

Maules Creek Continuation Project

Environmental Impact Statement

Section 9

Abbreviations and Acronyms



9 Acronyms and Abbreviations

%	Percent	AusEcology	Ausecology Pty Ltd
<	Less than	AUSRIVAS	Australian River Assessment System
>	Greater than	Austrroads	Austrroads Standards Ltd
≤	Less than or equal to	AUTH	Authorisation
°C	Degrees Celsius	AWS	Automatic Weather Station
µg/m ³	Micrograms per Cubic Metre	BAM	<i>Biodiversity Assessment Method</i>
µm	Micrometres	BC Act	<i>NSW Biodiversity Conservation Act 2016</i>
µS/cm	Microsiemens per Centimetre	BC Regulation	<i>NSW Biodiversity Conservation Regulation 2017</i>
2rog	2rog Consulting Pty Ltd	BCM	Boggabri Coal Mine
AACHMP	MCCM Aboriginal Archaeology and Cultural Heritage Management Plan (Whitehaven, 2024)	BCOPL	Boggabri Coal Operations Pty Limited
ABS	Australian Bureau of Statistics	BCS	Biodiversity, Conservation and Science Group
ACCU	Australian Carbon Credit Unit	BDAR	Biodiversity Development Assessment Report
ACHA	Aboriginal Cultural Heritage Assessment	BF-BOF	Blast Furnace-Basic Oxygen Furnace Route
AEP	Annual Exceedance Probability	BNCCA Act	<i>NSW Brigalow and Nandewar Community Conservation Area Act 2005</i>
AGE	Australasian Groundwater and Environmental Consultants Pty Ltd	BoM	Commonwealth Bureau of Meteorology
AHIMS	Aboriginal Heritage Information Management System	Box-Gum Woodland CEEC (BC Act)	White Box - Yellow Box - Blakely's Red Gum Grassy Woodland and Derived Native Grassland
AIP	<i>NSW Aquifer Interference Policy</i>	Box-Gum Woodland CEEC (EPBC Act)	Box – Gum Grassy Woodland and Derived Grassland Critically Endangered Ecological Community
AnalytEcon	Analytecon Pty Ltd	BSAL	Biophysical Strategic Agricultural Lands
ANFO	Ammonium Nitrate and Fuel Oil	BTM CCC	Boggabri - Tarrawonga - Maules Creek Joint Mines Community Consultative Committee
ANZECC	Australian and New Zealand Environment and Conservation Council	BTM Complex	Boggabri, Tarrawonga and Maules Creek coal mines Complex
ANZG	Australian and New Zealand Government	CAS	Climate and Atmospheric Science Team
Approved Methods	<i>Approved Methods for the Modelling and Assessment of Air Pollutants In New South Wales</i>		
ARMCANZ	Agriculture and Resource Management Council of Australia and New Zealand		
AS	Australian Standard		
As	Arsenic		
AS/NZS	Australian Standard/New Zealand Standard		

CCC	Community Consultative Committee	EAF	Electric Arc Furnace
CEEC	Critically Endangered Ecological Community	EC	Electrical Conductivity
CER	Clean Energy Regulator	Eco Logical Australia	Eco Logical Australia Pty Ltd
CH ₄	Methane	EEC	Endangered Ecological Community
CHPP	Coal Handling and Preparation Plant	EIS	Environmental Impact Statement
CHPR	NSW DCCEEW Environment and Heritage - Conservation Programs, Heritage and Regulation	EL	Exploration Licence
CL	Coal Lease	EP&A Act	NSW <i>Environmental Planning and Assessment Act 1979</i>
Climate Act	Commonwealth <i>Climate Change Act 2022</i>	EP&A Regulation	NSW <i>Environmental Planning and Assessment Regulation 2021</i>
CO ₂	Carbon Dioxide	EPA	NSW Environment Protection Authority
Crown Lands	NSW Crown Lands	EPBC Act	Commonwealth <i>Environment Protection and Biodiversity Conservation Act 1999</i>
Cth DCCEEW	Commonwealth Department of Climate Change, Energy, the Environment and Water	EPL	Environment Protection Licence
CV	Calorific Value	EPT	Ephemeroptera, Plecoptera and Trichoptera
DA	Development Application	ERA	Environmental Risk Assessment Report
dB	Decibels	ESD	Ecologically Sustainable Development
dBA	A-Weighted Decibels	ESG	Environmental, Social and Governance
dB(L)	Linear Decibels	Evaluation Report	Greenhouse Gas Mitigation Options Identification and Evaluation Report
DEC	NSW Department of Environment and Conservation	Extent Heritage	Extent Heritage Pty Ltd
DECC	NSW Department of Environment and Climate Change	FM Act	NSW <i>Fisheries Management Act 1994</i>
DECCW	NSW Department of Environment, Climate Change and Water	FMP	NSW <i>Floodplain Management Plan for The Upper Namoi Valley Floodplain 2019</i>
DEWHA	Commonwealth Department of the Environment, Water, Heritage and The Arts	FTE	Full-Time Equivalent
DoP	NSW Department of Planning	FY	Financial Year
DP&I	NSW Department of Planning and Infrastructure	G.E.M	Geo-Environmental Management Pty Ltd
DPE	NSW Department of Planning and Environment	g/m ² /month	Grams per Square Metre per Month
DPHI	NSW Department of Planning, Housing and Infrastructure	GDE	Groundwater Dependent Ecosystem
DPI	NSW Department of Primary Industries		
DPIE	NSW Department of Planning, Industry and Environment		

