
%	percent
µg/m ³	micrograms per cubic metre
µm	microns
<	less than
>	greater than
µg/g	Microgram per gram
µg/L	micrograms per litre
µS/cm	microseconds per centimetre
°C	Degrees Celsius
AAPA	Aboriginal Areas Protection Authority
AASS	Actual Acid sulphate soils
ABS	Australian Bureau of Statistics
AC	Acid consuming
Accretionary wedge	Sedimentary rocks accreted onto a plate boundary through tectonic movement.
ACHA	<i>Aboriginal Cultural Heritage Act 2003</i>
ADCP	acoustic doppler current profilers
AEP	annual exceedance probability
AGO	Australian Greenhouse Office
AHD	Australian Height Datum
AIM	Alternative Investment Market
AKAU	Aker Kvaerner Australia
Al	Aluminium
alluvium	Unconsolidated sediment deposited in a fluvial system.
ALRA	Commonwealth <i>Aboriginal Land Rights Act</i>
AMC	Australian Magnesium Corporation
AMSA	Australian Maritime Safety Authority
Amsul	Ammonium Sulphate
ANC	Acid neutralising capacity
animal taxa	Taxa are taxonomic units describing organisms in a hierarchical grouping. The level of taxa commonly referred to in the description of flora and fauna are: Family, <i>Genus</i> and <i>species</i>
ANZECC	Australia and New Zealand Conservation Council
APIA	Australian Pipeline Industry Association
AQIS	Australian Quarantine Inspection Service
Aquifer	any geological formation containing or conducting ground water, esp. one that supplies the water for wells, springs, etc.
Aquitard	An aquitard is a zone within the earth that restricts the flow of groundwater from one aquifer to another
ARI	Average Recurrence Interval
AS	Australian Standards, Standards Australia
As	Arsenic

AS/NZS	Australian Standards/New Zealand Standards
ASS	Acid sulphate soils
ASU	Air separation unit
ATSIC	Aboriginal and Torres Strait Islander Commission
Autodock	System utilised to secure the vessel in position against the wharf using a hydraulic claw and swing arm.
av	Average
BBKY	Darumbal and Barada, Barna, Kabalbarra and Yetimarla
Beneficiation	Beneficiation is a combination of processes through which ore is reduced to particles that can be separated into mineral and waste, the former suitable for further processing or direct use.
Berm	Horizontal strip or shelf built into an embankment or cut to break the continuity of the slope.
Bioregion	A specific bio-geographic zone with a repeating or similar pattern biotic (flora and fauna) and abiotic (soils, terrain, geography, climate and rainfall) factors.
BMR	Bureau of Mineral Resources
BoM	Bureau of Meteorology
Bonn Convention	Convention on the Conservation of Migratory Species of Wild Animals.
BRIC countries	Brazil, Russia, India and China
Bund	Raised bank around tanks and containers, designed to capture all contained liquids in a spill.
Ca	Calcium
CaCO ₃	Calcium carbonate
CAMBA	China-Australia Bird Agreement
CAR	Comalco Alumina Refinery
CASA	Civil Aviation Safety Authority
Cathodic Protection system	A technique utilised to control the corrosion of a metal surface by making that surface the cathode of an electrochemical cell.
CCD	Counter-current decantation
CCRMP	Curtis Coast Regional Management Plan
Cd	Cadmium
CDEP	Community Development Employment Program
CG	Coordinator-General
HAZOP	Control Hazard and Operability Study
CHEM Services	Chemical Hazards and Emergency Management Services
CHIMA	Cultural Heritage Investigation Management Agreement
CHMP	Cultural Heritage Management Plan
CHMS	Cultural Heritage Management Strategy
Cl	Chlorine
CLR	Contaminated Land Register
Co	Carbon monoxide and Cobalt particulate
CO ₂	Carbon dioxide

