

RECEIVED  
10 APR 2006

BY: 405062

12 April 2006  
Job Number 5573

Geolyse  
PO Box 280  
TUNCURRY NSW 2428

**Attention: Dr Justin Meleo**

**RE: PARTICLE SIZE DISTRIBUTION TESTING  
WALLIS LAKE, YOUR REF: 405062-LEO-011**

Geotechnical Engineering  
Engineering Geology  
Hydrogeology  
Contaminated Site Assessment  
Contaminated Site Auditing  
Construction Materials Testing  
Construction Quality Control  
QMS Auditing

Please find attached results of Particle Size Distribution testing undertaken on materials from the above location. For more detailed material descriptions, please refer to table below:

RCA Sample No	Your Ref No	Material Description	RCA Report No
M623	Core 1	SAND, fine to medium grained, with a trace of silt and fine gravel, gravel comprises shells and shell fragments, brown with white shell fragments	5573/001
M624	Core 2	SAND, fine to medium grained, with a trace to some silt and a trace of fine gravel, gravel comprises shells and shell fragments, brown with white and grey shell fragments.	5573/002
M625	Core 3	SAND, fine to medium grained, with a trace of silt and a trace of fine gravel, gravel comprises shells and shell fragments, brown with white shell fragments.	5573/003
M626	Core 4	SAND, fine to medium grained, with a trace to some silt and a trace of fine gravel, gravel comprises shells and shell fragments, brown with white and brown shell fragments.	5573/004
M627	Core 6	SAND, fine to medium grained, with some silt and a trace of gravel, gravel comprises shells and shell fragments, brown with white and brown shell fragments.	5573/005
M628	Core 7	SAND, fine to medium grained, with a trace to some silt and a trace of fine gravel, gravel comprises shells and shell fragments, brown with white, grey and brown shell fragments.	5573/006
M629	Core 8	SAND, fine to medium grained, with a trace to some silt and a trace of gravel, gravel comprises shells and shell fragments, brown with white and grey shell fragments.	5573/007
M630	Core 9	SAND, fine to medium grained, with a trace of silt and clay and a trace of shells and shell fragments, brown with white and dark brown speckles..	5573/008
M631	Core 10	SAND, fine to medium grained, with some silt and clay and a trace of fine gravel, a trace of shells and shell fragments, brown with white speckles.	5573/009
M632	Core 11	SAND, fine to medium grained, with a trace of silt and clay and a trace of shells and shell fragments, brown with white/light brown and dark grey/brown speckles.	5573/010

If you have any questions or require further information, please do not hesitate to contact the undersigned.

