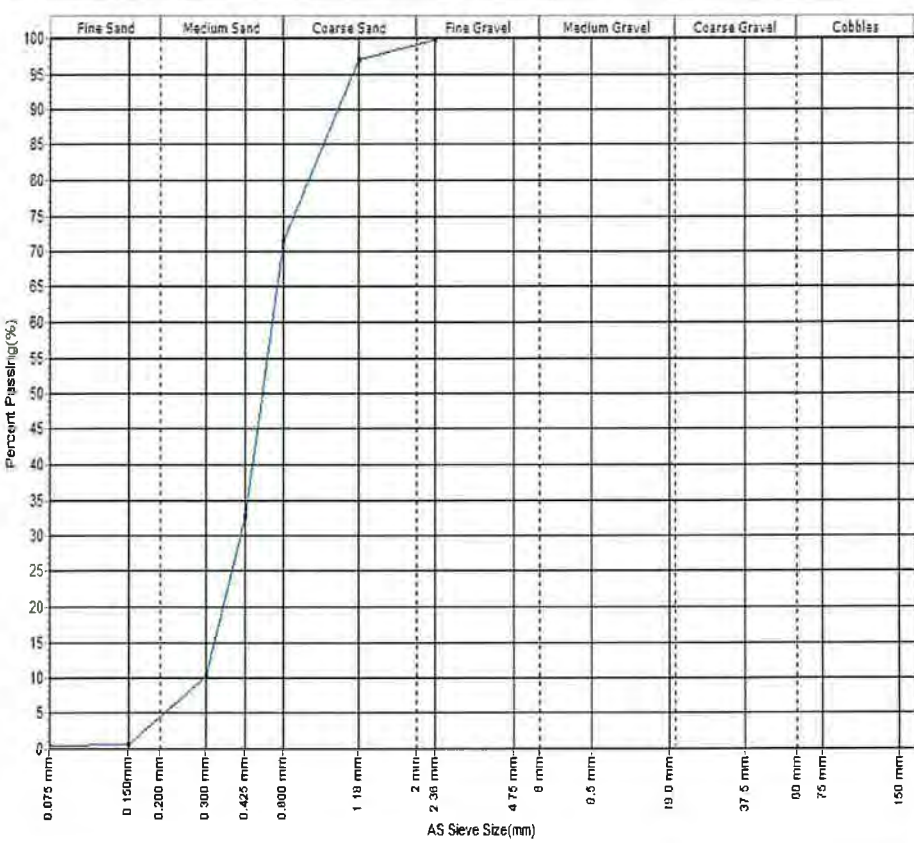
NATA Accred No:1446

Form Number

R77-RL-2

Particle Size Distribution Report

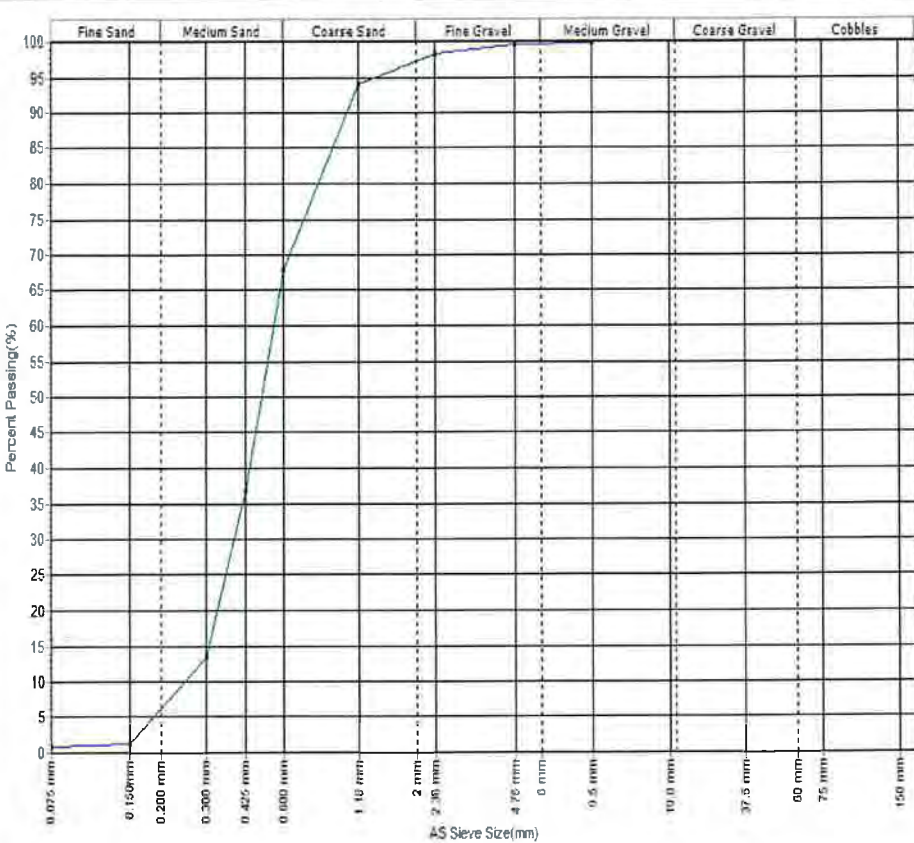
Client: Sunwater	Job Number: 077632049
Client Address: PO Box 15536 City East Qld 4002	Report Number: 077632049 - 62
Project: Connors River Dam and Pipeline	Report Date: 20/08/2009
Location: Connors River , Collaroy	Page 17 of 30
Lab No: 0937570	Sample Location IRTP06 0.0 - 0.1m
Date Sampled: 27/07/2009	
Date Tested: 03/08/2009	
Sampled By: G.A.P	
Sample Method: -	
Material Source: Insitu	
For Use As: Bedding	
Remarks: Sample mass received does not meet the requirements of the test method.	

