Alpha Coal Project Environmental Impact Statement

D Glossary, Abbreviations and Units







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Appendix D Glossary, Abbreviations and Units

D.1 Volume 1 and Volume 2

Term	Definition
Alpha Coal Project (Mine) or the Project	Proposed 30 Mtpa open cut coal mine located within the Galilee basin on MLA 70426
Alpha Coal Project (Rail) or the Project	Railway corridor running from the rail loop at the Alpha Coal Project (Mine) to the loud- out facility at Abbot Point Port
The EIS	Alpha Coal Project Environmental Impact Statement
The Proponent	Hancock Prospecting Pty Ltd

Abbreviation	Definition
A-#	Alpha cultural heritage site ID
AADT	Annual Average Daily Traffic
AARC	AustralAsian Resource Consultants
ABARE	Australian Bureau of Agricultural and Resource Economics
ABS	Australian Bureau of Statistics
ACARP	Australian Coal Association Research Program
ACCC	Australian Competition and Consumer Commission
ACH Act	Aboriginal Cultural Heritage Act 2003
ACH Act (Qld)	Aboriginal Cultural Heritage Act 2003 (Qld)
AEP	Annual Exceedance Probability
AGC	Australian Groundwater Consultants
AGO	Australian Government Department of Climate Change
AHD	Australian Height Datum
AHPI	Australian Heritage Place Inventory
ALARP	as low as reasonably practicable
ALS	Australian Laboratory Services
AMD	Acid and Metalliferous Drainage
AN	Ammonium nitrate
ANC	Acid Neutralising Capacity
ANFO	Ammonium nitrate fuel oil
ANRA	Australian Natural Resources Atlas
ANZECC	Australia and New Zealand Environment Conservation Council
ANRA	Australian Natural Resource Atlas
APCT	Abbot Point Coal Terminal
ARI	Average Recurrence Interval
AS/NZS	Australian Standards/New Zealand Standards
AS	Australian Standard

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Abbreviation	Definition
ASX	Australian Securities Exchange
ATA	Alpha Township Airport
ATP	Authority to Prospect
AUSRIVAS	Australian River Assessment System
AWS	Automatic Weather Station
BFS	Bankability Feasibility Study
BIBO	Bus-in Bus-out
BMP	Blasting Management Plan
BOM	Bureau of Meteorology
Bonn Convention	Convention on the Conservation of Migratory Species of Wild Animals.
BPA	Biodiversity Planning Assessment
BPO	Barcaldine Post Office
BRC	Barcaldine Regional Council
BSTP	Bulk Sample Test Pit
Burra Charter	The Australia ICOMOS Charter for the Places of Cultural Significance (1999)
BWE	Bucket wheel excavation
С.	Approximately
CAMBA	China-Australia Bird Agreement
CASA	Civil Aviation Safety Authority
CCS	Carbon Capture and Storage
CCTV	Closed circuit television
CEC	Cation Exchange Capacity
CEMP	Construction Environment Management Plan
CH ₄	Methane
CHMP	Cultural Heritage Management Plan
CHPP	Coal Handling and Preparation Plant
CHRC	Central Highlands Regional Council
CL	Clay
CLR	Contaminated Land Register
CN	Stony coal
CO	Carbon monoxide
CO ₂	Carbon dioxide
CO _{2-e}	Carbon dioxide equivalent emissions
CO _{2-e} /y	Carbon dioxide equivalent per year
CoG	The Coordinator-General of the State of Queensland
Converge	Converge Heritage + Community
CoP	Code of Practice
CoRTN	Calculation of Road Traffic Noise
CPP	Coal Processing Plant
CPRS	Carbon Pollution Reduction Scheme

Abbreviation	Definition
CRC	Cooperative Research Centres
CS	Claystone
CSAS	Coal Sector Adjustment Scheme
CSG	Coal Seam Gas
CSIRO	Commonwealth Scientific and Industrial Research Organisation
CSN	Crucible Swelling Number
CU	Upper C Seam
CV	Commercial Vehicles
DCC	Commonwealth Department of Climate Change
DCCEE	Department of Climate Change and Energy Efficiency (Commonwealth Government)
DCS	Qld Department of Community Safety
DEC	Department of the Environment and Conservation, NSW Government
DEEDI	Qld Department of Employment, Economic Development and Innovation
DEET	Former Qld Department of Employment, Education, and Training (now DET)
DERM	Queensland Department of Environment and Resource Management
DES	Former Qld Department of Emergency Services
DEWHA	Department of the Environment, Water, Heritage and the Arts
DEWR	Department of Employment and Workplace Relations
DHCS	Former Department of Health and Community Services
DHLGP	Department of Housing and Local Government Planning
DIDO	Drive-in Drive-out
DIM&IA (ATSIC Disbanded)	Department of Immigration, Multicultural and Indigenous Affairs
DIP	Qld Department of Infrastructure and Planning
DLGPSR	Department of Local Government, Planning, Sport and Recreation
DLL	D Lower Seam
DLM	D Middle Seam
DMC	Dense Medium Cyclone
DME	Former Qld Department of Mines and Energy (now DEEDI)
DNRW	Former Qld Department of Natural Resources and Water (now DERM)
DO	Dissolved oxygen
DOS	Degree of Saturation
DPI	Department of Primary Industries
DPIF	Department of Primary Industries and Fisheries
DSA	Design Storage Allowance
DTMR	Department of Transport and Main Roads
DU	D Upper Seam
e.g.	For example
EA	Environmental Authority
EC	Electrical conductivity

