

## Dry Density Ratio Report



|  |                                     |
|--|-------------------------------------|
| Client : <b>Roberts Bros.</b>                | Report Number: <b>G17058 - 11/1</b> |
| Address: <b>123 Maple St Cooroy Qld 4563</b> | Report Date : <b>1/09/2017</b>      |
| Job Number : <b>G17058</b>                   | Order Number:                       |
| Project : <b>Dam Fill Lot 17</b>             | Test Method: <b>AS1289.5.4.1</b>    |
| Location : <b>Stage 2 , Chatsworth</b>       |                                     |

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| Lab No :                              | 109603   | 109604  |  |  |
|---------------------------------------|--|---|--|--|
| ID No :                               | -  | -   |  |  |
| Lot No :                              | -  | -   |  |  |
| Item No :                             | -  | -   |  |  |
| Date Sampled :                        | <b>29/8/2017</b>   | <b>29/8/2017</b>  |  |  |
| Date/Time Tested :                    | <b>29/8/2017 / 12.45</b>   | <b>29/8/2017 / 2.15</b>                                     |  |  |
| Material Source :                     | <b>Site</b>  | <b>Site</b>   |  |  |
| For Use As :                          | <b>Fill</b>  | <b>Fill</b>   |  |  |
| Sample Location :                     | Lot 17 Dam Fill<br>E 0462367<br>N 7108346<br>Approx 0.8m < Final Lvl | Lot 17 Dam Fill<br>E 0462369<br>N 7108347<br>Final Fill Lvl |  |  |
| Test/Layer Depth (mm)                 | <b>150 /</b>   | <b>150 /</b>  |  |  |
| Max Size (mm) :                       | <b>19.0</b>  | <b>19.0</b>   |  |  |
| Oversize Wet (%) :                    | <b>7</b>   | <b>3</b>  |  |  |
| Oversize Dry (%) :                    | <b>8</b>   | <b>3</b>  |  |  |
| Field Moisture (%) :                  | <b>16.7</b>  | <b>20.4</b>   |  |  |
| MDR No :                              | <b>109603</b>  | <b>109604</b>   |  |  |
| Assigned MDR :                        | <b>No</b>  | <b>No</b>   |  |  |
| Field Dry Density (t/m <sup>3</sup> ) | <b>1.61</b>  | <b>1.50</b>   |  |  |
| MDD (t/m <sup>3</sup> ) :             | <b>1.66*</b>   | <b>1.59*</b>  |  |  |
| OMC (%) :                             | <b>20.5</b>  | <b>23.5</b>   |  |  |
| Variation from OMC                    | <b>4% dry of omc</b>   | <b>3% dry of omc</b>  |  |  |
| Field Density Method :                | <b>AS1289.5.8.1</b>  | <b>AS1289.5.8.1</b>   |  |  |
| MC Method :                           | <b>AS 1289.2.1.1</b>   | <b>AS 1289.2.1.1</b>  |  |  |
| Compactive Effort :                   | <b>Standard</b>  | <b>Standard</b>   |  |  |
| Moisture Ratio / Spec(%) :            | <b>81 / -</b>  | <b>87 / -</b>   |  |  |
| Dry Density Ratio (%) :               | <b>98.0</b>  | <b>95.0</b>   |  |  |
| Min Dry Dens Ratio (%)                | <b>95</b>  | <b>95</b>   |  |  |

Remarks :

\* - Denotes corrected for oversize

|  |   |                                    |
|--|---|------------------------------------|
|  <p>Accredited for compliance with ISO/IEC 17025-Testing</p> | APPROVED SIGNATORY<br><br>Mel Burnett<br>NATA Accred No:1551 | FORM NUMBER<br><b>REP ANUC-1-3</b> |
|--|---|------------------------------------|