

Management of Quarry Reference Specimens

1. Scope

This Code of Practice outlines the management of Quarry Reference Specimens and provides the Quarry Reference Specimen Register (QRSR). The QRSR details current (#) Quarry Reference Specimen Lists (QRSL) to be used by quarries, testing laboratories, contractors and VicRoads for assessing the quality of crushed rock and aggregate.

2. Quarry Reference Specimen

Definition: A small quantity of representative crushed rock particles from a quarry face, usually of 10mm nominal size, prepared in accordance with RC 372.02 and AS 1141.30.2.

A quarry reference specimen is specific to a rock source and is classified as either “sound”, “marginal”, or “unsound”. The reference specimen is used in the assessment of the quality of coarse aggregates in accordance with RC 372.01 and AS 1141.30.1.

3. Quarry Reference Specimen List

Definition: A document which provides details of the reference specimens to be used in the assessment of the quality of coarse aggregates in accordance with RC 372.01 and AS 1141.30.1.

The unique identifier for a particular QRSL is its list number. If the QRSL is updated, e.g. because samples are added to or removed from the Quarry Reference Specimen set, a new list number will be automatically assigned.

Information given in the QRSL includes:

- The supplier name and supplier number
- The list number
- The status of the QRSL as either “draft”, “current” or “obsolete”,
- The date on which the QRSL comes into effect (“Effective Date”)
- The rock type
- VicRoads laboratory number for each sample
- Report number of associated quarry investigation report

- Sampling date
- Durability classification (Sound/Marginal/Unsound)
- Sampling location

4. Quarry Reference Specimen Register

The current (#) QRSL list numbers applicable to individual VicRoads accredited suppliers are maintained in the Quarry Reference Specimen Register, as the Appendix to RC 500.03.

The QRSR will only show the supplier name and number, list number and effective date for each current QRSL. Details of the reference specimens will not be shown.

The register will be reviewed at least three times each year and updated to reflect any changes.

5. Protection of Confidentiality

In accordance with VicRoads Code of Practice RC 500.00, parties external to VicRoads will not be given access to any sets of reference specimens, any quarry information (e.g. assigned values, QRSL etc.) or quarry investigation reports held within VicRoads unless prior permission is obtained both from the supplier who owns the rock and from VicRoads. A record of supplier permission granting access to any quarry information or investigation reports must be maintained by VicRoads.

6. Visual Assessment of Coarse Aggregates

When quarry laboratories carry out “unsound stone counts”, i.e. visual assessments of aggregate quality in accordance with RC 372.01 and AS 1141.30.1, the reference set used must be the set identified on the relevant QRSL listed as “current” in the QRSR on the VicRoads website. In case of any discrepancies, VicRoads quarry accreditation officers shall be contacted immediately.

Quarry Reference Specimen List Numbers current as at 16 October 2019.

To receive this publication in an accessible format, please request using VicRoads online message feedback form.

**VicRoads Code of Practice – Revision Summary
RC 500.03 – Management of Quarry Reference Specimens**

| Date | Clause | Description of Revision | Authorised by |
|--------------|---------------|--|---|
| October 2019 | Appendix | Updated list numbers to reflect changes in name/ownership and added new suppliers | Principal Advisor – Pavements, Geotech. & Materials |
| June 2017 | Appendix | Updated list numbers and included Tasmanian Quarries, minor layout change | Principal Advisor – Pavements, Geotech. & Materials |
| April 2016 | Appendix | Minor layout change, updated list numbers and added new suppliers to reflect changes post March 2014 | Principal Advisor – Pavements, Geotech. & Materials |
| March 2014 | Appendix | Updated list numbers and added new suppliers to reflect changes post June 2013 | Principal Advisor – Pavements, Geotech. & Materials |
| June 2013 | Full Document | Initial Release | Principal Advisor – Pavements, Geotech. & Materials |

Appendix – Quarry Reference Specimen Register

| Limitations | |
|------------------------------|--------------------------------------|
| C – Crushed Concrete only | N – Newer Basalt Surface Spalls only |
| F – Class 4 CR only | H – Class 3 and 4 CR only |
| K – Class 2, 3 and 4 CR only | |