Yours faithfully  
**RCA Australia**

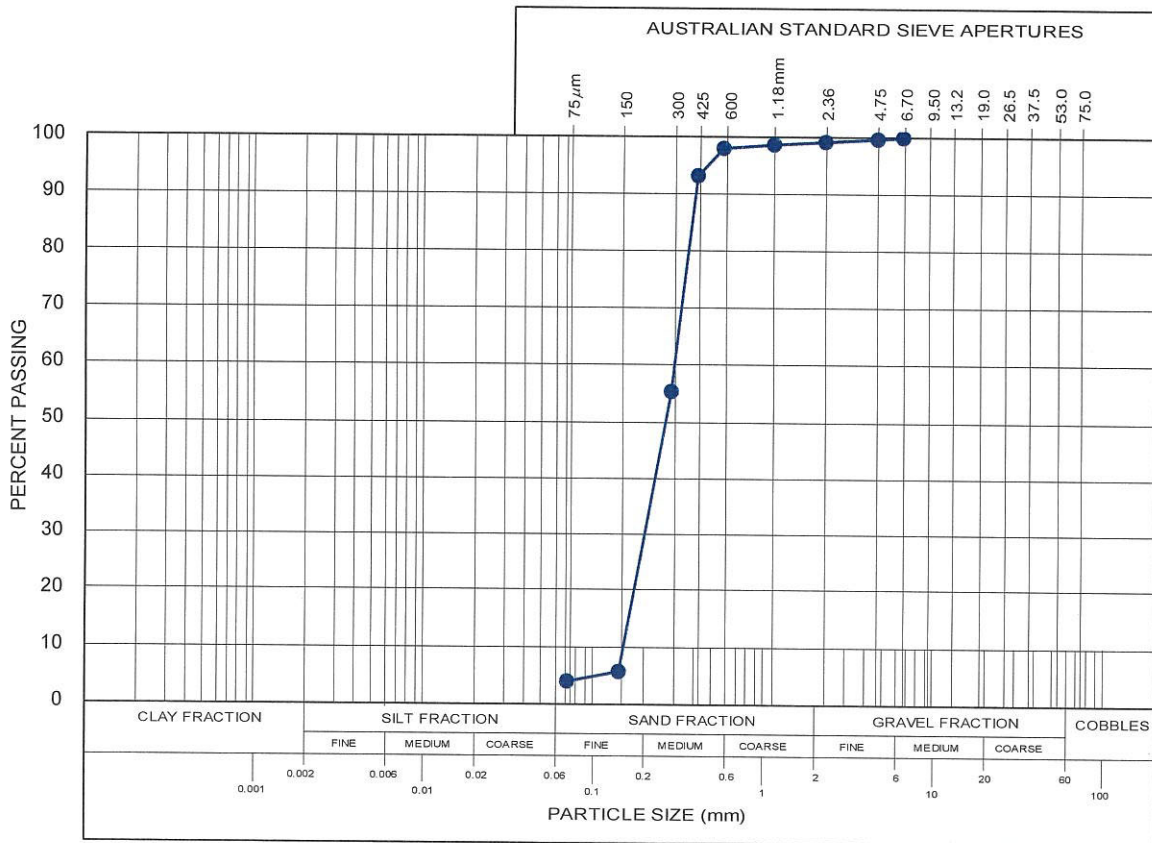


Adrian Buck  
Laboratory Manager

## PARTICLE SIZE DISTRIBUTION TEST REPORT

Client : Geolyse  
Project : Material Evaluation  
Location : Wallis Lake, 405062-LEO-011  
Test Date : 10.04.06

Job Number : 5573  
Sample No. : M623  
Depth (m) : N/A



Description : Core 1, see RCA cover letter for full description

Pretreatment : N/A

Loss in Mass on Pretreatment (%) : Nil

Soil Particle Density : 2.65

Test Method : AS 1289.3.6.1



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Number: 9811

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RCA Australia  
REPORT No: 5573/001  
AUTHORISED SIGNATORY: Adrian Buck  
POSITION: Laboratory Manager



DATE: 12/4/2006

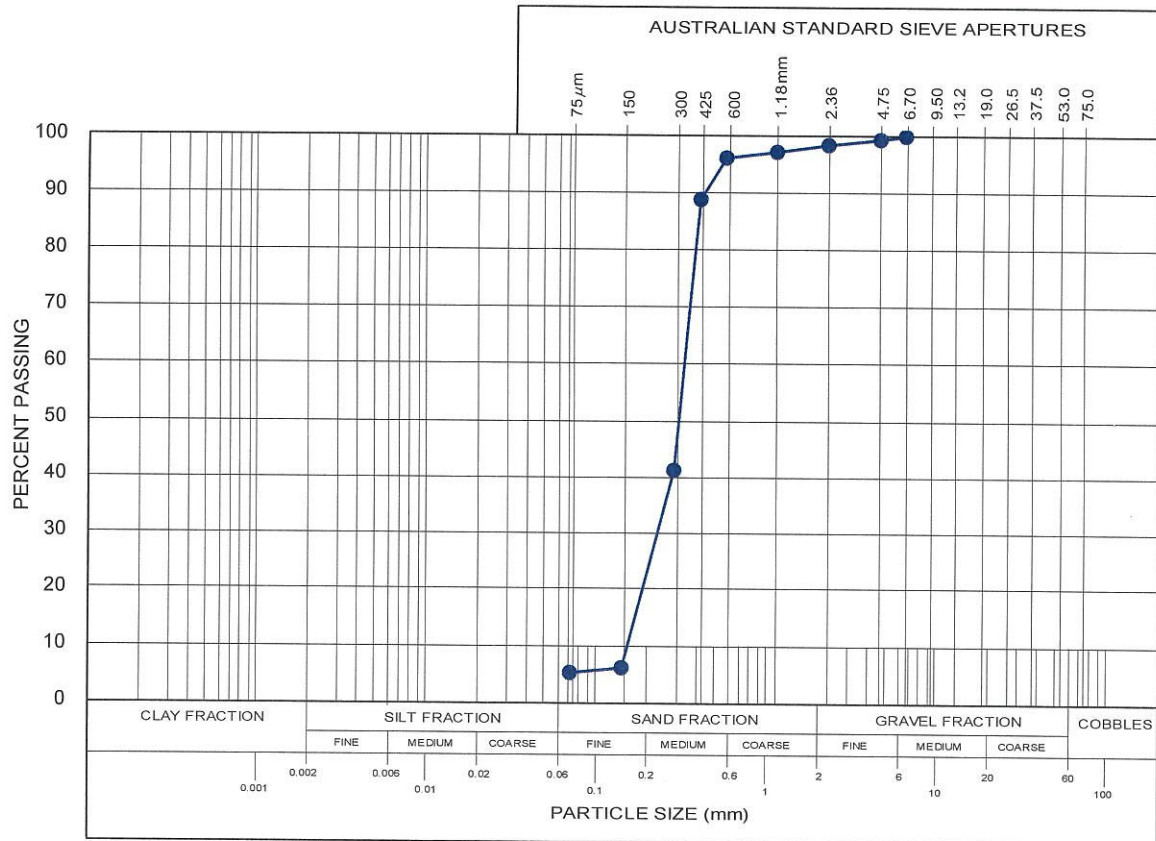
LWS-PSD-002/2



## PARTICLE SIZE DISTRIBUTION TEST REPORT

Client : Geolyse  
Project : Material Evaluation  
Location : Wallis Lake, 405062-LEO-011  
Test Date : 10.04.06

Job Number : 5573  
Sample No. : M624  
Depth (m) : N/A



Description : Core 2, see RCA cover letter for full description

Pretreatment : N/A

Loss in Mass on Pretreatment (%) : Nil

Soil Particle Density : 2.65

Test Method : AS 1289.3.6.1



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RCA Australia  
REPORT No: 5573/002  
AUTHORISED SIGNATORY: Adrian Buck  
POSITION: Laboratory Manager