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Abbreviation	Definition
EDC	Environmental Design Criteria
EEO	Energy Efficiency Opportunities
EF	Emission factor
EFO	Environmental Flow Objectives
EIS	Environmental Impact Statement
EMM	Environmental Monitoring Manual
EMOS	Environmental Management Overview Strategy
EMP	Emergency Management Plan (or Environmental Management Plan)
EM Plan	Environmental Management Plan
EMR	Environmental Management Register
EMS	Environmental Management System
ENSO	El Niño/La Niña-Southern Oscillation
EP	Equivalent persons
EPA	Queensland Environmental Protection Authority
EP Act	Environmental Protection Act 1994 (Qld)
EPBC	Environmental Protection and Biodiversity Conservation
EPBC Act	Environmental Protection and Biodiversity Conservation Act 1999 (CWLTH)
EPC	Exploration Permit for Coal
EPCA	Exploration Permit for Coal Application
EPP	Environmental Protection Policy (water, air, waste and noise)
EPP	Exploration Petroleum Permits
EPR	Environmental Protection Regulation 2008
EPT	Ephemeroptera, Plecoptera and Trichoptera taxa
ERA	Environmentally Relevant Activity
ERE	Endangered Regional Ecosystem
ESA	Environmentally Sensitive Area
ESCP	Erosion and sediment control plan
ESD	Ecologically sustainable development
ESP	Exchangeable Sodium Percentage
EVs	Environmental Values
FEL	Front End Loader
FIFO	Fly-in Fly-out
FoS	Factor-of-Safety
FTE	Full Time Equivalent
GAB	Great Artesian Basin
GDA94	Geocentric Datum of Australia 1994
GDP	Gross Domestic Product
GDR	Great Dividing Range
GGE	Greenhouse Gas Emissions
GGSA	Greenhouse Gas Storage Act 2009 (Qld)
GHD	Gutteridge Haskins and Davey P/L

Definition
Greenhouse Gas
Giga Joule
Giga Joules per year
Giga litre
Good Quality Agricultural Land (in State Planning Policy 1/92: Development and the Conservation of Agricultural Land)
Gross Regional Product
Gross State Product
Gross calorific value
Ground surface visibility
Gas Turbine
Gigawatt hours
Groundwater monitoring
Global Warming Potential
Horizontal
Hydrogen
Water
Hydrogen sulphide
Sulphuric acid
Bicarbonate
Hydrochloric acid
Hancock Coal Pty Ltd
Hancock Galilee Pty Ltd
Hancock Integrated Management System
Hancock Prospecting Pty Ltd
High Pressure Sodium
Health, Safety, Environment and Community/Heritage
Initial Advice Statement, as defined by Part 4 of the State Development & Public Works Organisation Act 1971
International Council on Monuments and Sites
Integrated Development Assessment System
That is,
Inherent Moisture
Integrated Planning Act 1997 (Qld) (repealed, now SPA 2009)
Intergovernmental Panel on Climate Change or In-Pit Crushing and Conveying
Internal Rate of Return
Interactive Resource Tenure Map
International organisation for standardisation
International Union for the Conservation of Nature
Japan-Australia Migratory Bird Agreement

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Abbreviation	Definition
JORC	Joint Ore Reserves Committee
JSC	Jericho Shire Council
JSEA	Job Safety and Environmental Analysis
JV	Joint Venture
KPIs	Key Performance Indicators
L _{A1, 10, 90}	A Weighted Noise Levels Exceeded 1%, 10% or 90% of the Time
LD	Large Diameter
LFG	Landfill Gas
LHR	Local Government Heritage Register
Lidar	Light Detection and Ranging
LOM	Life of Mine
LOS	Level Of Service
LP Act	Land Protection (Pest and Stock Route Management) Act 2002
LPG	Liquefied Petroleum Gas
LV	Light Vehicle
MDL	Mineral Development Licence
МН	Metal Halide
MIA	Mine Infrastructure Area
MIC	Maximum Instantaneous Change
ML	Mining Lease
MLA	Mining Lease Application
MNES	Matters of National Environmental Significance, as defined by the <i>Environment Protection</i> and <i>Biodiversity Conservation Act 1999</i> (Cwlth)
MOU	Memorandum of Understanding
MR Act	Mineral Resources Act 1989
MRL	Mandatory Reporting Level
MSDS	Material Safety Data Sheet
Mt	Million Tonnes
N ₂ O	Nitrous Oxide
NAF	Non Acid Forming
NATA	National Association of Testing Authorities
NC Act	Nature Conservation Act 1992 (Qld)
NCWR	Nature Conservation Wildlife Regulation 1999
NEPC	National Environmental Protection Council
NEPM (Ambient Air Quality)	National Environment Protection Measure (Ambient Air Quality)
NES	National Environmental Significance
NET	Northern Economic Triangle
NGA	National Greenhouse Accounts
NGER Act	National Greenhouse and Energy Reporting Act 2007
NGS	National Greenhouse Strategy