Quarry Reference Specimen Register

| Supplier | Supplier Number | List Number | Effective Date |
|--|-----------------|----------------|----------------|
| VICTORIA | | | |
| ACM – Aurora Constr. Materials Beveridge – N | C0000708 | GR0000393 | 10/04/2017 |
| ACM – Aurora Constr. Materials Epping – N | C0000045 | GR0000266 | 24/03/2014 |
| ACM – Aurora Constr. Materials Rockbank – N | C0000621 | GR0000391 | 07/03/2017 |
| Alex Fraser Recycling Clayton – C | C0000491 | Not applicable | Not applicable |
| Alex Fraser Recycling Epping – C | C0000268 | Not applicable | Not applicable |
| Alex Fraser Recycling Epping – N | C0000552 | GR0000022 | 10/09/2009 |
| Alex Fraser Recycling Laverton – C | C0000489 | Not applicable | Not applicable |
| Alex Fraser Recycling Laverton – N | C0000490 | GR0000108 | 10/09/2009 |
| Allstone Eaglehawk – C | C0000291 | Not Applicable | Not Applicable |
| Allstone Newbridge | C0000016 | GR0000507 | 02/08/2019 |
| BAMStone Pt Fairy | C0000576 | GR0000414 | 12/03/2019 |
| Barfold Quarry | C0000602 | GR0000463 | 01/04/2019 |
| Bell’s Lake Gilleear | C0000580 | Not applicable | Not applicable |
| Boral Bacchus Marsh | C0000189 | GR0000026 | 20/04/2012 |
| Boral Charlton | C0000019 | GR0000493 | 26/06/2019 |
| Boral Coldstream | C0000020 | GR0000458 | 15/04/2019 |
| Boral Coldstream Recycling – C | C0000531 | Not applicable | Not applicable |

Quarry Reference Specimen Register

| Supplier | Supplier Number | List Number | Effective Date |
|---|-----------------|----------------|----------------|
| Boral Cosgrove | C0000021 | GR0000465 | 25/03/2019 |
| Boral Lysterfield (Dandenong) | C0000024 | GR0000460 | 18/04/2019 |
| Boral Lysterfield (Dandenong) Recycling – C | C0000493 | Not applicable | Not applicable |
| Boral Deer Park | C0000025 | GR0000500 | 12/09/2019 |
| Boral Deer Park Recycling – C | C0000797 | Not applicable | Not applicable |
| Boral Dunnstown | C0000026 | GR0000468 | 23/01/2019 |
| Boral Montrose | C0000006 | GR0000459 | 15/04/2019 |
| Boral Mt Napier (Dundas) | C0000029 | GR0000479 | 06/05/2019 |
| Boral Wollert | C0000030 | GR0000501 | 11/07/2019 |
| Boral Wollert Recycling – C | C0000583 | Not applicable | Not applicable |
| Boral (Grahams) Dookie | C0000032 | GR0000464 | 25/03/2019 |
| Boral/Delta Recycling Sunshine – C | C0000492 | Not applicable | Not applicable |
| Casacir Neerim North | C0000270 | GR0000476 | 15/04/2019 |
| Castella Quarry | C0000034 | GR0000517 | 29/08/2019 |
| Central Quarries Rockbank | C0000603 | GR0000448 | 13/12/2018 |
| City Circle Recycling Brooklyn – C | C0000262 | Not applicable | Not applicable |
| City Circle Recycling Brooklyn – N | C0000599 | GR0000108 | 10/09/2009 |
| City Circle Recycling Dandenong – C | C0000586 | Not applicable | Not applicable |
| City Circle Recycling Melton – C | C0000732 | Not applicable | Not applicable |
| City Circle Recycling Melton – N | C0000646 | GR0000339 | 27/04/2016 |
| Commercial Tippers Lyndhurst – C | C0000660 | Not applicable | Not applicable |
| Davidsons Jack River | C0000049 | GR0000299 | 22/07/2015 |