	A.S. Sieve Sizes	Percent Passing
Test Method: AS1289.3.6.1		
	75.00 mm	
	53.00 mm	
	37.50 mm	
	26.50 mm	
	19.00 mm	
	13.2 mm	
	9.50 mm	
	4.75 mm	
	2.36 mm	100
	1.18 mm	97
	0.600 mm	72
	0.425 mm	33
	0.300 mm	10
	0.150 mm	1
0.075 mm	0	
	Moisture Content (%)	

Visual Classification:

Particle Size Distribution Report

Client: Sunwater Client Address: PO Box 15536 City East Qld 4002 Project: Connors River Dam and Pipeline Location: Connors River , Collaroy	Job Number: 077632049 Report Number: 077632049 - 62 Report Date: 20/08/2009 <p style="text-align: center;">Page 18 of 30</p>
Lab No: 0937571 Date Sampled: 27/07/2009 Date Tested: 03/08/2009 Sampled By: G.A.P Sample Method: - Material Source: Insitu For Use As: Bedding Remarks: Sample mass received does not meet the requirements of the test method.	Sample Location IRTP07 0.8 - 0.9m

	A.S. Sieve Sizes	Percent Passing
Test Method: AS1289.3.6.1 	75.00 mm	
	53.00 mm	
	37.50 mm	
	26.50 mm	
	19.00 mm	
	13.2 mm	
	9.50 mm	100
	4.75 mm	99
	2.36 mm	98
	1.18 mm	94
	0.600 mm	68
	0.425 mm	37
	0.300 mm	14
	0.150 mm	1
	0.075 mm	1
	Moisture Content (%)	

Visual Classification:



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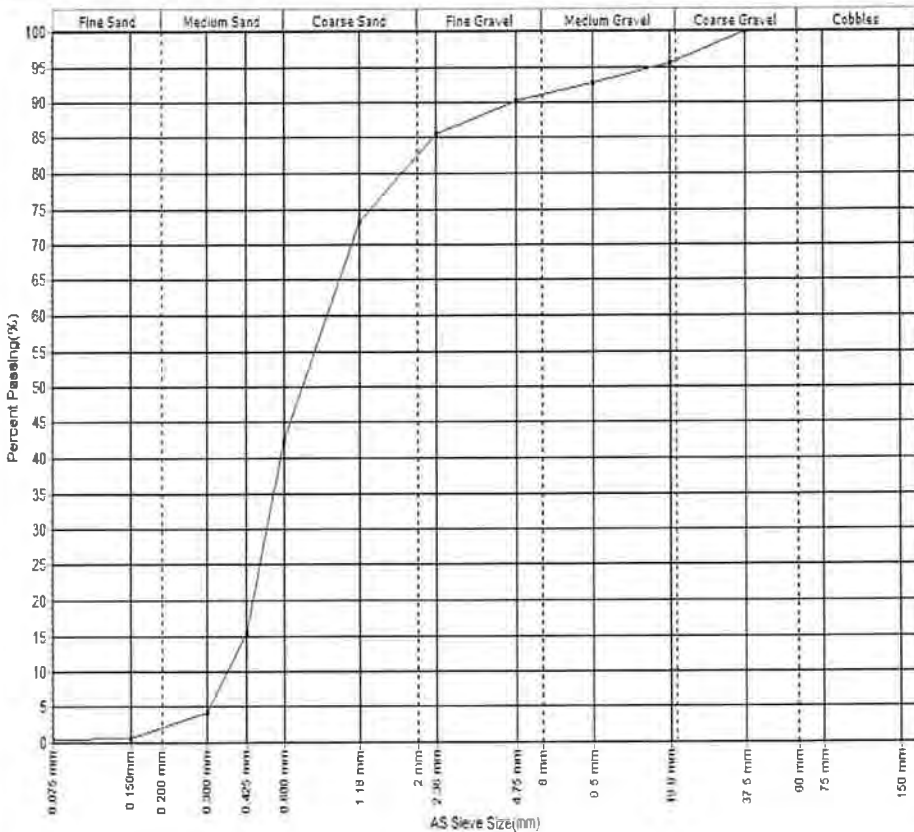
Approved Signatory

James Angus
NATA Accred No:1446

Form Number
R77-RL-2

Particle Size Distribution Report

Client: Sunwater Client Address: PO Box 15536 City East Qld 4002 Project: Connors River Dam and Pipeline Location: Connors River , Collaroy	Job Number: 077632049 Report Number: 077632049 - 62 Report Date: 20/08/2009 <p style="text-align: center;">Page 19 of 30</p>
Lab No: 0937572 Date Sampled: 27/07/2009 Date Tested: 03/08/2009 Sampled By: G.A.P Sample Method: - Material Source: Insitu For Use As: Bedding Remarks: Sample mass received does not meet the requirements of the test method.	Sample Location IRTP08 1.5 - 1.6m


	A.S. Sieve Sizes	Percent Passing
Test Method: AS1289.3.6.1 	75.00 mm	
	53.00 mm	
	37.50 mm	100
	26.50 mm	-
	19.00 mm	96
	13.2 mm	-
	9.50 mm	93
	4.75 mm	90
	2.36 mm	86
	1.18 mm	73
	0.600 mm	43
	0.425 mm	15
	0.300 mm	4
	0.150 mm	1
	0.075 mm	0
	Moisture Content (%)	

Visual Classification:



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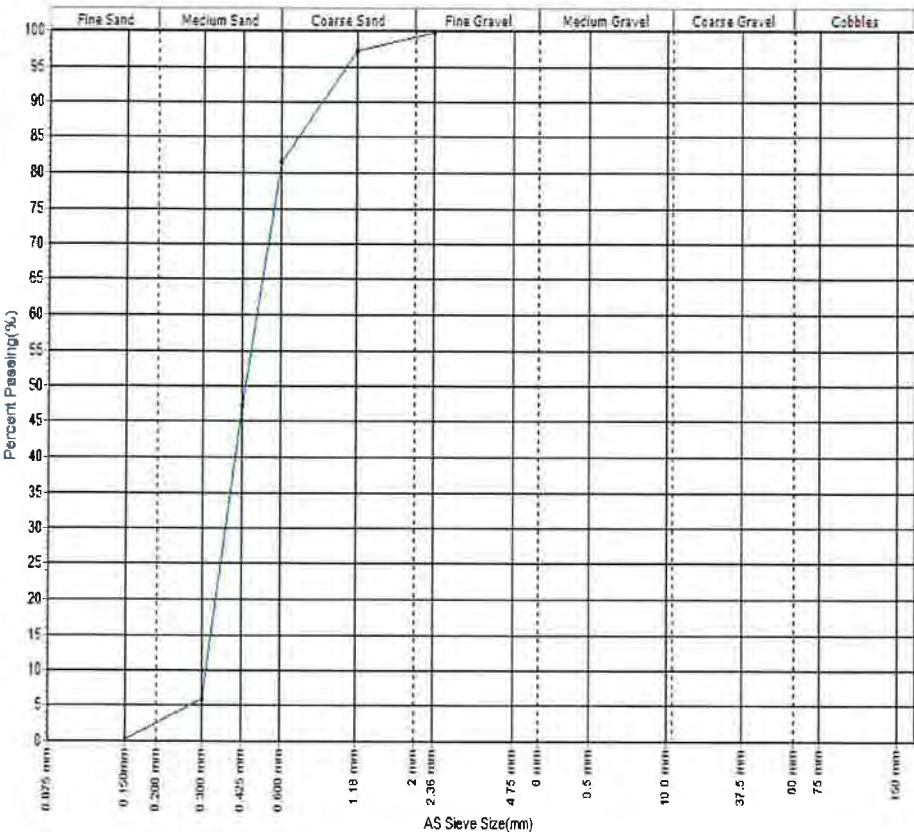

James Angus
NATA Accred No:1446

Form Number

R77-RL-2

Particle Size Distribution Report

Client: Sunwater Client Address: PO Box 15536 City East Qld 4002 Project: Connors River Dam and Pipeline Location: Connors River, Collaroy	Job Number: 077632049 Report Number: 077632049 - 62 Report Date: 20/08/2009 <p style="text-align: center;">Page 20 of 30</p>
Lab No: 0937573 Date Sampled: 27/07/2009 Date Tested: 03/08/2009 Sampled By: G.A.P Sample Method: - Material Source: Insitu For Use As: Bedding	Sample Location IRTP12 0.0 - 0.1m
Remarks: Sample mass received does not meet the requirements of the test method.	

	A.S. Sieve Sizes	Percent Passing
Test Method: AS1289.3.6.1	75.00 mm	
 <p style="text-align: center;">AS Sieve Size(mm)</p>	53.00 mm	
	37.50 mm	
	26.50 mm	
	19.00 mm	
	13.2 mm	
	9.50 mm	
	4.75 mm	
	2.36 mm	100
	1.18 mm	97
	0.600 mm	82
	0.425 mm	47
	0.300 mm	6
	0.150 mm	0
0.075 mm	0	
	Moisture Content (%)	

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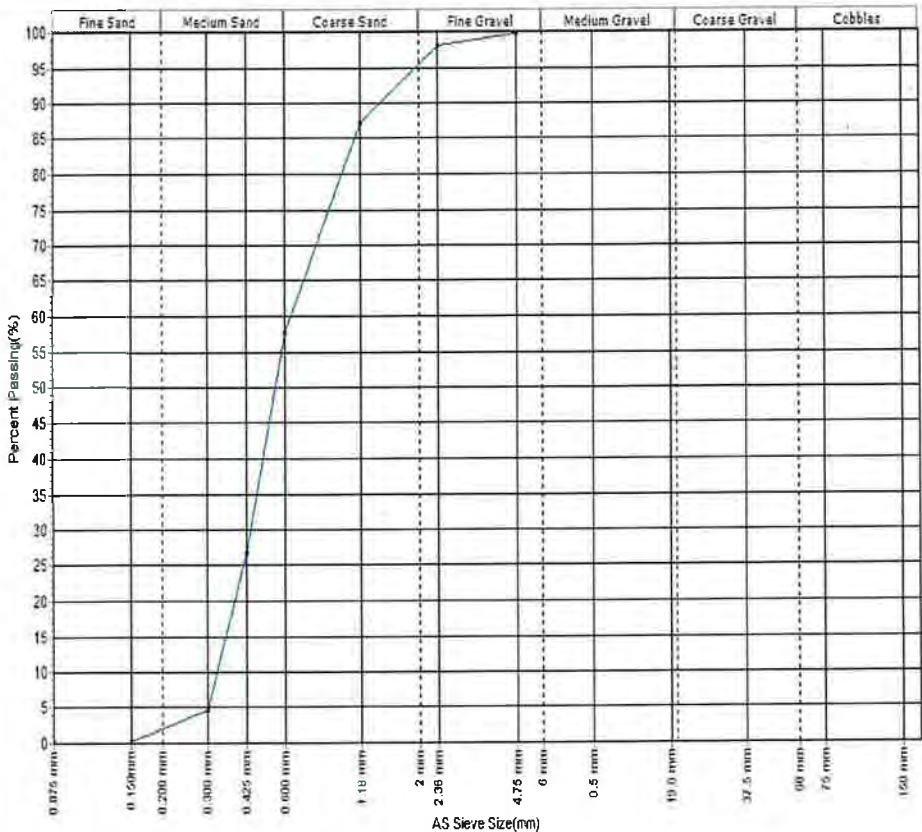
NATA Accred No:1446

Form Number

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Particle Size Distribution Report

Client: Sunwater Client Address: PO Box 15536 City East Qld 4002 Project: Connors River Dam and Pipeline Location: Connors River , Collaroy	Job Number: 077632049 Report Number: 077632049 - 62 Report Date: 20/08/2009 <p style="text-align: center;">Page 21 of 30</p>
Lab No: 0937574 Date Sampled: 27/07/2009 Date Tested: 03/08/2009 Sampled By: G.A.P Sample Method: - Material Source: Insitu For Use As: Bedding Remarks: Sample mass received does not meet the requirements of the test method.	Sample Location BCAH01 0.0 - 0.1m

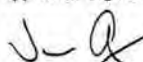
	A.S. Sieve Sizes	Percent Passing
<p>Test Method: AS1289.3.6.1</p> 	75.00 mm	
	53.00 mm	
	37.50 mm	
	26.50 mm	
	19.00 mm	
	13.2 mm	
	9.50 mm	
	4.75 mm	100
	2.36 mm	98
	1.18 mm	87
	0.600 mm	58
	0.425 mm	27
	0.300 mm	5
	0.150 mm	0
	0.075 mm	0
	Moisture Content (%)	