DATE: 12/4/2006

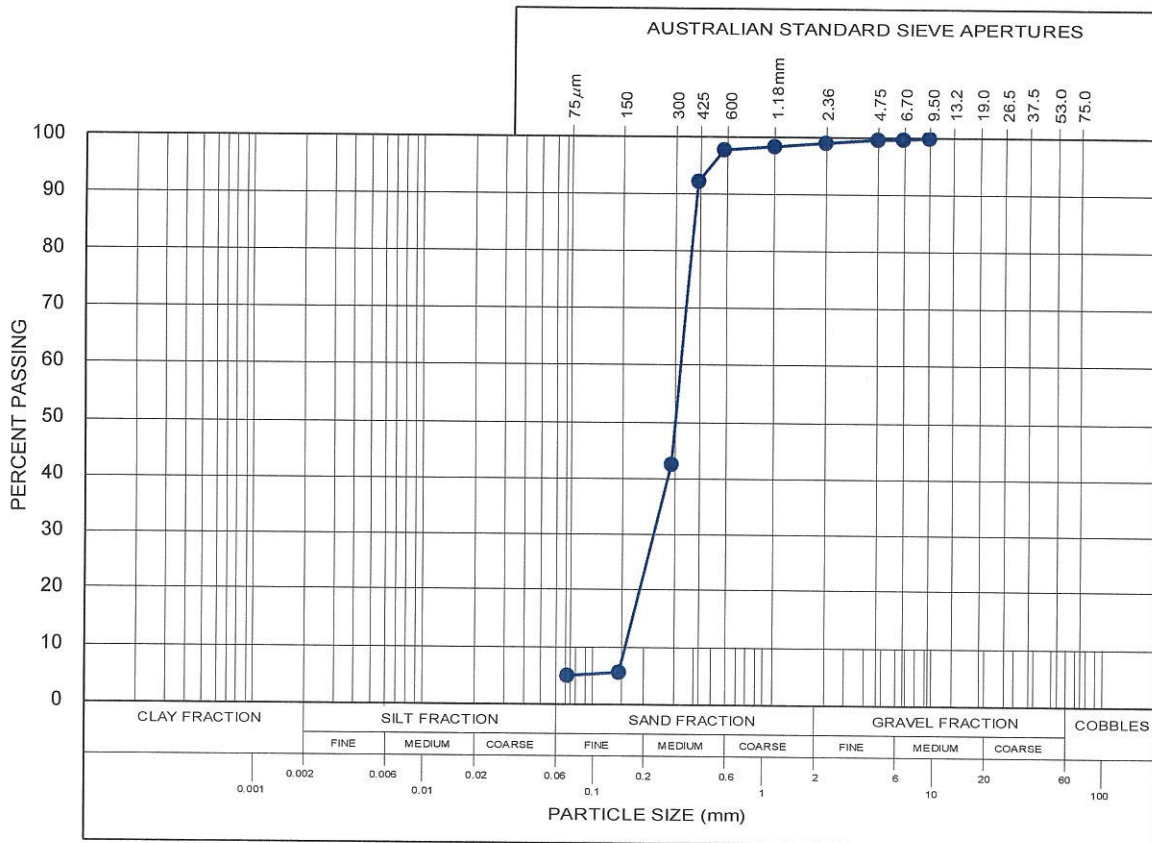
LWS-PSD-002/2



## PARTICLE SIZE DISTRIBUTION TEST REPORT

Client : Geolyse  
Project : Material Evaluation  
Location : Wallis Lake, 405062-LEO-011  
Test Date : 07.04.06

Job Number : 5573  
Sample No. : M625  
Depth (m) : N/A



Description : Core 3, see RCA cover letter for full description

Pretreatment : N/A

Loss in Mass on Pretreatment (%) : Nil

Soil Particle Density : 2.65

Test Method : AS 1289.3.6.1



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REPORT No: 5573/003  
AUTHORISED SIGNATORY: Adrian Buck  
POSITION: Laboratory Manager