CO _{2-e}	CO ₂ equivalent
CO _{2-e} /y	CO ₂ equivalent per year
CO ₃	Carbonate
Colloidal material	Finely divided solids which will not settle but which may be removed by coagulation
colluvium	loose earth material that has accumulated at the base of a hill, through the action of gravity
CQRGMF	Central Queensland Regional Growth Management Framework
CQGP	Central Queensland Gas Pipeline
CQPA	Central Queensland Ports Authority
CQU	Central Queensland University
Cr	Chromium
CSC	Calliope Shire Council
CSIRO	Commonwealth Scientific and Industrial Research Organisation
Cu	Copper
DAFF	Commonwealth Department of Agriculture, Fisheries and Forestry
dB	Decibel
dd	data deficient
DEH	Department of Environment and Heritage; formerly Environment Australia (Commonwealth Government)
DES	Department of Emergency Services
DFS	Definitive Feasibility Study
DGSM Act	<i>Dangerous Goods Safety Management Act 2001</i>
DGT	Diffuse Gradients in Thin films (passive samplers)
DHCS	Department of Health and Community Services
DLGPSR	Department of Local Government Planning and Sport and Recreation
DME	Department of Mines and Energy
DMR	Department of Main Roads
dmt	dry metric tonnes
dmt/y	dry metric tonnes per year
DNRW	Department of Natural Resources and Water
DO	Dissolved oxygen
DoH	Department of Housing
DOS	Degree of saturation
DPA	Dugong Protection Area
DPIF	Department of Primary Industries and Fisheries
DSL	Digital Subscriber Line technology transmits data over phone lines without interfering with voice service.
DWT	Dead weight tonnes
e.g.	for example
EC	Electrical conductivity. A measure of mineral salt content of groundwaters
EDL	Energy Developments Limited

EEO	Energy efficiency operations
EHS	Environment, health, and safety
EIA	Environmental Impact Assessment
EIL	environmental investigation levels
EIS	Environmental Impact Statement
EMP	Environmental Management Plan
EMR	Environmental Management Register
EMS	Environmental Management System.
endemic	Native to or confined to a certain region.
ENM	Noise modelling program
EP Act	<i>Environmental Protection Act 1994</i>
EPA	Environmental Protection Agency
EPAV	Environmental Protection Agency for Victoria
EPBC Act	<i>Environmental Protection and Biodiversity Conservation Act 1999.</i>
Ephemeral	Running fresh water channels that are periodically inundated
EPM	Exploration Permit for Minerals
EPP	Environmental Protection Policy
ERA	Environmentally Relevant Activity
ESA	Equivalent standard axle
ESD	Ecologically sustainable development
ESN	Enhanced saprolite neutralisation
ESP	Exchangeable Sodium Percentage; the proportion of sodium adsorbed onto a material surface as a proportion of the total cation exchange capacity.
Eutrophic, Eutrophication	The reduction of oxygen in a water body due to high levels of nitrification and subsequent consumption by biota
EVR	Endangered , Vulnerable and/or Rare species
FBA	Fitzroy Basin Association
Fe	Iron
FeS ₂	Pyrite
FHA	Fish Habitat Areas
FIFO	fly-in/fly-out
FoS	Factor-of-Safety
g/m ² /month	grams per metre squared per month
g/t	grams per tonne
gabions	Permeable heavy barriers to assist in the protection of soil banks by preventing erosion
GAIN	Gladstone Area Industry Network
GAMS	Gladstone Airshed Modelling System
GAPDL	Gladstone Area Promotion and Development Limited
GAWB	Gladstone Area Water Board
GBR Coast MP	Great Barrier Reef Coast Marine Park
GBRMP	Great Barrier Reef Marine Park

GBRMPA	Great Barrier Reef Marine Park Authority
GBRWHA	Great Barrier Reef World Heritage Area
GCC	Gladstone City Council
GDP	Gross Domestic Product
GEA	Gladstone Engineering Alliance
GEIDB	Gladstone Economic and Industry Development Board
genset	Generator set
GHG	Greenhouse Gas
GHIMA	Cultural Heritage Investigation Management Agreement
Gilgai	Black soil substrate with small localised depressions that are ephemerally inundated, usually associated with Brigalow vegetation
GIS	Global Information System
GJ	Giga Joule
GJ/y	Giga Joules per year
GL	Giga litre
GNP	Gladstone Nickel Project
GNL	Gladstone Pacific Nickel Limited
GPS	Gladstone Power Station
GQAL	Good quality agricultural land
GRP	Gross Regional Product
GSDA	Gladstone State Development Area
GSP	Gross State Product
GWDB	Groundwater Resource Information
GWh	Gigawatt hours
H	Horizontal
H ₂ O	Water
H ₂ O ₂	Hydrogen peroxide
H ₂ S	Hydrogen sulphide
H ₂ SO ₄	Sulphuric acid
ha	Hectares
HAT	Highest Astronomical Tide
HAZID	hazard identification
Hazmat truck	Emergency services vehicle with specialised hazardous material treatment capabilities
HAZOP	Hazard and Operability Study
HCO ₃	Bicarbonate ion
HDD	Horizontal directional drilling
HDPE	High Density Polyethylene
Heavy vehicle hardstands	Parking areas for heavy vehicles
Hg	Mercury
HIL	health-based investigation level