Quarry Reference Specimen Register

| Supplier | Supplier Number | List Number | Effective Date |
|--------------------------------|-----------------|----------------|----------------|
| Eastern Quarries Benambra | C0000087 | GR0000491 | 24/06/2019 |
| Euroa Quarries – Gooram | C0000462 | GR0000240 | 03/01/2013 |
| Fulton Hogan Tylden | C0000053 | GR0000446 | 10/12/2018 |
| Fulton Hogan Tynong | C0000022 | GR0000407 | 26/07/2017 |
| Fulton Hogan Tynong New Hole | C0000614 | GR0000498 | 27/06/2019 |
| Geelong Quarries | C0000588 | GR0000478 | 29/04/2019 |
| Goulburn Valley Resources | C0000584 | Not applicable | Not applicable |
| Granite Rock Quarry | C0000057 | GR0000483 | 11/07/2019 |
| G.E.M. Moree | C0000039 | GR0000284 | 05/03/2015 |
| Hampstead Gravel Talbot | C0000069 | GR0000439 | 18/03/2019 |
| Hanson Axedale | C0000058 | GR0000492 | 24/06/2019 |
| Hanson Carisbrook | C0000059 | GR0000487 | 24/06/2019 |
| Hanson Heywood | C0000061 | GR0000449 | 04/04/2019 |
| Hanson Kilmore | C0000062 | GR0000508 | 02/08/2019 |
| Hanson Werribee (Little River) | C0000565 | GR0000435 | 08/10/2018 |
| Hanson Lysterfield | C0000063 | GR0000065 | 28/06/2006 |
| Hanson Lysterfield Hornfels | C0000685 | GR0000437 | 11/10/2018 |
| Hanson Wollert | C0000065 | GR0000486 | 14/06/2019 |
| Hanson Wollert – N | C0000624 | GR0000287 | 04/05/2015 |
| Hi-Quality Bulla – H | C0000274 | GR0000399 | 10/05/2017 |
| Hillview Quarries Dromana | C0000066 | GR0000466 | 20/03/2019 |
| Holcim Colac | C0000036 | GR0000531 | 21/10/2019 |
| Holcim Jeeralang North | C0000037 | GR0000522 | 30/09/2019 |

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| Supplier | Supplier Number | List Number | Effective Date |
|--|-----------------|----------------|----------------|
| Holcim Leongatha | C0000038 | GR0000334 | 25/02/2016 |
| Holcim Oaklands Junction Granite | C0000047 | GR0000484 | 24/06/2019 |
| Holcim Oaklands Junction Hornfels | C0000048 | GR0000485 | 24/06/2019 |
| Holcim Oaklands Junction Recycling – C | C0000790 | Not applicable | Not applicable |
| Holcim Pakenham | C0000010 | GR0000451 | 16/01/2019 |
| Holcim Tarrone (Warrnambool) | C0000041 | GR0000530 | 21/10/2019 |
| Holcim Tynong North | C0000042 | GR0000514 | 09/08/2019 |
| Holcim Werribee | C0000043 | GR0000469 | 25/03/2019 |
| Holcim Werribee Manor Hole | C0000651 | GR0000335 | 25/02/2016 |
| Holcim Werribee Recycling – C | C0000701 | Not applicable | Not applicable |
| Judd Tungamah | C0000459 | GR0000239 | 14/11/2012 |
| Latrobe Valley Blue Metal | C0000068 | GR0000085 | 28/10/2008 |
| Lawrence Bros Field's Pit – K | C0000590 | GR0000329 | 07/01/2016 |
| Lethbridge Quarry | C0000507 | GR0000529 | 21/10/2019 |
| Lima South Quarry | C0000070 | GR0000450 | 05/03/2019 |
| Local Mix Moolap – C | C0000637 | Not applicable | Not applicable |
| Matthews Quarries Tyers (Boola) | C0000071 | GR0000494 | 26/06/2019 |
| Mawsons Glenrowan | C0000072 | GR0000524 | 30/09/2019 |
| Mawsons Lake Boga | C0000073 | GR0000473 | 04/04/2019 |
| Mawsons Lake Cooper | C0000074 | GR0000411 | 05/09/2017 |
| Mawsons Mansfield | C0000017 | GR0000390 | 12/03/2019 |
| Mawsons Pyramid Hill | C0000075 | GR0000311 | 06/10/2015 |