DATE: 12/4/2006

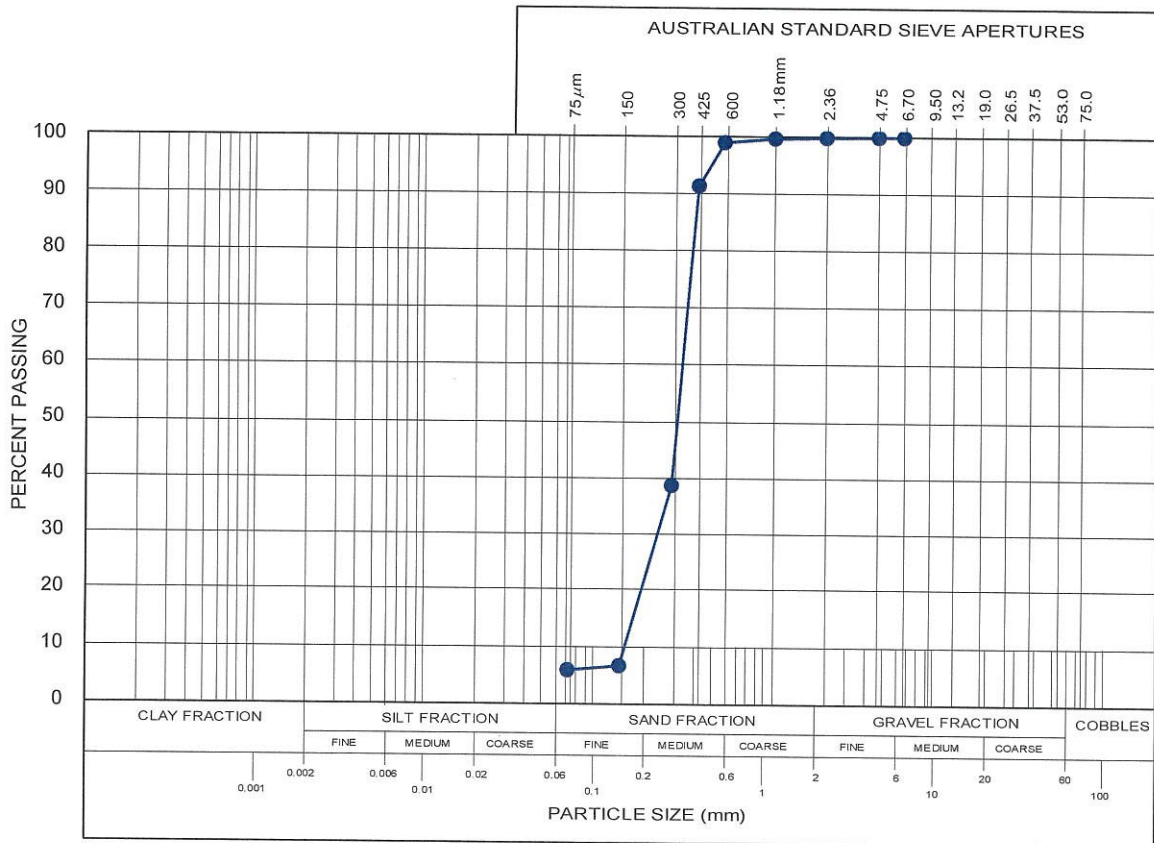
LWS-PSD-002/2



## PARTICLE SIZE DISTRIBUTION TEST REPORT

Client : Geolyse  
Project : Material Evaluation  
Location : Wallis Lake, 405062-LEO-011  
Test Date : 10.04.06

Job Number : 5573  
Sample No. : M626  
Depth (m) : N/A



Description : Core 4, see RCA cover letter for full description

Pretreatment : N/A

Loss in Mass on Pretreatment (%) : Nil

Soil Particle Density : 2.65

Test Method : AS 1289.3.6.1



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REPORT No: 5573/004  
AUTHORISED SIGNATORY: Adrian Buck  
POSITION: Laboratory Manager



DATE: 12/4/2006

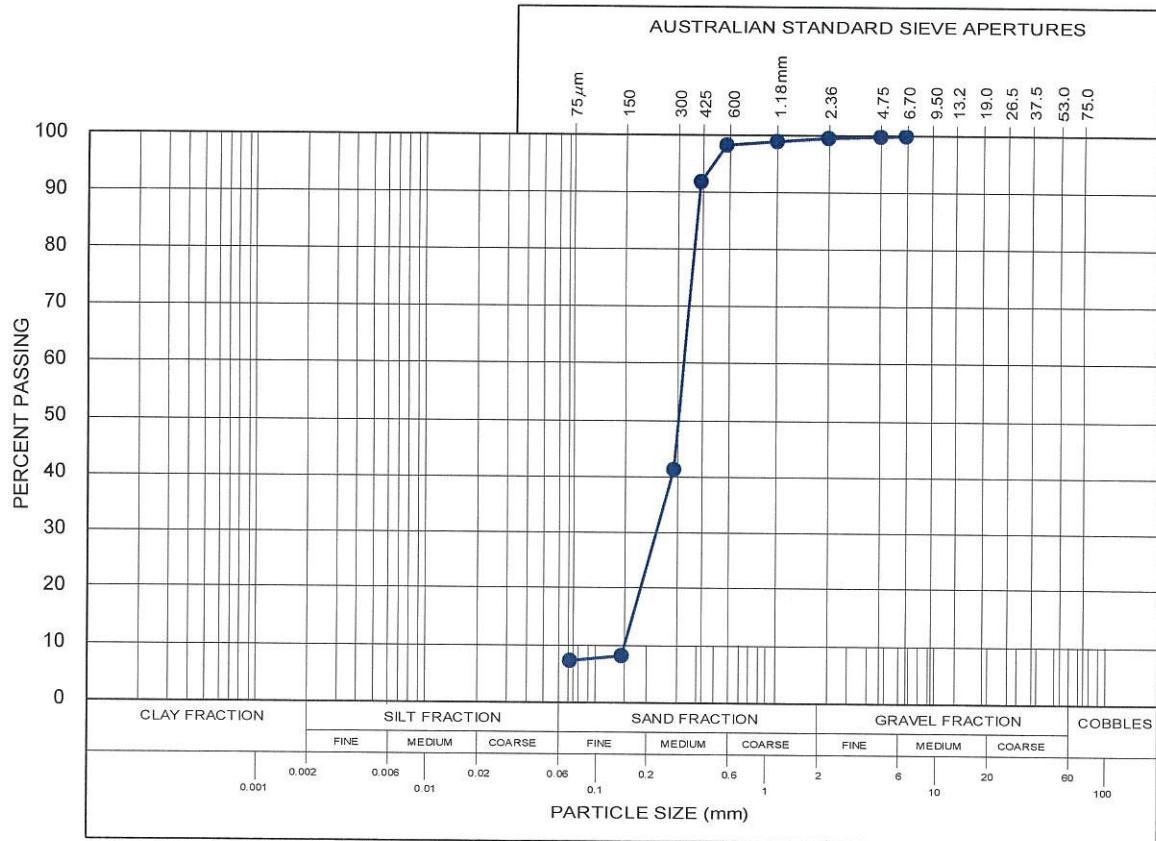
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## PARTICLE SIZE DISTRIBUTION TEST REPORT