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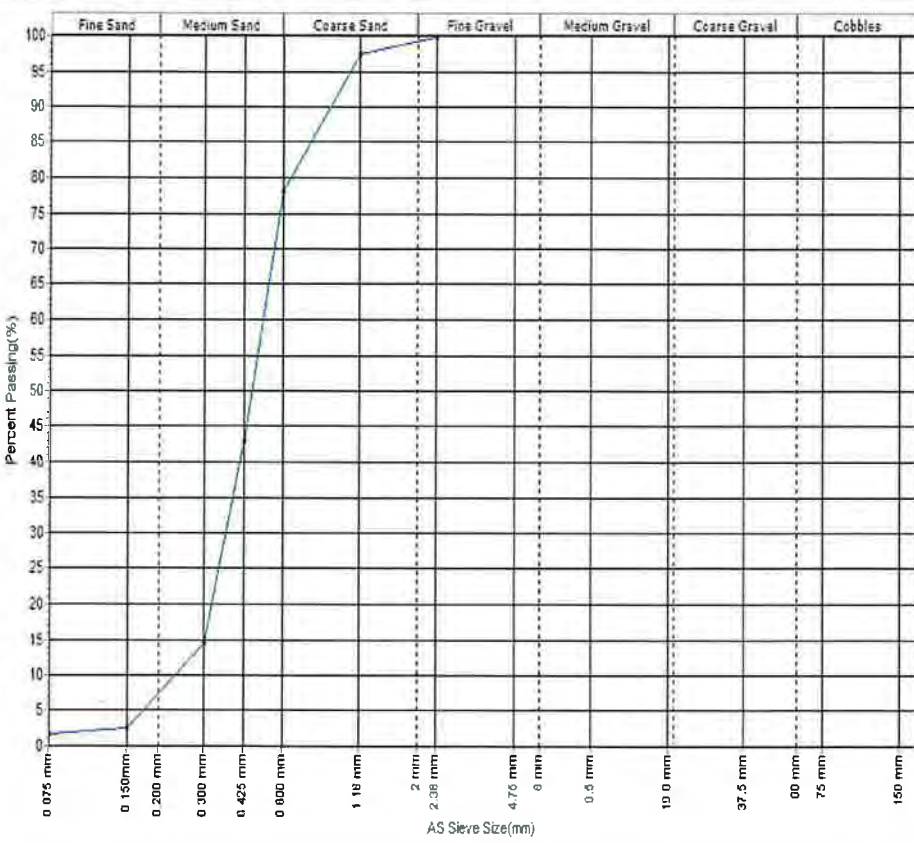
NATA Accred No:1446

Form Number

R77-RL-2

Particle Size Distribution Report

Client: Sunwater Client Address: PO Box 15536 City East Qld 4002 Project: Connors River Dam and Pipeline Location: Connors River , Collaroy	Job Number: 077632049 Report Number: 077632049 - 62 Report Date: 20/08/2009 Page 22 of 30
Lab No: 0937575 Date Sampled: 27/07/2009 Date Tested: 03/08/2009 Sampled By: G.A.P Sample Method: - Material Source: Insitu For Use As: Bedding Remarks: Sample mass received does not meet the requirements of the test method.	Sample Location BCAH02 0.8 - 0.9m

	A.S. Sieve Sizes	Percent Passing
Test Method: AS1289.3.6.1		
	75.00 mm	
	53.00 mm	
	37.50 mm	
	26.50 mm	
	19.00 mm	
	13.2 mm	
	9.50 mm	
	4.75 mm	
	2.36 mm	100
	1.18 mm	97
	0.600 mm	78
	0.425 mm	43
	0.300 mm	15
	0.150 mm	2
0.075 mm	2	
	Moisture Content (%)	

Visual Classification:



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Approved Signatory

James Angus
James Angus

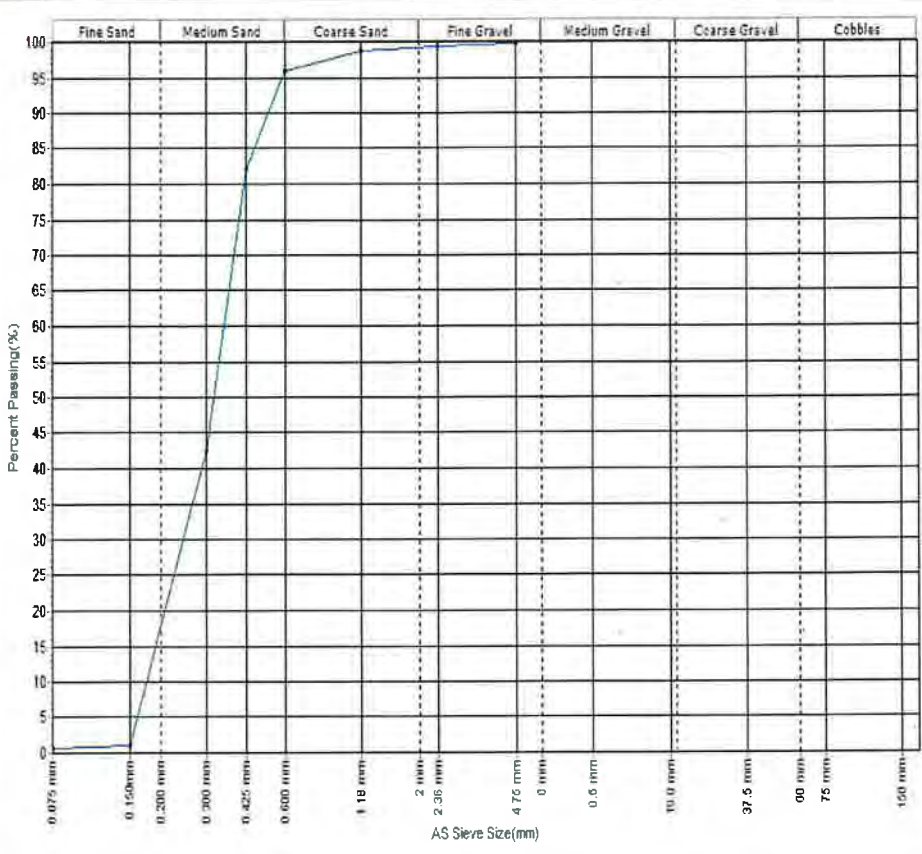
NATA Accred No:1446

Form Number

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Particle Size Distribution Report