Abbreviation	Definition
Nm ³	Normal Cubic Metre
No.	Number
NO ₂	Nitrogen Dioxide
NOHSC	National Occupational Health and Safety Commission (Australia)
NOI	Notice of Intent
NO _x	Oxides of Nitrogen
NPI	National Pollutant Inventory
NPR	Net Potential Ratio
NPV	Net Present Value
NPWS	National Parks and Wildlife Service
NQBP	North Queensland Bulk Ports Corporation
NSW	New South Wales
NTA	Native Title Agreement
NT Act	Native Title Act 1993
NTRB	Native Title Representative Body
O ₂	Oxygen
O ₃	Ozone
OCE	Open Cut Examiner - Statutory Position under the Coal Mining Safety and Health Regulation 2001 (Qld)
ODV	Over Dimensional Vehicles
OHS	Occupational Health and Safety
OLC	Overland Conveyor
PAF	Potentially Acid Forming
PAWC	Plant Available Water Capacity
PCBs	Polychlorinated Biphenyls
PCI	Pulverised Coal Injection
PCQ	Ports Corporation of Queensland
PFS	Pre-Feasibility Study
рН	Measure of Acidity (<7) or Alkalinity (>7) of a Sample.
PHMP	Principal Hazard Management Plan
PM	Particulate Matter (fine dust)
PM _{2.5}	Particulate Matter less than 2.5 microns
PM ₁₀	Particulate Matter less than 10 microns
PMF	Probable Maximum Flood
PNL	Planning Noise Levels
PPE	Personal Protective Equipment
PPV	Peak Particle Velocity
PSI	Preliminary Site Investigation
QAS	Queensland Ambulance Service
QDM	Queensland Department of Mines
QFRS	Queensland Fire Rescue Service

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Abbreviation	Definition
QH	Queensland Health
QHR	Queensland Heritage Register
Qld	Queensland
QNT	Queensland National Trust
QR	Queensland Rail
QRC	Queensland Resources Council
QWQ	Queensland Water Quality
RBL	Rating Background Levels
RD	Relative Density
RE	Regional Ecosystem
REDD	Regional Ecosystem Description Database
REMP	Receiving Environment Monitoring Program
RFDS	Royal Flying Doctor Service
RFS	Rural Fire Service
RIA	Road Impact Assessment
RL	Reduced Level (relative height compared to Australian Height Datum)
RLMS	Resource and Land Management Services
RNE	(former) Register of the National Estate
ROM	Run of Mine
ROP	Resource Operation Plans
rpm	Revolution Per Minute
RSO	Radiation Safety Officer
RTN	Right to Negotiate
S	Scientific
SCR	State Controlled Road
SD	Statistical Division
SDPWO Act	State Development and Public Works Organisation Act 1971
SEIS	Supplementary Environmental Impact Statement
SGCP	South Galilee Coal Project
SIA	Social Impact Assessment
SIDRA	Signalised and Unsignalised Intersection Design and Research Aid
SIGNAL	Stream Invertebrate Grade Number – Average Level
SIMP	Social Impact Management Plan
SLA	Statistical Local Area
SMS	Safety Management System
SMU	Soil Management Unit
SNL	Specific Noise Levels
SO ₂	Sulphur Dioxide
SO ₄	Sulphate
SOPs	Standard Operating Procedures