HIRARC	Hazard identification, risk assessment and risk control methodology
HMS	High magnesium saprolite
HP	High pressure
HPAL	High pressure acid leach
HPAL	High-pressure acid leach
HPZ	Habitat Protection Zones
HSE	Health, Safety and Environment
HSEC	Health, Safety, Environment and Community.
HSEMP	Health, Safety and Environment Management Plan
HSIS	Hazardous Substances Information System
HW	Highly weathered
i.e.	that is
IAS	Initial Advice Statement
ICHA	Initial Cultural Heritage Assessment
IDAS	Integrated Development Assessment System
ILUA	Indigenous Land Use Agreement
IMO	International Maritime Organisation
Intertidal	between high and low water
IP Act	<i>Integrated Planning Act 1997</i>
IRMS	integrated risk management system
IRSA	Inter-ramp slope angle
ISO	International environmental management standard
IUCN	International Union for the Conservation of Nature
JAMBA	Japan-Australia Migratory Bird Agreement
JORC	Australasian Joint Ore Reserves Committee
JSA	Job Safety Analysis
K	Potassium
kg	kilogram
Kg H ₂ SO ₄ /t	kg of sulphuric acid per tonne
kg/ha	kilogram per hectare
kL	kilolitres
kL/day	kilolitres per day
km	kilometre
km/h	kilometre per hour
km ²	square kilometre
KP	Kilometre point
kPa	Kilo Pascal
KPIs	key performance indicators
kV	kilo volts
kVA	Kilo Volt Amps
L	litre

L/s	Litres per second
L/y	litres per year
L _{A1, 10, 90}	Noise levels exceeded 1%, 10% or 90% of the time
LAT	Lowest Astronomical Tide
Lateritic Nickel, Laterites	Nickel ores formed through weathering of lateritic soils
lc	least concern
LCZ	landscape character zones
LGA	Local government area
Liquor, Residue liquor	a liquid substance (water) that is a solution (or emulsion or suspension) used to carry the minerals of interest in the process
lithology	The microscopic study, description, and classification of rock
LMS	Low magnesium saprolite
LOM	Life of mine
LP	Low pressure
LP(P&SR) Act	<i>Land Protection (Pest and Stock Route) Management Act 2002</i>
LR	Low risk
m	metre
M	million
m/d	metres per day
m/m	metres/metre
m/s	metres per second
m ²	square metre
m ³	cubic metres
m ³ /h	cubic metres per hour
m ³ /s	cubic metres per second
m ³ /y	cubic metres per year
mbgl	Metres below ground level
MEB	Medical Entomology Branch
mg	milligram
Mg	Magnesium
mg/L	milligrams per litre
MHF	major hazard facility
ML	million litres or megalitre
ML	Mineral Lease
ML/d	Megalitre per day
ML/y	million litres or megalitre per year
mm	millimetre
mm	millimetre
mm/day	millimetres per day
Mm ³	million cubic metres

Mn	Manganese
MnO ₂	manganese dioxide
MNPL	Marlborough Nickel Pty Ltd
MOU	Memorandum of Understanding
MP	Medium pressure
MPA	Maximum potential acid
MPF	Major Project Facilitation
MSDSs	Material Safety Data Sheets
MSP	Mixed sulphide precipitation
MSQ	Maritime Safety Queensland
Mt	million tonnes
Mt/y	million tones per year
Mtpa	million tonnes per annum
MW	megawatt
MWh	megawatt hours
MWQP	Marine Water Quality Program
N ₂ O	Nitrous oxide
Na	Sodium
NAF	Non-acid forming
NAG	Net acid generation
NAPP	Net acid producing potential
NATA	National association of testing authorities
NC Act	<i>Nature Conservation Act 1992</i>
NDT	Non-destructive testing
NEPC	National Environmental Protection Council
NEPM	National Environmental Protection Measure
NES	National Environmental Significance
NGS	National Greenhouse Strategy
NHMRC	National Health and Medical Research Council
Ni	Nickel
NO	Nitric oxide
NO ₂	Nitrogen dioxide
NOHSC	National Occupational Health and Safety Commission
NO _x	Oxides of nitrogen
NPI	National pollution inventory
NSW EPA	New South Wales Environmental Protection Agency
nt	near threatened
NT Act	Native Title Act 1993
NTU	Nephelometric turbidity units
NZS	New Zealand standard
O ₂	Oxygen