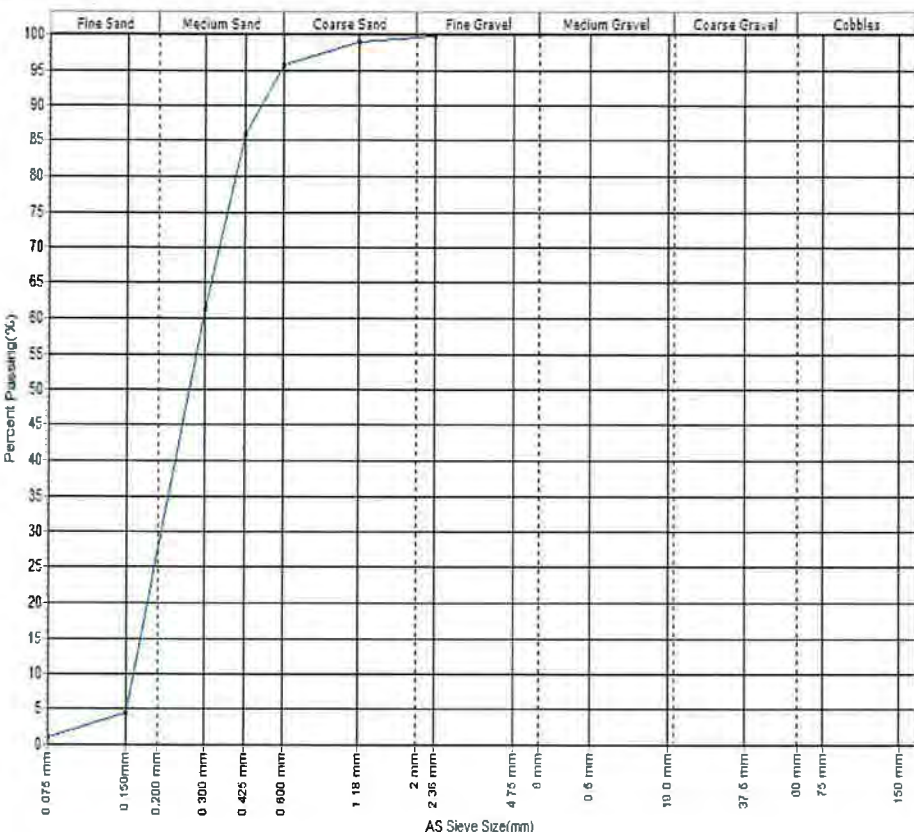
Client: Sunwater Client Address: PO Box 15536 City East Qld 4002 Project: Connors River Dam and Pipeline Location: Connors River, Collaroy	Job Number: 077632049 Report Number: 077632049 - 62 Report Date: 20/08/2009 <p style="text-align: center;">Page 23 of 30</p>
Lab No: 0937576 Date Sampled: 27/07/2009 Date Tested: 03/08/2009 Sampled By: G.A.P Sample Method: - Material Source: Insitu For Use As: Bedding Remarks: Sample mass received does not meet the requirements of the test method.	Sample Location BCAH03 0.4 - 0.5m

	A.S. Sieve Sizes	Percent Passing
Test Method: AS1289.3.6.1 		
	75.00 mm	
	53.00 mm	
	37.50 mm	
	26.50 mm	
	19.00 mm	
	13.2 mm	
	9.50 mm	
	4.75 mm	100
	2.36 mm	99
	1.18 mm	99
	0.600 mm	96
	0.425 mm	82
	0.300 mm	43
	0.150 mm	1
	0.075 mm	1
	Moisture Content (%)	

Visual Classification:

Particle Size Distribution Report

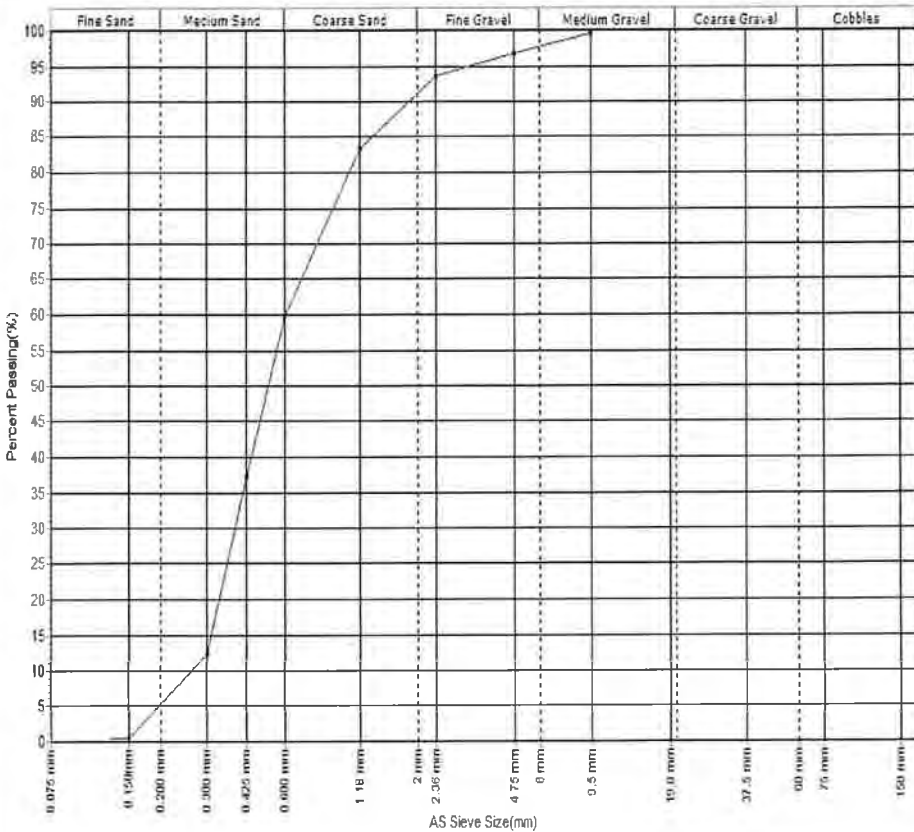
Client: Sunwater Client Address: PO Box 15536 City East Qld 4002 Project: Connors River Dam and Pipeline Location: Connors River, Collaroy	Job Number: 077632049 Report Number: 077632049 - 62 Report Date: 20/08/2009 <p style="text-align: center;">Page 24 of 30</p>
Lab No: 0937577 Date Sampled: 27/07/2009 Date Tested: 03/08/2009 Sampled By: G.A.P Sample Method: - Material Source: Insitu For Use As: Bedding	Sample Location HCAH02 0.2 - 0.3m
Remarks: Sample mass received does not meet the requirements of the test method.	