Abbreviation	Definition
SP Act	Sustainable Planning Act 2009
SPP 1/03	State Planning Policy 1/03 Mitigating the Adverse Impacts of Flood, Bushfire and Landslide
SRD	Spoil Runoff Dam
SRE	Short Range Endemic
STP	Sewage Treatment Plant
ТАРМ	The Air Pollution Model
TCLP	Toxic Characteristic Leaching Potential
TDS	Total Dissolved Solids
TI Act	Transport Infrastructure Act 1994
TLO	Train Load Out
TMP	Topsoil Management Plan
TOR	Terms of Reference as Defined by Part 4 of the State Development & Public Works Organisation Act 1971
TR	Tourism Region
TS	Total Sulfur
TSF	Tailings Storage Facility
TSP	Total Suspended Particulates
TSS	Total Suspended Solids
UC	Uncertain
UCG	Underground Coal Gasification
ULP	Unleaded Petrol
UNFCCC	United Nations Framework Convention on Climate Change
UNFCCC COP	Conference of the Parties to UNFCCC
UQSCTL	University of Queensland's Spontaneous Combustion Testing Laboratory
URS	URS Australia
USA	United States of America
V	Vertical When Referring to Slope Angle or Volts When Referring to Power
V:H	Vertical to Horizontal ratio
VAC	Visual Absorption Capability
VAST	Vegetation Assets, States and Transitions
VEA	Voluntary Environmental Assessment
Vis-NIR-SWIR	Visible, Near Infrared, Short Wavelength Infrared
VKT	Vehicle Kilometres Travelled
VOC	Volatile Organic Compound
VM Act	Vegetation Management Act 1999
W & J	Wangan & Jagalingou
WA EPA	Western Australia Environmental Protection Authority
WAN	Wide Area Network
WCI	World Coal Institute

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Abbreviation	Definition
WHO	World Health Organisation
WMP	Weed Management Plan
WMS	Water Management System
WQO	Water Quality Objectives
WRP	Water Resource Plan
WTP	Water Treatment Plant
WWTP	Wastewater Treatment Plant
ZN	Coaly Mudstone

Unit	Definition
%	Percent
μg/m ³	Micrograms per cubic metre
μm	Micrometres
<	Less than
>	Greater than
µg/L	Micrograms per litre
µS/cm	Microsiemens per centimetre
O ⁰	Degrees Celsius
bcm	Bank cubic metres
Bt	Billion tonnes
Cm	Centimetre(s)
dB	Decibels
dS/m	Deci-Siemens per metre
DWT	Dry Weight Tonnage
g/m ³	Grams per cubic metre
ha	Hectare(s)
Hz	Hertz
К	Hydraulic Conductivity
kg	Kilogram
kg/ha	Kilogram per hectare
kL	Kilolitres
kL/day	Kilolitres per day
km	Kilometre(s)
km/h	Kilometres per hour
km ²	Square kilometre
Kph	Kilometres per hour
kt	Kilotonne
kV	Kilovolt
kVA	Kilovolt-ampere
L	Litres

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yr Year	yr	Year

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APPENDICES

D.2 Volume 3

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receptor or locations periods except in the course of their employment and recreation.	Sensitive visual receptor or locations	Residential areas and zones involving the presence of the individual people for extended periods except in the course of their employment and recreation.
Visual amenity The value of a particular area or view in terms of what is seen	Visual amenity	The value of a particular area or view in terms of what is seen

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Term	Definition
Visual impact	Changes in the appearance of the landscape or in the composition of available views as a result of development, to people's responses to these changes, and to the overall impacts in regard to visual amenity. This can be positive (i.e. beneficial or an improvement) or negative (i.e. adverse or a detraction).
Visual catchment	Extent of potential visibility to or from a specific area, feature or proposal

Abbreviation	Definition
\$AUD	Australian Dollars
\$US	United States Dollars
AADT	Annual Average Daily Traffic
AASS	Actual Acid Sulfate Soils
ABARE	Australian Bureau of Agricultural and Resource Entitlement
ABS	Australian Bureau of Statistics
ACH Act	Aboriginal Cultural Heritage Act 2003 (Qld)
ADG	Australian Code for Transport of Dangerous Goods by Road and Rails
AGO	Australian Government Department of Climate Change
AHD	Australian Height Datum
AMD	Acid and Metalliferous Drainage
ANRA	Australian Natural Resource Atlas
ANZECC	Australia and New Zealand Environment Conservation Council
APCT	Abbot Point Coal Terminal
APHI	Australian Heritage Place Inventory
APSDA	Abbot Point State Development Area
AR-#	Alpha Rail cultural heritage site ID
ARI	Average Recurrence Interval
ARMCANZ	Agriculture and Resource Management Council of Australia and New Zealand
AS	Acceptable Solution
ASC	Australian Soil Classification
AS/NZS	Australian and New Zealand Standard
ASRIS	Australian Soil Resource Information System
ASS	Acid Sulfate Soils
ASSMP	Acid Sulfate Soils Management Plan
ATO	Automated Train Operation
ATP	Automatic Train Protection
ATSB	Australian Transport Safety Bureau
AUSRIVAS	Australian River Assessment System

