

## Acronyms

|                   |  |
|-------------------|--|
| ~                 | Approximately  |
| °C                | Degrees Celsius  |
| %                 | Percentage   |
| >                 | Greater than   |
| <                 | Less than  |
| ≥                 | Greater than or equal to   |
| ≤                 | Less than or equal to  |
| µg                | Micrograms   |
| µg/m <sup>3</sup> | Micrograms per cubic metres  |
| µg/L              | Micrograms per Litre   |
| µs/cm             | Microseimens per centimetre  |
| 4WD               | Four-Wheel-Drive   |
| AADT              | Annual Average Daily Traffic   |
| AASS              | Actual Acid Sulfate Soils  |
| ABARE             | Australian Bureau of Agricultural and Resource Economics                 |
| ABS               | Australian Bureau of Statistics  |
| ACH Act           | <i>Aboriginal Cultural Heritage Act 2003</i>                             |
| AEC               | Areas of Environmental Concern   |
| AGO               | Australian Greenhouse Office   |
| AHD               | Australian Height Datum  |
| am                | Ante meridiem (before noon)  |
| AMG               | Australian Map Grid  |
| AMTD              | Adopted Middle Thread Distance   |
| ANZECC            | Australian and New Zealand Environment and Conservation Council          |
| APHA              | American Public Health Association                                       |
| ARI               | Average Recurrence Interval  |
| ARMCANZ           | Agriculture and Resource Management Council of Australia and New Zealand |
| ARY               | Aldoga Rail Yard   |
| AS                | Australian Standard  |
| ASS               | Acid Sulfate Soils   |
| AusRIVAS          | Australian River Assessment System                                       |
| AWWA              | Australian Waste Water Association                                       |
| BBNET             | Brigalow Belt and New England Tablelands                                 |
| bgl               | Below Ground Level   |
| BH                | Borehole   |
| BoM               | Bureau of Meteorology  |
| BS                | British Standard   |

|                 |  |
|-----------------|--|
| Bst             | Billion short tons   |
| BTE             | Bureau of Transport Economics                                |
| BTEX            | Benzene, Toluene, Ethylbenzene and Xylene                    |
| C15 – C28       | Carbon 15 – 28   |
| C29 – C36       | Carbon 29 – 36   |
| CAMBA           | China/Australia Migratory Bird Agreement                     |
| CAS             | Community Advisory Service                                   |
| CBD             | Central Business District                                    |
| CEMP            | Construction Environmental Management Plan                   |
| CG              | Coordinator-General  |
| CHMP            | Cultural Heritage Management Plan                            |
| CID             | Community Infrastructure Designation                         |
| CLR             | Contaminated Land Register                                   |
| cm              | centimetre   |
| cmol            | centimoles   |
| CMS             | Convention on Migratory Species                              |
| CO              | Carbon monoxide  |
| CO <sub>2</sub> | Carbon dioxide   |
| Coastal Act     | <i>Coastal Protection and Management Act 1995</i>            |
| CoRTN           | Calculation of Road Traffic Noise                            |
| CPI             | Consumer Price Index   |
| CQPA            | Central Queensland Ports Authority                           |
| CQRGMF          | Central Queensland Regional Growth Management Framework 2002 |
| CR              | Calliope River   |
| CRC             | Cooperative Research Centre                                  |
| CSC             | Calliope Shire Council                                       |
| Cth             | Commonwealth   |
| CTMP            | Construction Traffic Management Plan                         |
| dBA             | Decibel (A-weighted)   |
| dB(lin)         | Unweighted decibels  |
| DBH             | Diameter at Breast Heights                                   |
| DCDB            | Digital Cadastre Database                                    |
| DCP             | Dynamic Cone Penetrometer                                    |
| DEO             | Desired Environmental Outcome                                |
| DES             | Department of Emergency Services                             |
| DEWHA           | Department of Environment, Water, Heritage and the Arts      |
| DIP             | Department of Infrastructure and Planning                    |
| DME             | Department of Mines and Energy                               |
| DMR             | Department of Main Roads                                     |