	A.S. Sieve Sizes	Percent Passing
Test Method: AS1289.3.6.1	75.00 mm	
 <p style="text-align: center;">AS Sieve Size(mm)</p>	53.00 mm	
	37.50 mm	
	26.50 mm	
	19.00 mm	
	13.2 mm	
	9.50 mm	
	4.75 mm	
	2.36 mm	100
	1.18 mm	99
	0.600 mm	96
	0.425 mm	86
	0.300 mm	61
	0.150 mm	4
	0.075 mm	1
		Moisture Content (%)

Visual Classification:

Particle Size Distribution Report

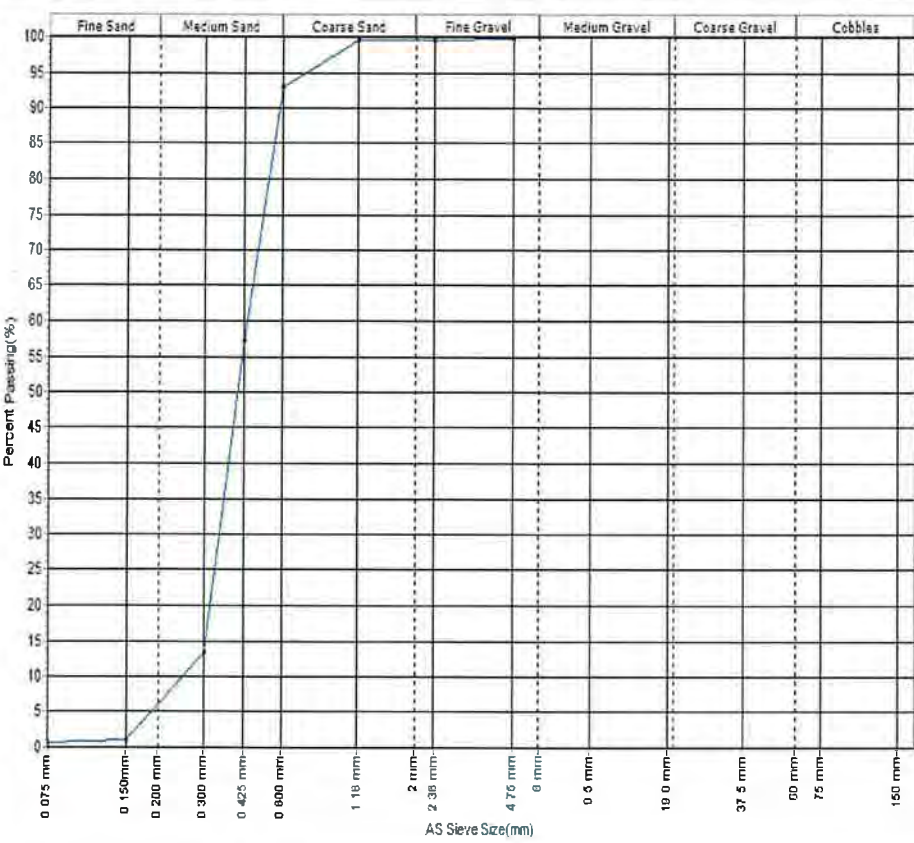
Client: Sunwater Client Address: PO Box 15536 City East Qld 4002 Project: Connors River Dam and Pipeline Location: Connors River , Collaroy	Job Number: 077632049 Report Number: 077632049 - 62 Report Date: 20/08/2009 <p style="text-align: center;">Page 25 of 30</p>
Lab No: 0937578 Date Sampled: 27/07/2009 Date Tested: 03/08/2009 Sampled By: G.A.P Sample Method: - Material Source: Insitu For Use As: Bedding Remarks: Sample mass received does not meet the requirements of the test method.	Sample Location HCAH03 0.4 - 0.5m

	A.S. Sieve Sizes	Percent Passing
Test Method: AS1289.3.6.1 	75.00 mm	
	53.00 mm	
	37.50 mm	
	26.50 mm	
	19.00 mm	
	13.2 mm	
	9.50 mm	100
	4.75 mm	97
	2.36 mm	94
	1.18 mm	83
	0.600 mm	60
	0.425 mm	37
	0.300 mm	12
	0.150 mm	0
	0.075 mm	0
	Moisture Content (%)	

Visual Classification:

Particle Size Distribution Report

Client: Sunwater	Job Number: 077632049
Client Address: PO Box 15536 City East Qld 4002	Report Number: 077632049 - 62
Project: Connors River Dam and Pipeline	Report Date: 20/08/2009
Location: Connors River , Collaroy	Page 26 of 30
Lab No: 0937579	Sample Location HCAH05 0.0 - 0.1m
Date Sampled: 27/07/2009	
Date Tested: 03/08/2009	
Sampled By: G.A.P	
Sample Method: -	
Material Source: Insitu	
For Use As: Bedding	
Remarks: Sample mass received does not meet the requirements of the test method.	