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Abbreviation	Definition
AUSROADS	Gaussian Plume Developed by EPA Victoria
BA	Building Act 1975
BFD	Burdekin Falls Dam
BGL	Below ground level
BHWSS	Burdekin-Haughton Water Supply Scheme
BIBO	Bus-in-bus-out
BMP	Bushfire Management Plan
Bonn Convention	Convention on the Conservation of Migratory Species of Wild Animals.
BOM	Bureau of Meteorology
BPO	Barcaldine Post Office
BROP	Burdekin Resource Operations Plan 2009
BS	British Standards
BSPS	Belyando Shire Planning Scheme
С	Carbon
CadnaA	Computer Aided Noise Abatement
CAMBA	China-Australia Bird Agreement
CASA	Civil Aviation Safety Authority
CCIS	Climate Change Impact Statement
CDD	Census Collection Districts
CEC	Cation Exchange Capacity
CEMP	Construction Environment Management Plan
СН	Chainage
CHMP	Cultural Heritage Management Plan
CHPP	Coal Handling and Preparation Plant
CID	Community infrastructure designation
CL	Clay
CLR	Contaminated Land Register
CN	Stony coal
CNTA	Commonwealth Native Title Act 1993
CO ₂	Carbon Dioxide
CO ₂ -e	Carbon dioxide equivalent emissions (emissions of other greenhouse gases are multiplied by their GWP so that their effects can be compared to emissions of carbon dioxide)
CO ₂ -e/Y	CO ₂ equivalent per year
COA	Certificate of Application
COG	The Coordinator-General of the State of Queensland

Abbreviation	Definition
СРМА	Coastal Protection and Management Act 1995
CQT	Conquest Mining Limited
CRC	Cooperative Research Centre
CS	Claystone
CSIRO	Commonwealth Scientific and Industrial Research Organisation
CSP	Corrugated steel pipe culverts
CWP	Coal Workers' Pneumoconiosis
DA	Development Application
DBCT	Dalrymple Bay Coal Terminal
DCC	Department of Climate Change
DCCEE	Department of Climate Change and Energy Efficiency
DCS	QLD Department of Community Safety
DEEDI	Qld Department of Employment, Economic Development and Innovation
DEET	Former QLD Department of Employment, Education, and Training (now DET)
DEH	Department of Environment and Heritage
DERM	Department of Environment and Resource Management
DES	Former QLD Department of Emergency Services
DEU	Desert Uplands bioregion
DEWHA	Department of the Environment, Water, Heritage and the Arts
DEWR	Department of Environment and Water Resources
DGA	Declared Groundwater Areas
DIDO	Drive-in-drive-out
DIM&IA (ATSIC Disbanded)	Department of Immigration, Multicultural and Indigenous Affairs
DIP	Department of Infrastructure and Planning
DMC	Dense Medium Cyclone
DME	Former QLD Department of Mines and Energy (now DEEDI)
DMR	Department of Main Roads
DNRM	Department of Natural Resources and Mines
DNRW	Former QLD Department of Natural Resources and Water (now DERM)
DO	Dissolved oxygen
DoE	Department of Environment
DPIF	Department of Primary Industries and Fisheries
DTMR	QLD Department of Transport and Main Roads
DWT	Deadweight
e.g.	For Example

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EEnergyEAEnvironmental AssessmentECElectrical conductivityEDCEnvironmental Design CriteriaEFEmission FactorEIErosion IndexEIAErvironmental Impact AssessmentEILEcological Investigation LevelEISEnvironmental Impact StatementEMMEnvironmental Management PlanEMMEnvironmental Management PlanEMMEnvironmental Management PlanEMREnvironmental Management PlanEMREnvironmental Management PlanEMREnvironmental Management SystemEoaAnakie MetamorphicsEPEquivalent PersonsEPActEnvironmental Protection Act 1994EPActEnvironmental Protection AgencyEPActEnvironmental Protection AgencyEPActEnvironmental Protection and Biodiversity Conservation Act 1999EPACEnvironmental Protection and Biodiversity Conservation Act 1999EPACEnvironmental Protection and Biodiversity Conservation Act 1999EPACEnvironmental Protection PapelicationEPACEnvironmental Protection PapelicationEPACEnvironmental Protection PapelicationEPCAExploration Permit for CoalEPCAExploration Permit for CoalEPCAExploration Permit for Coal ApplicationEPCAExploration Permit for Coal ApplicationEPCAExploration Permit for Coal ApplicationEPP (Vair)Queenshad Environmental Protection (Air) Policy 2008EPP (Naie)E	Abbreviation	Definition
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ESA Equivalent Standard Axle (traffic)	ERTMS	European Rail Traffic Management System
	ESA	Environmentally Sensitive Area
	ESA	Equivalent Standard Axle (traffic)
ESD Ecological sustainable development	ESD	Ecological sustainable development