O ₃	Ozone
OD	Outside diameter
OHS	Occupational health and safety
OLS	Obstacle Limitation Surface
OPP	Ore preparation plant
OPSIM	Operation simulation model
PABX	Private Automatic Branch Exchange typically hosting multiple phone extensions and a main site dial in number.
PAF	Potentially acid forming
PAMs	Pre-assembled modules
PASS	Potential acid sulphate soils
Pathogens	An agent that causes infection or disease, especially a micro-organism, such as a bacterium or protozoan, or a virus
Pb	Lead
PbS	Galena
PCCC	Port Curtis-Coral Coast
PCIMP	Port Curtis Integrated Monitoring Program
PCs	Personal computers
pH	measure of acidity (<7) or alkalinity (>7) of a (water) sample.
Phreatic Surface	The top of the water table in a soil structure
Piezometric level	Measurement of potential groundwater pressure in aquifers
PIFU	Planning Information Forecasting Unit
PJ/a	PetaJoules per annum
PM	Particulate matter (fine dust)
PM _{2.5} and PM ₁₀	Particulate matter less than 2.5 or 10 microns
PMF	Probable Maximum Flood
PMG	Pearce Matheson Group Pty Ltd
PPE	Personal Protection Equipment
Prill/pastille sulphur	Sulphur powder that has been compacted into a pellet or tablet form
PSSA	'Particularly Sensitive Sea Area'
QAS	Queensland Ambulance Service
QFRS	Queensland Fire and Rescue Service
QPS	Queensland Police Service
QR	Queensland rail
QRA	quantitative risk assessments
RAMSAR	Ramsar sites are wetlands of international importance designated under the Ramsar Convention
REs	Regional Ecosystems
RIFA	red imported fire ants
Riparian	Pertaining to the riverine zone or area of vegetation associated with a water course
Riprap	Rock or other material used to stabilize shore.

RL	Reduced level (relative height compared to Australian Height Datum)
RLMS	Resource and Land Management Services
RMA	Residue management area and Resource Modelling Associates
ROM	Run of mine
ROW	Right-of-way
rpm	Revolution per minute
RSF	Residue Storage Facility
S.L.A.M	Stop Look Assess Manage
SAG	Semi Autogenous Grinding
SAP	Sulphuric Acid Plant
SCADA	Supervisory Control and Data Acquisition
scat	Dung left by animals aiding in identification
SDPWO Act	<i>State Development and Public Works Organisation Act 1971</i>
Se	Selenium
SEP	Stanwell Energy Park
SES	State Emergency Service
SKM	Sinclair Knight Merz
SLA	Statistical Local Area
SLOT DTL	Specified Level of Toxicity Dangerous Toxic Load
SMS	Safety Management System.
SN	Solution neutralisation
SO ₂	Sulphur dioxide
SO ₃	Sulphur trioxide
SO ₄	Sulphate
SOPs	Standard Operating Procedures
SPP	State Planning Policy
STEL	Short term exposure limit
Supratidal	above high water
t	tonnes
t/a, tpa, t/y	tonnes per annum
t/y	Tonnes per year
Tailings	The unwanted sand, silt, clay and a proportion of the very fine ore fractions removed in the ore mining and refining process.
TAPM	CSIRO's The Air Pollution Model
Taxa	Taxonomic units describing organisms in a hierarchical grouping. The level of taxa commonly referred to in the description of flora and fauna are: Family, <i>Genus</i> and <i>species</i>
TDS	Total dissolved solids
Ti	Titanium
Toolbox meeting	Meetings of personnel at the beginning of the shift to detail information, issues and hazards applicable to that days work.
TOR	Terms of Reference

TOC	Total organic carbon
TOs	traditional owners
tph	tonnes per hour
Transmissivity	The transmissivity of an aquifer is a measure of how much water can be transmitted horizontally
TSF	Tailings storage facility
TSP	Total suspended particles
TSS	Total suspended solids
TWA	Time weighted average
UNFCCC COP3	Conference of the Parties to UNFCCC
UNFCCC	United Nations Framework Convention on Climate Change
URS	URS Australia Pty Ltd
V	Vertical when referring to slope angle or Volts when referring to power
VM Act	<i>Vegetation Management Act 1999</i>
VOC	Volatile organic compounds
Vu	Vulnerable
Vug	A small cavity in rock, often lined with crystals
WA	Western Australia
WAN	Wide Area Network, connects office for data communications like internal email
WHS Act	<i>Workplace Health and Safety Act 1995</i>
WHO	World Health Organisation
WICT	Wiggins Island Coal Terminal
WIW	Wiggins Island Wharfs
WONS	Weeds of national significance
WQOs	water quality objectives
WTP	Water treatment plant
y	year
Zn	zinc
ZnS	Sphalerite