|             |  |
|-------------|--|
| DNRW        | Depart of Natural Resources and Water                                |
| DPIF        | Department of Primary Industries and Fisheries                       |
| DWF         | Dry Weather Flow   |
| E           | East   |
| EAT         | Emerson Aggregate Test   |
| EC          | Electrical Conductivity  |
| EDR         | Environmental Design Report  |
| EEMBL       | East End Mine Branch Line  |
| eg          | For example  |
| EIS         | Environmental Impact Statement                                       |
| EL          | Elevation Level  |
| EMP         | Environmental Management Plan  |
| EMP(C)      | Environmental Management Plan (Construction)                         |
| EMP(O)      | Environmental Management Plan (Operation)                            |
| EMP(P)      | Environmental Management Plan (Planning)                             |
| EMR         | Environmental Management Register                                    |
| EMS         | Environmental Management System                                      |
| ENE         | East northeast   |
| ep          | Equivalent Person  |
| EP Act      | <i>Environmental Protection Act 1994</i>                             |
| EPA         | Environmental Protection Agency                                      |
| EPBC Act    | <i>Environment Protection and Biodiversity Conservation Act 1999</i> |
| EPBC Report | EPBC Act Protected Matter Report                                     |
| EPP(Air)    | Environmental Protection Policy (Air) 1997                           |
| EPP(Noise)  | Environmental Protection Policy (Noise) 1997                         |
| EPP(Water)  | Environmental Protection Policy (Water) 1997                         |
| ERA         | Environmentally Relevant Activity                                    |
| ESA         | Equivalent Standard Axle   |
| ESD         | Ecologically Sustainable Development                                 |
| ESE         | East southeast   |
| ESP         | Exchangeable Sodium Percentage                                       |
| EV          | Environmental Value  |
| EVR         | Endangered, Vulnerable or Rare                                       |
| FSL         | Full Supply Level  |
| g/s         | Grams per second   |
| GAWB        | Gladstone Area Water Board   |
| GBRWHA      | Great Barrier Reef World Heritage Area                               |
| GCC         | Gladstone City Council   |
| GEIDB       | Gladstone Economic and Industry Development Board                    |

|                   |  |
|-------------------|--|
| Gg                | Greenhouse gas   |
| GGMI              | Gladstone Growth Management Initiative                       |
| GIRTP             | Gladstone Integrated Regional Transport Plan                 |
| GLPRRI            | Gladstone Land, Port, Rail and Road Infrastructure           |
| GMU               | Groundwater Management Unit                                  |
| GNP               | Gladstone Nickel Project                                     |
| GPC               | Gladstone Ports Corporation                                  |
| GPN               | Gladstone Pacific Nickel Limited                             |
| GOAL              | Good Quality Agricultural Land                               |
| GRC               | Gladstone Regional Council                                   |
| GSDA              | Gladstone State Development Area                             |
| GST               | Goods and Services Tax                                       |
| GW/hr             | Gigawatts per hour   |
| GWP               | Global Warming Potential                                     |
| H <sub>2</sub>    | Hydrogen   |
| H <sub>2</sub> O  | Water  |
| ha                | Hectare  |
| HERBRECS          | Queensland Herbarium Records System                          |
| hr                | Hour   |
| Hz                | Hertz  |
| IDAS              | Integrated Development Assessment System                     |
| ie                | That is  |
| IOS               | International Organization for Standardization               |
| IPA               | <i>Integrated Planning Act 1997</i>                          |
| IP Reg            | Integrated Planning Regulation 1998                          |
| JAMBA             | Japan/Australia Migratory Bird Agreement                     |
| kg/m <sup>3</sup> | Kilograms per cubic metre                                    |
| kHz               | Kilohertz  |
| kL                | Kilolitres   |
| KL/d              | Kilolitres per day   |
| km                | Kilometre  |
| km <sup>2</sup>   | Square kilometres  |
| KRA               | Key Resource Area  |
| kV                | Kilo volt  |
| KW/hr             | Kilowatts per hour   |
| L                 | Litre  |
| L/min             | Litres per minute  |
| L/s               | Litres per second  |
| LA10              | A-weighted sound pressure level exceeded for 10% of the time |

|                        |   |
|------------------------|---|
| L <sub>A90</sub>       | A-weighted sound pressure level exceeded for 90% of the time (background) |
| L <sub>Aeq</sub>       | Average A-weighted sound pressure level                                   |
| L <sub>AMAX</sub>      | Maximum A-weighted sound pressure level                                   |
| LC                     | Larcom Creek  |
| LGA                    | Local Government Area   |
| LNG                    | Liquefied Natural Gas   |
| LOR                    | Level of Reporting  |
| LP Act                 | <i>Land Protection (Pest and Stock Route Management) Act 2002</i>         |
| LP Regulation          | <i>Land Protection (Pest and Stock Route Management) Regulation 2003</i>  |
| LWD                    | Large Woody Debris  |
| m                      | Metre   |
| mb                     | Millibars   |
| m/s                    | Metres per second   |
| m <sup>3</sup>         | Cubic metres  |
| MCU                    | Material Change of Use  |
| mg/L                   | Milligrams per Litre (10 <sup>-3</sup> )                                  |
| mg/m <sup>2</sup> /day | Milligram per square meter per day  |
| MIC                    | Maximum Instantaneous Charge  |
| mins                   | Minutes   |
| ML                     | Mega Litre (10 <sup>6</sup> )   |
| MLARP                  | Moura Link- Aldoga Rail Project   |
| MLEO                   | Moura Link Eastern Option   |
| MLN                    | Moura Link North  |
| MLWO                   | Moura Link Western Option   |
| m <sup>2</sup>         | Square metres   |
| m <sup>2</sup> /d      | Square metres per day   |
| m <sup>3</sup> /s      | Cubic metres per second   |
| mm                     | Millimetres   |
| mm/s                   | Millimetres per second  |
| mm/year                | Millimetres per year  |
| MODL                   | Migration Occupation in Demand List                                       |
| MSDS                   | Material Safety Data Sheets   |
| MSL                    | Moura Short Line  |
| Mt                     | Million tonnes  |
| Mtpa                   | Million tonnes per annum  |
| N                      | North   |
| N <sub>2</sub> O       | Nitrous oxide   |
| na                     | Not applicable  |
| NATA                   | National Association of Testing Authorities                               |