Abbreviation	Definition
ESMCP	Erosion and Sediment Management Control Plan
ESP	Exchangeable Sodium Percentage
EV	Environmental Values
FA	Fisheries Act 1994
FHMOP	Fish Habitat Management Operational Policy
FIFO	fly-in/fly-out
FoS	Factor-of-Safety
FTE	Full-time equivalent
FullCAM	Full Carbon Accounting Model
GARID	Guidelines for the Assessment of Road Impacts of Developments 2006
GBR	Great Barrier Reef
GBRMP	Great Barrier Reef Marine Park
GBRMP Act	Great Barrier Reef Marine Park Act 1975
GBRMPA	Great Barrier Reef Marine Park Authority
GBRWHA	Great Barrier Reef World Heritage Area
GDP	Gross Domestic Product
GGE	Greenhouse Gas Emissions
GGSA	Greenhouse Gas Storage Act 2009 (Qld)
GHD	Gutteridge Haskins and Davey Pty Ltd
GHG	Greenhouse Gas
GJ	Giga Joule
GJ/y	Giga Joules per year
GIS	Geographic information systems
GL	Giga litre
GMU	Groundwater management unit
GQAL	Good Quality Agricultural Land in State Planning Policy 1/92: Development and the Conservation of Agricultural Land.
GPS	Global positioning system
GRP	Gross Regional Product
GSP	Gross State Product
GSQ	Geological Survey of Queensland
GT	Gas Turbine
GWh	Gigawatt hours
GWP	Global Warming Potential
н	Horizontal
H ₂	Hydrogen

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Abbreviation	Definition
H ₂ O	Water
H ₂ S	Hydrogen sulphide
H ₂ SO ₄	Sulphuric acid
HCO₃	Bicarbonate
HCPL	Hancock Coal Pty Ltd
HCI	Hydrochloric acid
HDPE	High Density Polyethylene
HGPL	Hancock Galilee Pty Ltd
HIMS	Hancock Integrated Management System
HIPAP	NSW Department of Planning's Hazardous Industry Planning Advisory Papers
HPPL	Hancock Prospecting Pty Ltd
HSEC	Health, Safety, Environmental and Community
HSECH	Health, Safety, Environment and Community/Heritage
130	Maximum 30 minute intensity of each storm
i.e.	That is,
IAIA	International Association for Impact Assessment
IAS	Initial advice statement
IAP2	International Association for Public Participation Spectrum
ICOMOS	International Council of Monuments and Sites
IDAS	Integrated Development Assessment System
IFS	Infrastructure Facility of Significance"
ILUA	Indigenous Land Use Agreement
IPA	Integrated Planning Act 1997 (Qld) (repealed, now SPA 2009)
IPCC	Intergovernmental Panel on Climate Change
IRC	Isaac Regional Council
IRR	Internal Rate of Return
IRTM	Interactive Resource Tenure Map
ISO	International Organization for Standardization
IUCN	International Union for the Conservation of Nature
JAMBA	Japan-Australia Migratory Bird Agreement
JORC	Joint Ore Reserves Committee
JSEA	Job Safety and Environmental Analysis
JSPS	Jericho Shire Planning Scheme 2006
KPIs	Key performance indicators
KRA	Key Resource Areas

Abbreviation	Definition
L _{A1,10,90}	A weighted noise levels exceeded 1%, 10% or 90% of the time
LCA	Life Cycle Assessment
LGA	Local Government Areas
LHR	Local government heritage register
LP Act	Land Protection (Pest and Stock Route Management) Act 2002 (Qld)
LOR	Limit of reporting
LOS	Level of Service (traffic)
LTA	Land Title Act 1994
LVIA	Landscape and Visual Impact Assessment
MCF	Multi Cargo Facility
MCU	Material change of use
MDL	Mining Development Licence
MIA	Mine Industrial Area
MIC	Maximum Instantaneous Change
MIM	Mt Isa Mines
ML	Mining Lease
MLA	Mining Lease Application
ML/annum	Mega litres per annum
MNES	Matters of 'National Environmental Significance'
MOU	Memorandum of Understanding
MR Act	Mineral Resources Act 1989
MSDS _S	Material Safety Data Sheets
MSQ	Marine Safety Queensland
N ₂ O	Nitrous Oxide
NEPM Air	National Environment Protection Measure for Ambient Air Quality
NAF	Non Acid Forming
NCA	Native Title Act 1993
NATA	National Association of Testing Authorities
NCA	Nature Conservation Act 1992
NCAT	National Carbon Accounting Toolbox
NCCP	Nature Conservation (Protected Plants) Conservation Plan 2000
NCWA	Nature Conservation Wildlife Regulation
NEPM	National Environment Protection Measure
NES	National Environmental Significance
NGA	National Greenhouse Gas Accounts