	A.S. Sieve Sizes	Percent Passing
Test Method: AS1289.3.6.1		
 <p style="text-align: center;">AS Sieve Size(mm)</p>	75.00 mm	
	53.00 mm	
	37.50 mm	
	26.50 mm	
	19.00 mm	
	13.2 mm	
	9.50 mm	
	4.75 mm	
	2.36 mm	
	1.18 mm	100
	0.600 mm	93
	0.425 mm	57
	0.300 mm	13
0.150 mm	1	
0.075 mm	1	
	Moisture Content (%)	

Visual Classification:

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 (MANSFIELD LABORATORY)
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 ABN: 64 006 107 857



Telephone: (61-7) 3343 3166
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Particle Size Distribution Report

Client: Sunwater	Job Number: 077632049
Client Address: PO Box 15536 City East Qld 4002	Report Number: 077632049 - 62
Project: Connors River Dam and Pipeline	Report Date: 20/08/2009
Location: Connors River , Collaroy	Page 27 of 30
Lab No: 0937580	Sample Location NCAH01 0.8 - 0.9m
Date Sampled: 27/07/2009	
Date Tested: 03/08/2009	
Sampled By: G.A.P	
Sample Method: -	
Material Source: Insitu	
For Use As: Bedding	
Remarks: Sample mass received does not meet the requirements of the test method.	

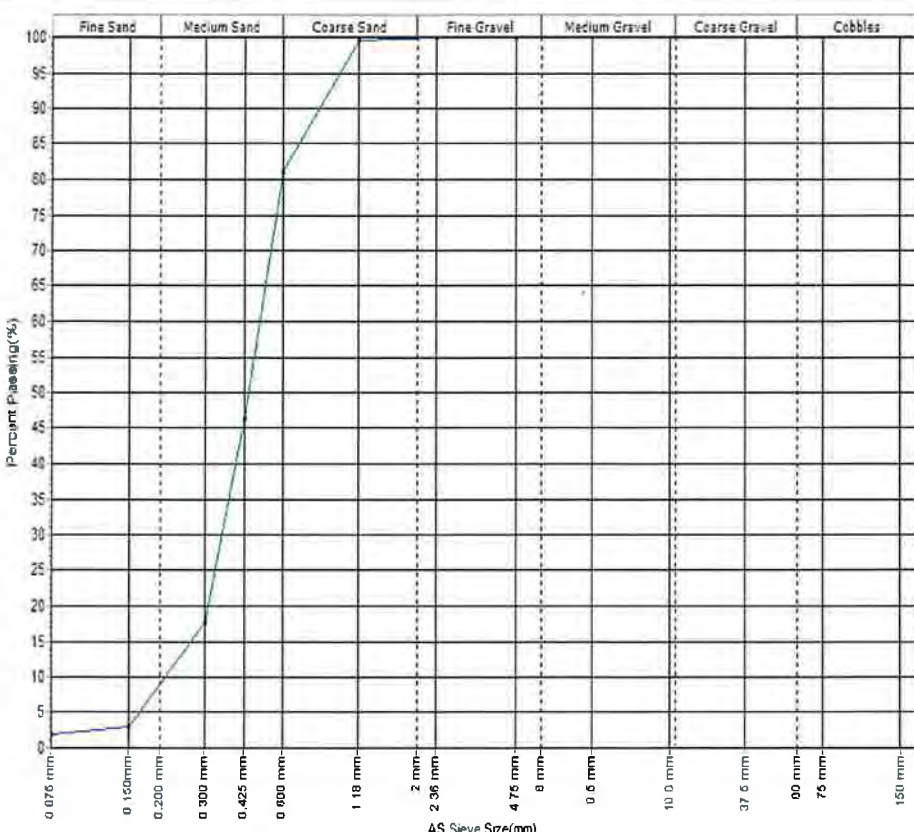
	A.S. Sieve Sizes	Percent Passing
Test Method: AS1289.3.6.1	75.00 mm	
	53.00 mm	
	37.50 mm	
	26.50 mm	
	19.00 mm	
	13.2 mm	
	9.50 mm	
	4.75 mm	100
	2.36 mm	98
	1.18 mm	93
	0.600 mm	72
	0.425 mm	43
	0.300 mm	20
	0.150 mm	4
0.075 mm	3	
	Moisture Content (%)	

Visual Classification:

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Particle Size Distribution Report

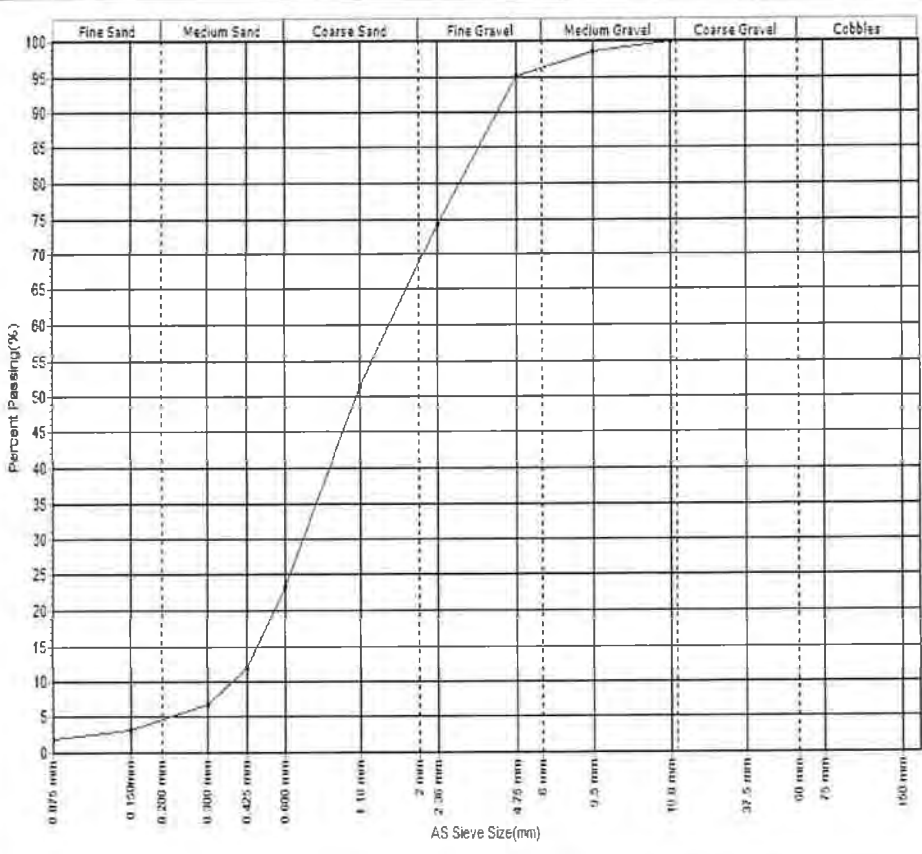
Client: Sunwater Client Address: PO Box 15536 City East Qld 4002 Project: Connors River Dam and Pipeline Location: Connors River , Collaroy	Job Number: 077632049 Report Number: 077632049 - 62 Report Date: 20/08/2009 <p style="text-align: center;">Page 28 of 30</p>
Lab No: 0937581 Date Sampled: 27/07/2009 Date Tested: 03/08/2009 Sampled By: G.A.P Sample Method: - Material Source: Insitu For Use As: Bedding	Sample Location NCAH02 0.6 - 0.7m
Remarks: Sample mass received does not meet the requirements of the test method.	