Client : Geolyse  
 Project : Material Evaluation  
 Location : Wallis Lake, 405062-LEO-011  
 Test Date : 10.04.06

Job Number : 5573  
 Sample No. : M627  
 Depth (m) : N/A



Description : Core 6, see RCA cover letter for full description

Pretreatment : N/A

Loss in Mass on Pretreatment (%) : Nil

Soil Particle Density : 2.65

Test Method : AS 1289.3.6.1



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RCA Australia  
 REPORT No: 5573/005  
 AUTHORISED SIGNATORY: Adrian Buck  
 POSITION: Laboratory Manager

*Adrian Buck*

DATE: 12/4/2006

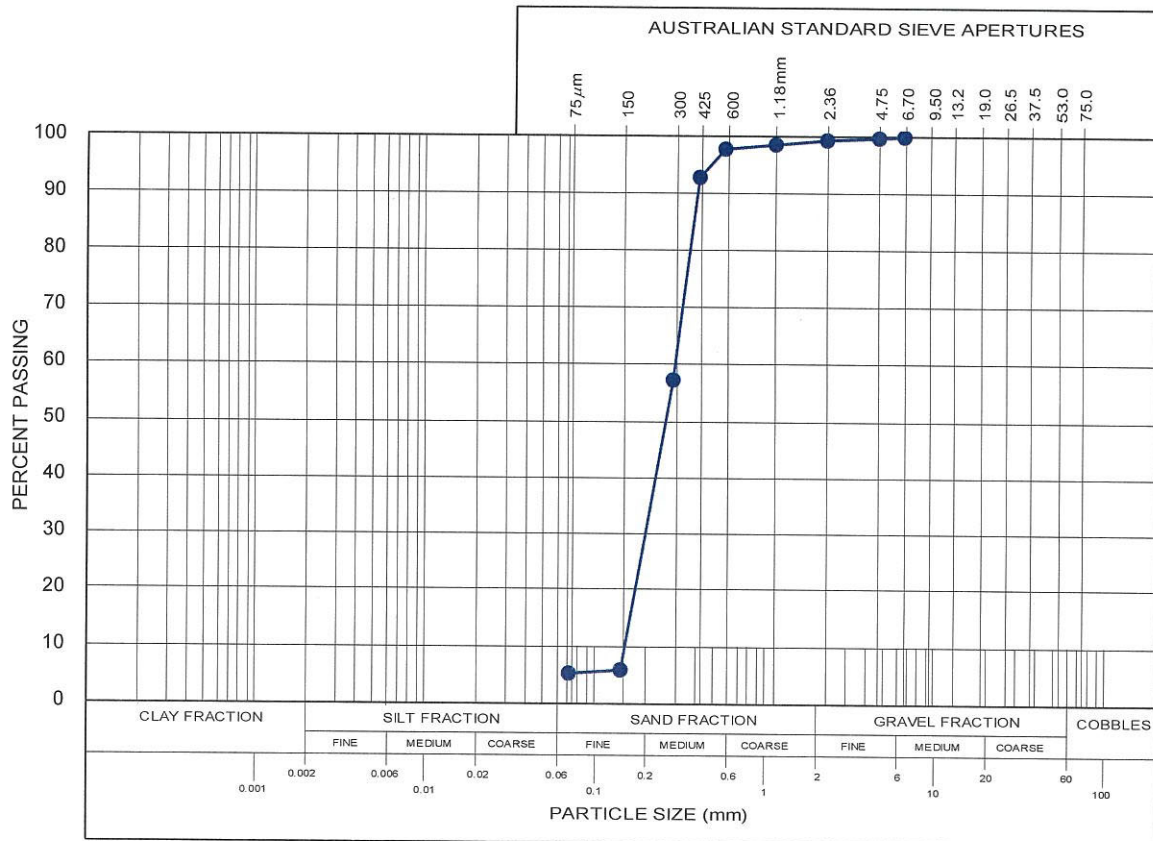
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## PARTICLE SIZE DISTRIBUTION TEST REPORT

Client : Geolyse  
Project : Material Evaluation  
Location : Wallis Lake, 405062-LEO-011  
Test Date : 06.04.06

Job Number : 5573  
Sample No. : M628  
Depth (m) : N/A



Description : Core 7, see RCA cover letter for full description

Pretreatment : N/A

Loss in Mass on Pretreatment (%) : Nil

Soil Particle Density : 2.65

Test Method : AS 1289.3.6.1



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REPORT No: 5573/006  
AUTHORISED SIGNATORY: Adrian Buck  
POSITION: Laboratory Manager