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Abbreviation	Definition
NGS	National Greenhouse Strategy
Nm ³	Normal Cubic Metre
NML	Northern missing link
No.	Number
NO ₂	Nitrogen dioxide
NOHSC	National Occupational Health and Safety Commission
NOI	Notice of Intent
NO _X	Oxides of nitrogen
NPI	National pollution inventory
NPR	Net Potential Ratio
NPV	Net Present Value
NQBP	North Queensland Bulk Ports Corporation
NRM	National Resource Management
NTA	Native Title Agreement
NTU	Nephelometric Turbidity Units
NTRB	Native Title Representative Body
NSESD	National Strategy for Ecologically Sustainable Development (1992)
NWQMS	National Water Quality Management Strategy
O ₂	Oxygen
O ₃	Ozone
OECD	Organisation for Economic Co-operation and Development
OEMP	Operational Environmental Management Plan
OESR	Office of Economic and Statistical Research
OHS	Occupational health and safety
OSHA	Occupational Safety and Health Administration
PAF	Potentially Acid Forming
PASS	Potential acid sulfate soil
PAWC	Plant Available Water Capacity
PB	Parsons Brinckerhoff
PC	Performance criteria
PCQ	Ports Corporation of Queensland
PCYC	Police Citizens Youth Clubs
PEL	Permissible Exposure Limit
PFS	Pre-Feasibility Study
рН	Measure of acidity (<7) or alkalinity (>7) of a sample.

Abbreviation	Definition
PHA	Preliminary Hazard Analysis
PIFU	Planning Information and Forecasting Unit
PL	Planning Levels
PM	Particulate matter (fine dust)
PM _{2.5} and PM ₁₀	Particulate matter with an equivalent aerodynamic diameter of 2.5 or 10 micrometres.
PMAV	Property Map of Assessable Vegetation
PMF	Probable Maximum Flood
PPE	Personal Protection Equipment
PPV	Peak Particle Velocity
Proponent	Hancock Prospecting Pty Ltd
PVMP	Property Vegetation Management Plan
Plv	Type of Andesitic volcanic
PWHC	Profile Water Holding Capacity
Qa	Quaternary-aged
QAS	Queensland Ambulance Service
QASSIT	Queensland Acid Sulfate Soil Investigation Team
QCISP	Queensland Coal Infrastructure Strategic Plan"
QFRS	Queensland Fire and Rescue Services
QGEOP	Queensland Government Environmental Offset Policy
QHA	Queensland Heritage Act 1992
QH	Queensland Health
QHR	Queensland Heritage Register
QLD	Queensland
QNT	Queensland National Trust
QOCC	Queensland Office of Climate Change
QR	Queensland Rail
QRC	Queensland Resources Council
QT	Queensland Transport
QWQG	Queensland Water Quality Guideline
RBL	Rating Background Level
RCBC	Precast concrete box culverts
RE	Regional Ecosystem
REDD	Regional Ecosystem Description Database
RIA	Road Impact Assessment
RL	Reduced level (relative height compared to Australian Height Datum)

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Abbreviation	Definition
RMP	Rehabilitation Management Plan
RN	Registration number, DERM groundwater bores
RNE	(former) Register of the National Estate
RoL	Reconfiguration of lots
ROM	Run of Mine
ROW	Right of Way
rpm	Revolution per minute
RPP	Riverine Protection Permit
RTA	New South Wales (NSW) Roads and Traffic Authority
RTN	Road Traffic Noise
RRV	Ross River virus
SCR	State Controlled Road
SD	Statistical Division
SDA	State Development Areas
SDPWOA	State Development and Public Works Organisation Act 1971
SEIS	Supplementary Environmental Impact Statement
SEVT	Semi-evergreen vine thickets
SIA	Social Impact Assessment
SIAU	Social Impact Assessment Unit
SIMP	Social Impact Management Plan
SLA	Statistical Local Area
SMP	Stormwater Management Plan
SMP	Site Management Plan
SMOF	Single Mode Optic Fibre
SMS	Safety Management System
SO ₂	Sulphur Dioxide
SO ₄	Sulphate
SOPs	Standard Operating Procedures
SPA	Sustainable Planning Act 2009
SP Regulation	Sustainable Planning Regulation 2009
SPCC	State Pollution Control Commission
SPL	Strategic Port Land
SPL	Sound Pressure Level
SPP	State Planning Policies
SRN	Stock route network