	A.S. Sieve Sizes	Percent Passing
Test Method: AS1289.3.6.1	75.00 mm	
 <p style="text-align: center;">AS Sieve Size(mm)</p>	53.00 mm	
	37.50 mm	
	26.50 mm	
	19.00 mm	
	13.2 mm	
	9.50 mm	
	4.75 mm	
	2.36 mm	
	1.18 mm	100
	0.600 mm	81
	0.425 mm	46
	0.300 mm	18
	0.150 mm	3
0.075 mm	2	
	Moisture Content (%)	

Visual Classification:

Particle Size Distribution Report

Client: Sunwater Client Address: PO Box 15536 City East Qld 4002 Project: Connors River Dam and Pipeline Location: Connors River , Collaroy	Job Number: 077632049 Report Number: 077632049 - 62 Report Date: 20/08/2009 <p style="text-align: center;">Page 29 of 30</p>
Lab No: 0937582 Date Sampled: 27/07/2009 Date Tested: 03/08/2009 Sampled By: G.A.P Sample Method: - Material Source: Insitu For Use As: Bedding Remarks: Sample mass received does not meet the requirements of the test method.	Sample Location DCAH01 0.4 - 0.5m

	A.S. Sieve Sizes	Percent Passing
Test Method: AS1289.3.6.1 	75.00 mm	
	53.00 mm	
	37.50 mm	
	26.50 mm	
	19.00 mm	100
	13.2 mm	-
	9.50 mm	99
	4.75 mm	95
	2.36 mm	74
	1.18 mm	51
	0.600 mm	23
	0.425 mm	12
	0.300 mm	7
	0.150 mm	3
	0.075 mm	2
	Moisture Content (%)	

Visual Classification:



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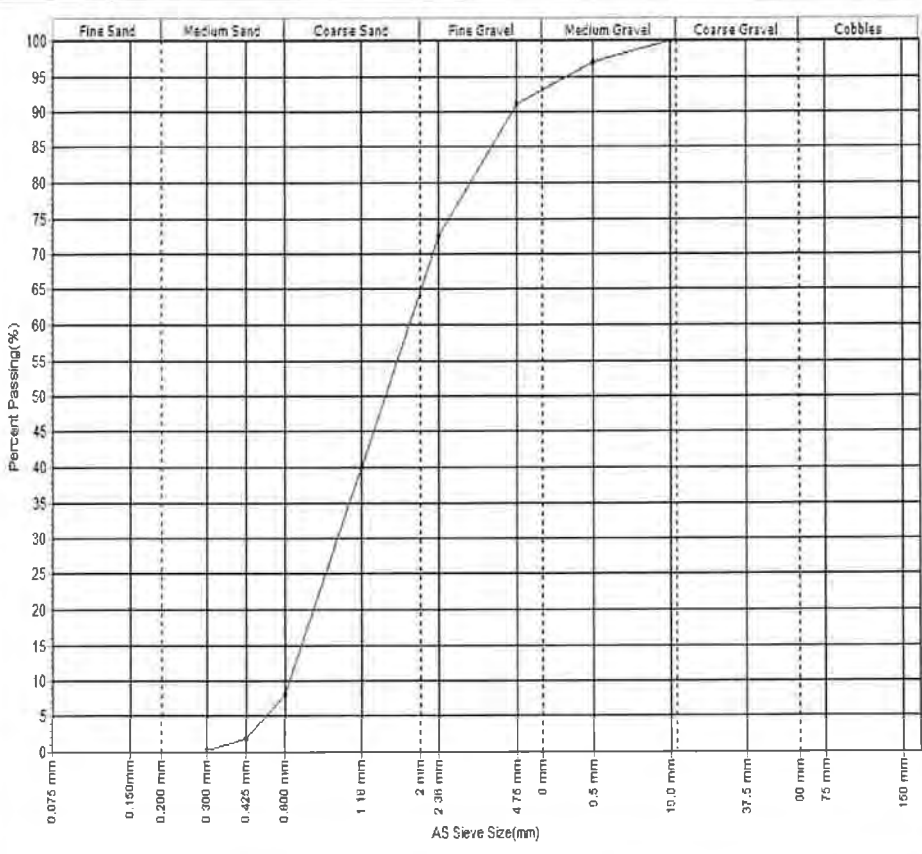
James Angus
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R77-RL-2

Particle Size Distribution Report

Client: Sunwater	Job Number: 077632049
Client Address: PO Box 15536 City East Qld 4002	Report Number: 077632049 - 62
Project: Connors River Dam and Pipeline	Report Date: 20/08/2009
Location: Connors River , Collaroy	Page 30 of 30
Lab No: 0937583	Sample Location DCAH03 0.8 - 0.9m
Date Sampled: 27/07/2009	
Date Tested: 03/08/2009	
Sampled By: G.A.P	
Sample Method: -	
Material Source: Insitu	
For Use As: Bedding	
Remarks: Sample mass received does not meet the requirements of the test method.	


	A.S. Sieve Sizes	Percent Passing
Test Method: AS1289.3.6.1		
	75.00 mm	
	53.00 mm	
	37.50 mm	
	26.50 mm	
	19.00 mm	100
	13.2 mm	-
	9.50 mm	97
	4.75 mm	91
	2.36 mm	73
	1.18 mm	40
	0.600 mm	8
	0.425 mm	2
	0.300 mm	0
	0.150 mm	0
	0.075 mm	0
	Moisture Content (%)	

Visual Classification:



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APPENDIX D

Limitations

LIMITATIONS

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