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| Supplier | Supplier Number | List Number | Effective Date |
|---|-----------------|----------------|----------------|
| Mawsons Yabba North | C0000076 | GR0000318 | 16/11/2015 |
| McClure Kanowna – F | C0000795 | Not applicable | Not applicable |
| McKinnon Cann River – K | C0000568 | GR0000503 | 01/08/2019 |
| Molans Camperdown | C0000105 | GR0000436 | 12/10/2018 |
| Molans Salt Creek | C0000277 | GR0000516 | 29/08/2019 |
| Mountain View Quarries Donnybrook Recycling – N | C0000103 | GR0000256 | 03/10/2013 |
| Mountain View Quarries Little River | C0000643 | GR0000518 | 16/09/2019 |
| Mountain View Quarries Point Wilson | C0000080 | GR0000481 | 01/05/2019 |
| Mountain View Quarries Seymour | C0000081 | GR0000215 | 30/11/2011 |
| Mountain View Quarries Wyndhamvale | C0000083 | GR0000509 | 16/09/2019 |
| Mountain View Quarries Sunshine – C | C0000581 | Not applicable | Not applicable |
| Mountain View Quarries Sunshine – N | C0000082 | GR0000104 | 29/11/2006 |
| Mt Drummond Quarry Stawell | C0000084 | GR0000497 | 26/06/2019 |
| North Altona Rock Blasting Plumpton Rd – C | C0000498 | Not applicable | Not applicable |
| North Altona Rock Blasting Plumpton Rd – N | C0000495 | GR0000175 | 23/09/2010 |
| Northern Quarries Epping | C0000086 | GR0000472 | 10/04/2019 |
| Redstone Crushing Gravel Hill | C0000027 | GR0000520 | 18/09/2019 |
| Regional Recycle – C | C0000605 | Not applicable | Not applicable |
| Repurpose It – C | C0000778 | Not applicable | Not applicable |
| Repurpose It – N | C0000792 | GR0000525 | 01/10/2019 |
| Rigby's Coleraine | C0000088 | GR0000528 | 21/10/2019 |
| SBI Cranbourne Quarries – F | C0000195 | Not applicable | Not applicable |

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|----------------------------------|-----------------|----------------|----------------|
| SBI Cranbourne Recycling – C | C0000773 | Not applicable | Not applicable |
| Schmidt Nimmitabel | C0000090 | GR0000400 | 23/05/2017 |
| SG Quarries Nerrena | C0000564 | GR0000277 | 30/06/2015 |
| SUEZ ResourceCo – C | C0000598 | Not applicable | Not applicable |
| SUEZ ResourceCo – N | C0000777 | GR0000108 | 10/09/2009 |
| Skipton Quarry | C0000091 | GR0000523 | 30/09/2019 |
| Statewide Pomonal Rd Stawell – H | C0000542 | GR0000462 | 11/04/2019 |
| Sunshine Groupe Brooklyn – C | C0000533 | Not applicable | Not applicable |
| Sunshine Groupe Brooklyn – N | C0000585 | GR0000337 | 31/03/2016 |
| Tuckers Hill Quarry | C0000106 | GR0000496 | 01/07/2019 |
| Violet Town Quarries Leucitite | C0000095 | GR0000474 | 04/04/2019 |
| Violet Town Quarries Rhyodacite | C0000094 | GR0000521 | 30/09/2019 |
| Walsh Quarries Dunnstown | C0000096 | GR0000461 | 04/04/2019 |
| Walsh Quarries Learmonth | C0000097 | GR0000467 | 04/04/2019 |
| Western Quarries Dunneworthy | C0000644 | GR0000495 | 26/06/2019 |
| Whelan's Boucher Rd | C0000098 | GR0000397 | 02/05/2017 |
| Whelan's Bruthen | C0000100 | GR0000499 | 11/07/2019 |
| Whelan's Glenmaggie | C0000055 | GR0000055 | 01/10/2007 |
| Yarck Quarry | C0000639 | GR0000342 | 22/06/2016 |
| Yarra Valley Quarries | C0000102 | GR0000510 | 07/08/2019 |

NEW SOUTH WALES

| | | | |
|-----------------------------------|----------|-----------|------------|
| Bald Hill Quarry – Holbrook (NSW) | C0000523 | GR0000505 | 02/08/2019 |
|-----------------------------------|----------|-----------|------------|