Abbreviation	Definition
SWL	Standing water level
TAFE	Technical and Further Education
ТАРМ	The Air Pollution Model
тс	Tropical cyclone
TCLP	Toxic Characteristic Leaching Potential
TDS	Total dissolved solids
TEC	Threatened ecological communities
TI Act	Transport Infrastructure Act 1994
TMR	Transport and Main Roads (Queensland)
TOR	Terms of reference
ТРА	Trade Practices Act 1974
TSF	Tailings Storage Facility
TSP	Total suspended particles
TSPP	Temporary State Planning Policy
TSS	Total suspended solids
TTMP	Traffic and Transport Management Plan
TWA	Time Weighted Average
UA	Unincorporated Areas
UNIFCCC COP	Conference of the Parties to UNFCCC
UNFCCC	United Nations Framework Convention on Climate Change
UPS	Uninterrupted Power Supply
US DLOSHA	United States Department of Labour, Occupational Safety and Health Administration
V	Vertical when referring to slope angle or Volts when referring to power
VCL	Versatile Cropping Land
VIA	Visual Impact Assessment
VM Act	Vegetation Management Act 1999
VMA	Vegetation Management Act 1999
VMP	Vegetation Management Plan
VOCs	Volatile Organic Compounds
WA	Water Act 2000
WCI	World Coal Institute
WERD	Water Entitlements Registration Database
WHA	World Heritage Area
WHAM	Whitsunday Hinterland and Mackay
WHO	World Health Organisation

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Abbreviation	Definition
WMP	Waste Management Plan
WONS	Weeds of National Significance
WRBBP	Water Resource (Burdekin Basin) Plan 2007
WRC	Whitsunday Regional Council
WRP	Water Resource Plan
X110	Bulk Ports project assignation
ZN	Coaly mudstone

Unit	Definition
%	Percent
µg/m ³	Micrograms per cubic metre
μm	Micrometres
<	Less than
>	Greater than
μg/L	Micrograms per litre
µg/m ³	Micrograms (one-millionth of a gram) per cubic meter air
µS/cm	Microsiemens per centimetre
⁰ C	Degrees Celsius
bcm	Bank cubic metres
Cm	Centimetre(s)
CCIS	Climate Change Impact Statement
CH ₄	Methane
db	Decibels
dB(A)	Unit used to measure 'A-weighted' sound pressure levels.
DWT	Dry Weight Tonnage
G	Giga
g/m ² /month	Gram per square metre per month
g/m ³	Grams per cubic metre
ha	Hectare
hp	Horse power
Hz	Hertz
К	Hydraulic Conductivity
kg	Kilogram
kg/ha	Kilogram per hectare
kt	Kilo tonnes

Unit	Definition
kL	Kilo litres
kL/day	Kilolitres per day
km	Kilometre
km ²	Square kilometre
Kph	Kilometres per hour
kVA	Kilovolt-ampere
L	Litres
L _{AN}	Statistical sound measurement recorded on the "A" weighted scale.
L _N	Statistical sound measurement recorded on the linear scale.
LA10 (Time)	The sound pressure level that is exceeded for 10% of the time for which the given sound is measured.
LA10 (1 hour)	The Lato level measured over a 1-hour period.
LA10 (18 hour)	The arithmetic average of the LA10 levels for the 18-hour period between 0600 and 2400 hours on a normal working day. It is a common traffic noise descriptor.
LAeq (Time)	Equivalent sound pressure level: the steady sound level that, over a specified period of time, would produce the same energy equivalence as the fluctuating sound level actually occurring. This is considered to represent ambient noise.
LAeq (15 hr)	The LAeq noise level for the period 7 am to 10 pm. (Day and Evening)
LAeq (9 hr)	The LAeq noise level for the period 10 pm to 7 am. (Night)
LAeq (1 hr)	The LAeq noise level for a one-hour period. It represents the highest tenth percentile hourly A-weighted Leq during the period 7 am to 10 pm, or 10 pm to 7 am, (whichever is relevant).
LA90 (Time)	The A-weighted sound pressure level that is exceeded for 90 per cent of the time over which a given sound is measured. This is considered to represent the background noise e.g. LA90 (15 min)
LAMax (Time)	The maximum sound level recorded during a specified time interval.
LAMin (Time)	The minimum sound level recorded during a specified time interval.
L/s	Litres per second
l/sec	Litres per second
L/yr	Litres per year
m	Metre
Μ	Million or mega
m BGL	Metres below ground level
m/d	Metres per day
m/s	Metres per second
m²	Square metres
m ³	Cubic metres
m ³ /h	Cubic metres per hour

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Unit	Definition
m³/y	Cubic metres per year
m AHD	Metres Australian Height Datum
mcg	Micrograms (10 ⁶ grams)
Meq/100g	Milliequivalent per 100 grams
mg	Milligram (10 ³ grams)
mg/kg	Milligrams per kilogram
mg/L	Milligrams per litre
ML	Million litres or megalitre
ML/a	Mega-litres per annum
ML/yr	Mega-litres per year
mm	Millimetre
mm/day	Millimetres per day
Mm ³	Million cubic metres
Mt	Mega tonnes
Mtpa	Million tonnes per annum
MW	Megawatt
MWh	Megawatt hours
NTU	Nephelometric Turbidity units
PJ	Petajoule
ppm	Parts per million
t	Tonnes
tpa	Tonnes per annum
tph	Tonnes per hour
SiO2	Silicon Dioxide
uS/cm	Micro siemens per centimetre (used in electrical conductivity measurements)
yr	Year