DATE: 12/4/2006

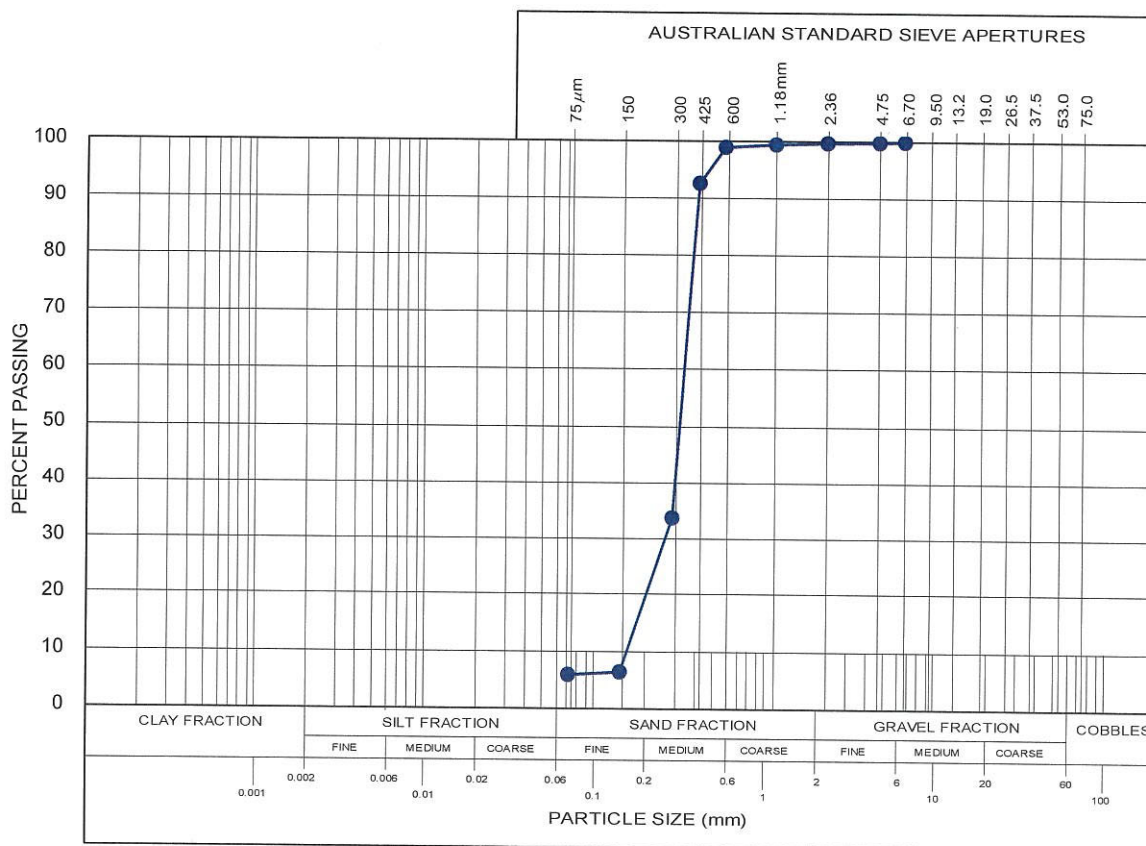
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## PARTICLE SIZE DISTRIBUTION TEST REPORT

Client : Geolyse  
Project : Material Evaluation  
Location : Wallis Lake, 405062-LEO-011  
Test Date : 07.04.06

Job Number : 5573  
Sample No. : M629  
Depth (m) : N/A



Description : Core 8, see RCA cover letter for full description

Pretreatment : N/A

Loss in Mass on Pretreatment (%) : Nil

Soil Particle Density : 2.65

Test Method : AS 1289.3.6.1



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REPORT No: 5573/007  
AUTHORISED SIGNATORY: Adrian Buck  
POSITION: Laboratory Manager