Quarry Reference Specimen Register

| Supplier | Supplier Number | List Number | Effective Date |
|-------------------------------------|-----------------|-------------|----------------|
| Bald Hill Quarry – Tumbarumba (NSW) | C0000544 | GR0000398 | 05/05/2017 |
| Boral Culcairn (NSW) | C0000023 | GR0000471 | 01/04/2019 |
| Mawsons Berrigan (NSW) | C0000506 | GR0000488 | 24/06/2019 |
| Mawsons Broken Hill (NSW) | C0000519 | GR0000201 | 19/07/2011 |
| SOUTH AUSTRALIA | | | |
| Boral Linwood (SA) | C0000466 | GR0000386 | 08/02/2017 |
| Boral Lobethal (SA) | C0000467 | GR0000392 | 09/03/2017 |
| Boral Mt McIntyre (SA) | C0000104 | GR0000290 | 19/06/2015 |
| Hallett Truro (SA) | C0000630 | GR0000306 | 12/08/2015 |
| Hanson Kanmantoo (SA) | C0000485 | GR0000388 | 08/02/2017 |
| Holcim Montacute (SA) | C0000474 | GR0000532 | 18/10/2019 |
| Kulpara Quarry (SA) | C0000559 | GR0000384 | 06/02/2017 |
| McLaren Vale Quarries (SA) | C0000502 | GR0000385 | 02/02/2017 |
| Southern Quarries (SA) | C0000587 | GR0000303 | 15/09/2015 |
| TASMANIA | | | |
| Arthurs Lake Quarry (TAS) | C0000735 | GR0000424 | 12/02/2018 |
| BIS Talisker (TAS) | C0000748 | GR0000423 | 05/02/2018 |
| BIS Western Junction (TAS) | C0000655 | GR0000445 | 13/12/2018 |
| Boral Bridgewater (TAS) | C0000668 | GR0000366 | 15/08/2016 |
| Boral Flowery Gully (TAS) | C0000659 | GR0000359 | 15/08/2016 |

Quarry Reference Specimen Register

| Supplier | Supplier Number | List Number | Effective Date |
|--|-----------------|-------------|----------------|
| Boral Launceston (TAS) | C0000656 | GR0000431 | 29/08/2018 |
| Boral Nook (TAS) | C0000663 | GR0000355 | 15/08/2016 |
| Crezzco Exton (TAS) | C0000697 | GR0000375 | 02/11/2016 |
| Crezzco Meander (TAS) | C0000698 | GR0000374 | 03/11/2016 |
| Duggans Cradoc (TAS) | C0000669 | GR0000376 | 04/11/2016 |
| East Arm Quarry (TAS) | C0000728 | GR0000413 | 07/09/2017 |
| Gaspersic North Lyell/Queenstown (TAS) | C0000673 | GR0000432 | 04/10/2018 |
| Gaspersic Heemskirk (TAS) | C0000794 | GR0000527 | 14/10/2019 |
| Hanson Flagstaff Gully (TAS) | C0000670 | GR0000428 | 09/04/2018 |
| Hanson Launceston (TAS) | C0000657 | GR0000429 | 09/04/2018 |
| Hazell Bros Alanfield (TAS) – H | C0000725 | GR0000404 | 14/06/2017 |
| Hazell Bros Leslie Vale (TAS) | C0000667 | GR0000348 | 15/08/2016 |
| Hazell Bros Leslie Vale Hornfels (TAS) | C0000721 | GR0000405 | 14/06/2017 |
| Hazell Bros Long Hill (TAS) | C0000658 | GR0000352 | 15/08/2016 |
| Hazell Bros Mangalore (TAS) | C0000791 | GR0000513 | 06/08/2019 |
| Hazell Bros Raeburn Quarry (TAS) | C0000661 | GR0000455 | 25/02/2019 |
| Hazell Bros Tunbridge (TAS) | C0000671 | GR0000365 | 15/08/2016 |
| Nabowla Quarries (TAS) | C0000754 | GR0000426 | 28/03/2018 |
| North East Excavations St Helens (TAS) | C0000675 | GR0000362 | 15/08/2016 |
| Simmonds Hill Quarry (TAS) | C0000699 | GR0000379 | 08/11/2016 |

Quarry Reference Specimen Register

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|--|-----------------|-------------|----------------|
| Stoodley Quarry (TAS) | C0000665 | GR0000357 | 15/08/2016 |
| Treloar Shackley Hill (TAS) | C0000666 | GR0000358 | 15/08/2016 |
| Ulverstone Quarry (TAS) | C0000662 | GR0000456 | 15/05/2019 |
| Van Diemen Quarries – Quarry Hill (TAS) | C0000694 | GR0000370 | 11/10/2016 |
| Van Diemen Quarries – Mt Oriel (TAS) – K | C0000696 | GR0000482 | 15/05/2019 |
| Van Diemen Quarries – Ridgley (TAS) | C0000664 | GR0000367 | 15/08/2016 |
| Wallaroo Lilla Villa Quarry (TAS) | C0000700 | GR0000406 | 01/06/2017 |
| Walters Nook (TAS) – K | C0000674 | GR0000368 | 15/08/2016 |