|                   |   |
|-------------------|---|
| NC Act            | <i>Nature Conservation Act 1992</i>                                       |
| NC Regulation     | Nature Conservation Regulation (Wildlife) Regulation 2006                 |
| NCL               | North Coast Line  |
| NCN               | No Common Name  |
| NE                | Northeast   |
| NEPC              | National Environment Protection Council                                   |
| NEPM(Air)         | National Environment Protection Measure                                   |
| NES               | National Environmental Significance                                       |
| NHMRC             | National Health and Medical Research Council                              |
| NNE               | North northeast   |
| NPI               | National Pollutant Inventory  |
| NTU               | Nephelometric Turbidity Unit - used to measure turbidity (water clarity). |
| NVIS              | National Vegetation Information System                                    |
| NNW               | North northwest   |
| NW                | Northwest   |
| O <sub>2</sub>    | Oxygen  |
| OCP               | Organochlorine Pesticide  |
| OEMP              | Operational Environmental Management Plan                                 |
| OESR              | Office of Economic and Statistical Research                               |
| OPP               | Organophosphorous Pesticide   |
| OTMP              | Operational Traffic Management Plan                                       |
| PAH               | Polynuclear Aromatic Hydrocarbons   |
| PASS              | Potential Acid Sulfate Soils  |
| PCB               | Polychlorinated Biphenyls   |
| PCCC              | Port Curtis Coral Coast Native Title Applicants                           |
| PIFU              | Planning, Information and Forecasting Unit                                |
| pm                | Post meridiem (after noon)  |
| PM <sub>10</sub>  | Particulate matter less than 10 µm in aerodynamic diameter                |
| PM <sub>2.5</sub> | Particulate matter less than 2.5 µm in aerodynamic diameter               |
| PPE               | Personal Protective Equipment   |
| ppm               | Parts per million (by volume)   |
| PPV               | Peak Particle Velocity  |
| QAL               | Queensland Alumina Limited  |
| QCA               | Queensland Competition Authority  |
| QLD               | Queensland  |
| QR                | QR Limited  |
| QWQG              | Queensland Water Quality Guidelines                                       |
| RAP               | River Analysis Package  |
| RASE              | Restricted Area Search Engine   |

|           |   |
|-----------|---|
| RBL       | Rating Background Level   |
| RE        | Regional Ecosystem  |
| RGTCT     | RG Tanna Coal Terminal  |
| RIFA      | Red Imported Fire Ants  |
| RL        | Relative Level  |
| RNE       | Register of National Estate                                     |
| ROP       | Resource Operations Plan  |
| RSF       | Residue Storage Facility  |
| RTA       | Rio Tinto Aluminium   |
| RVMC      | Regional Vegetation Management Code                             |
| S         | South   |
| SBR       | Surat Basin Rail Project  |
| SD        | Statistical Division  |
| SE        | Southeast   |
| SEQ       | South East Queensland   |
| SEVT      | Semi-evergreen Vine Thicket                                     |
| SIA       | Social Impact Assessment  |
| SML       | Southern Missing Link   |
| SMP       | Safety Management Plan  |
| sp.       | Species   |
| SPDWO Act | <i>State Development and Public Works Organisation Act 1971</i> |
| spp.      | Used to refer to all the individual species within a genus      |
| SPP       | State Planning Policy   |
| SPT       | Standard Penetration Test                                       |
| SSE       | South southeast   |
| SSW       | South southwest   |
| STP       | Sewerage Treatment Plant  |
| SW        | Southwest   |
| SWL       | Standing Water Level  |
| t         | Tonne   |
| TDS       | Total Dissolved Solids  |
| TE        | Train Examination   |
| TEOM      | Tapered Element Oscillating Microbalance                        |
| TIA       | <i>Transport Infrastructure Act 1994</i>                        |
| TMP       | Traffic Management Plan   |
| ToR       | Terms of Reference  |
| TP        | Test Pit  |
| TPH       | Total Petroleum Hydrocarbon                                     |
| TSP       | Total Suspended Particulates                                    |

|        |   |
|--------|---|
| UDIA   | Urban Development Institute of Australia          |
| US     | United States                                     |
| VAC    | Visual Absorption Capacity                        |
| VM Act | <i>Vegetation Management Act 1999</i>             |
| VRMSP  | Vegetation Rehabilitation and Management Sub Plan |
| W      | West  |
| WICT   | Wiggins Island Coal Terminal                      |
| WMSP   | Weed Management Sub Plan                          |
| WNW    | West northwest                                    |
| WQO    | Water Quality Objectives                          |
| WSW    | West southwest                                    |