DATE: 12/4/2006

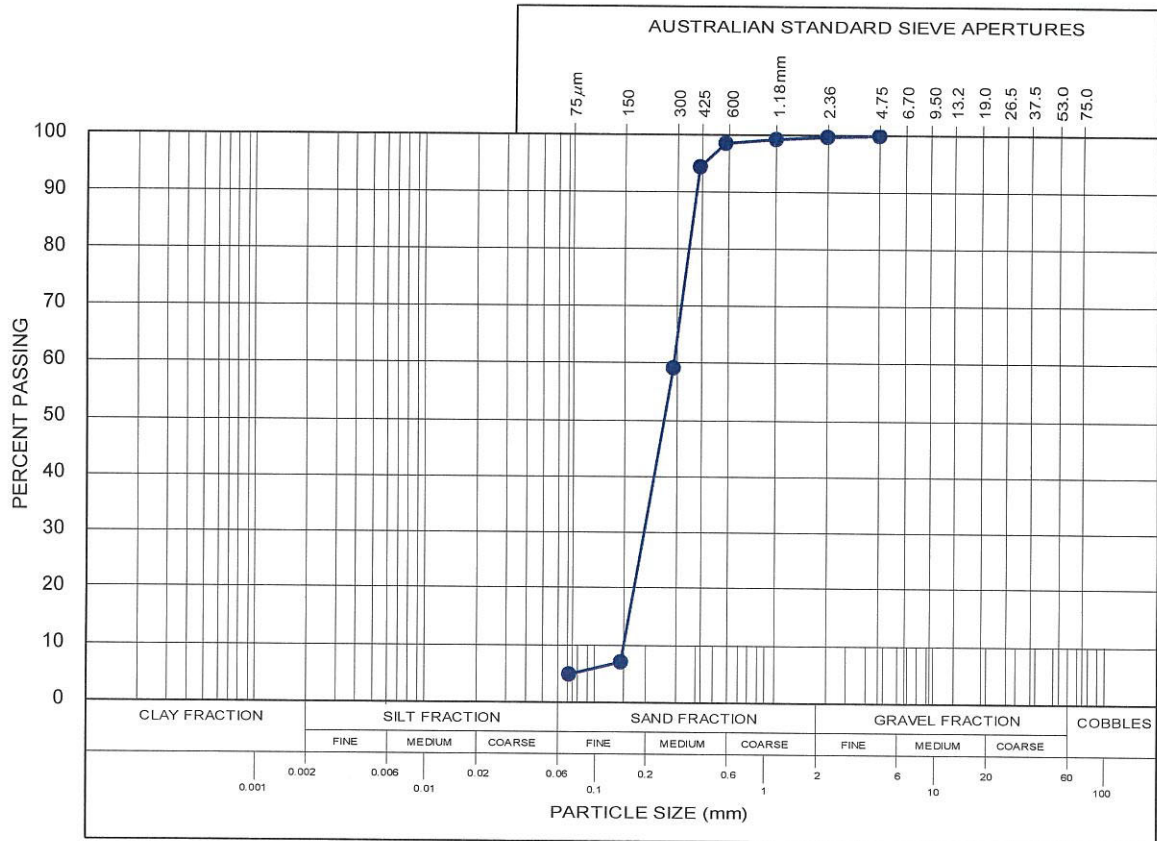
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## PARTICLE SIZE DISTRIBUTION TEST REPORT

Client : Geolyse  
 Project : Material Evaluation  
 Location : Wallis Lake, 405062-LEO-011  
 Test Date : 11.04.06

Job Number : 5573  
 Sample No. : M630  
 Depth (m) : N/A



Description : Core 9, see RCA cover letter for full description

Pretreatment : N/A

Loss in Mass on Pretreatment (%) : Nil

Soil Particle Density : 2.65

Test Method : AS 1289.3.6.1



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 REPORT No: 5573/008  
 AUTHORISED SIGNATORY: Adrian Buck  
 POSITION: Laboratory Manager



DATE: 12/4/2006

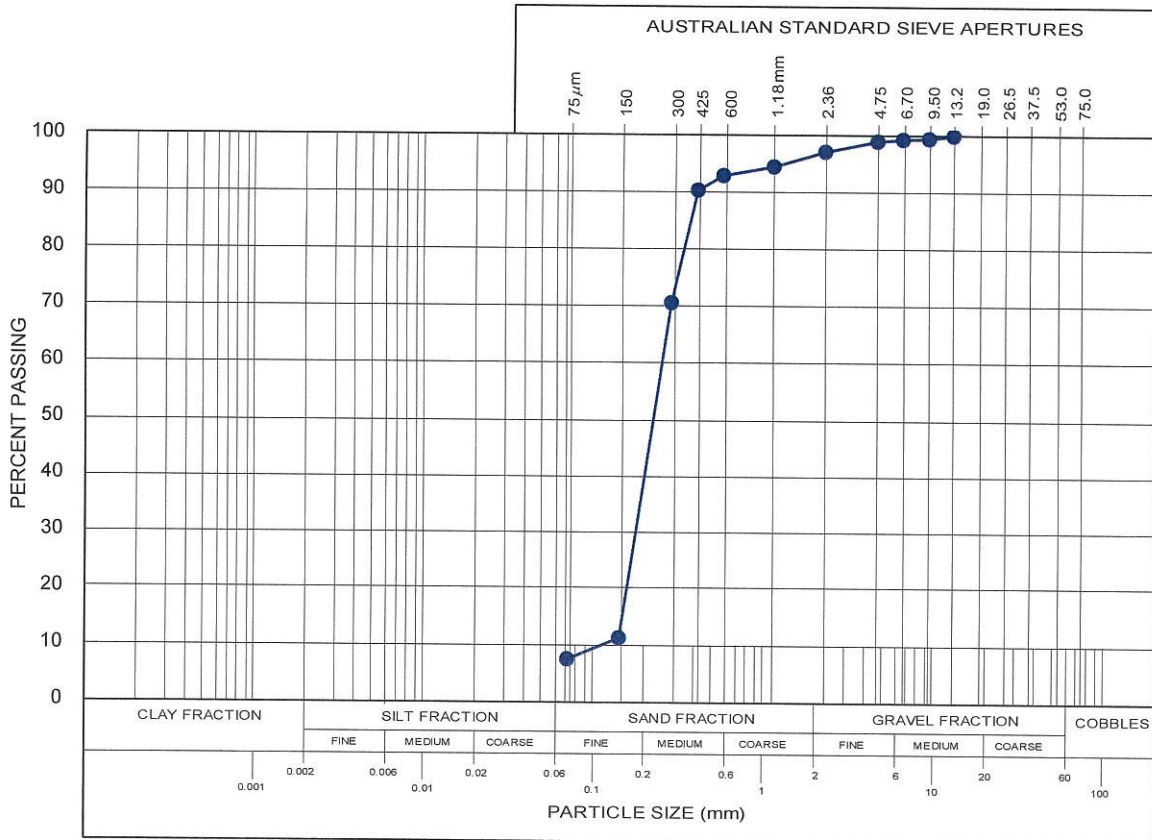
LWS-PSD-002/2



## PARTICLE SIZE DISTRIBUTION TEST REPORT

Client : Geolyse  
 Project : Material Evaluation  
 Location : Wallis Lake, 405062-LEO-011  
 Test Date : 11.04.06

Job Number : 5573  
 Sample No. : M631  
 Depth (m) : N/A



Description : Core 10, see RCA cover letter for full description

Pretreatment : N/A

Loss in Mass on Pretreatment (%) : Nil

Soil Particle Density : 2.65

Test Method : AS 1289.3.6.1



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RCA Australia  
 REPORT No: 5573/009  
 AUTHORISED SIGNATORY: Adrian Buck  
 POSITION: Laboratory Manager



DATE: 12/4/2006

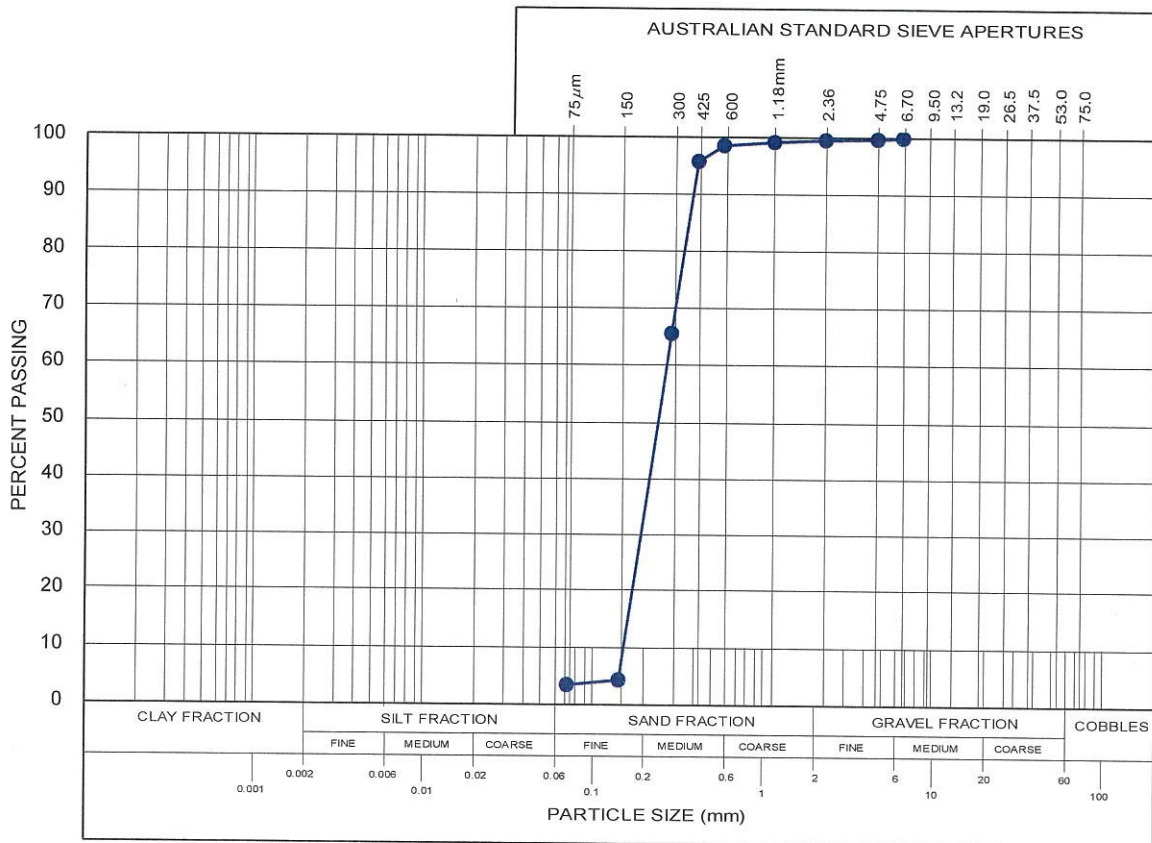
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## PARTICLE SIZE DISTRIBUTION TEST REPORT

Client : Geolyse  
Project : Material Evaluation  
Location : Wallis Lake, 405062-LEO-011  
Test Date : 11.04.06

Job Number : 5573  
Sample No. : M632  
Depth (m) : N/A



Description : Core 11, see RCA cover letter for full description

Pretreatment : N/A

Loss in Mass on Pretreatment (%) : Nil

Soil Particle Density : 2.65

Test Method : AS 1289.3.6.1



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RCA Australia  
REPORT No: 5573/010  
AUTHORISED SIGNATORY: Adrian Buck  
POSITION: Laboratory Manager

DATE: 12/4/2006

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