GDE Atlas	Groundwater Dependent Ecosystem Atlas	Inland Grey Box Woodland EEC (BC Act)	Inland Grey Box Woodland in The Riverina, NSW South Western Slopes, Cobar Penepplain, Nandewar and Brigalow Belt South Bioregions
GIS	Geographic Information System		Endangered Ecological Community Listed Under the BC Act
GL	Gigalitre		
GML	General Mass Limit		
Grey Box Woodland EEC (EPBC Act)	Grey Box (<i>Eucalyptus Macrocarpa</i>) Grassy Woodlands and Derived Native Grasslands of South-Eastern Australia Endangered Ecological Community Listed Under the EPBC Act	Interim Protocol	<i>Interim Protocol for Site Verification and Mapping of Biophysical Strategic Agricultural Land</i>
Ground Doctor	Ground Doctor Pty Ltd	IPC	NSW Independent Planning Commission
Ground Water Imaging	Ground Water Imaging Pty Ltd	kg	Kilogram
Groundwater Assessment	Groundwater Impact Assessment	kg/year	Kilograms per Year
GSC	Gunnedah Shire Council	km	Kilometres
Gunnedah LGA	Gunnedah Local Government Area	km ²	Square Kilometres
GVP	Gross Value Production	kV	Kilovolt
ha	Hectares	L	Litre
Hansen Bailey	Hansen Bailey Environmental Consultants Pty Ltd	L _{Aeq}	Equivalent Continuous Noise Level
HELE	High-Efficiency, Low Emissions	L _{Aeq, Period}	The equivalent continuous A-weighted sound level over the entire assessment period (Day, Evening, Night).
Heritage NSW	NSW DCCEEW Environment and Heritage - Heritage NSW	L _{AFmax}	Maximum Noise Level Criteria
HHMP	Historic Heritage Management Plan	LALC	Local Aboriginal Land Council
HML	Higher Mass Limit	L _{AN}	Statistical noise exceedance levels, where 'N' is the levels exceeded for a specific percentage
IB	Inbound	LCZ	Landscape Character Zone
ICNG	<i>Interim Construction Noise Guideline</i>	Leard SCA	Leard Community Conservation Area Zone 3 State Conservation Area
ICOMOS	International Council on Monuments and Sites	LLS Act	NSW <i>Local Land Services Act 2013</i>
ID#	Site Number	LSC Class	Land Soil Capability
Idemitsu	Idemitsu Australia Resources Pty Ltd	LVIA	Landscape and Visual Impact Assessment
IEA	International Energy Agency	m	Metres
IESC	Independent Expert Scientific Committee on Coal Seam Gas and Large Coal Mining Development	m AHD	Metres Australian Height Datum
		m/s	Metres per Second
		m ³	Cubic Metre

m ³ /s	Cubic Metres per Second	NGER	Commonwealth <i>National Greenhouse and Energy Reporting (Measurement) Determination 2008</i>
Mbcm	Million Bank Cubic Metres	Measurement Determination	
mbgl	Metres Below Ground Level		
MCC	Maules Creek Coal Pty Ltd	NICHA	Non-Indigenous Cultural Heritage Assessment
MCC CCC	Maules Creek Coal Community Consultative Committee	NMP	Noise Management Plan
MCCM	Maules Creek Coal Mine	North West LLS	North West Local Land Services
MEG	Mining, Exploration and Geoscience	NPfI	<i>Noise Policy for Industry</i>
mg/L	Milligrams per Litre	NPV	Net Present Value
MIA	Mining Infrastructure Area	NPW Act	<i>NSW National Parks and Wildlife Act 1974</i>
MIC	Maximum Instantaneous Charge	NPW Regulation	<i>NSW National Parks and Wildlife Regulation 2019</i>
Minesoils	Minesoils Pty Ltd	NSC	Narrabri Shire Council
Mining Act	<i>NSW Mining Act 1992</i>		<i>National Strategy for Ecologically Sustainable Development</i>
ML	Mining Lease	NSESD	
ML/day	Megalitres Per Day	NSW	New South Wales
ML/year	Megalitres Per Year		
MLA	Mining Lease Application	NSW DCCEEW	NSW Department of Climate Change, Energy, The Environment and Water
mm	Millimetres		
mm/s	Millimetres per Second	NSW Resources	NSW Department of Primary Industries and Regional Development - NSW Resources
MNES	Matters of National Environmental Significance		
MOD	Modification	NSW Resources Regulator	NSW Department of Primary Industries and Regional Development - Resources Regulator
Mt	Million Tonnes		
Mt CO ₂ -e	Million Tonnes of Carbon Dioxide Equivalent	NSWALC	NSW Aboriginal Land Council
Mtpa	Million Tonnes per Annum	NTS Corp	Native Title Services Corporation Limited
NAF	Non-Acid Forming	NZC	Net Zero Commission
Narrabri LEP	<i>Narrabri Local Environmental Plan 2012</i>	OB	Outbound
Narrabri LGA	Narrabri Local Government Area	OEH	NSW office of Environment and Heritage
Narrabri Shire CSP	<i>2022/2032 Community Strategic Plan</i>	OEM	Original Equipment Manufacturer
NDC	Nationally Determined Contribution	OSOM	Oversize Overmass
NGA Factors	<i>National Greenhouse Accounts Factors</i>	PA	Project Approval
NGER Act	<i>Commonwealth National Greenhouse and Energy Reporting Act 2007</i>	PAF	Potentially Acid forming
		PCPV	Peak Component Particle Velocity
		PCT	Plant Community Type

PHA	Preliminary Hazard Assessment	ROM	Run-of-Mine
Planning Systems SEPP	<i>NSW State Environmental Planning Policy (Planning Systems) 2011</i>	RWDI	RWDI Pty Ltd
PM ₁₀	Particulate Matter with an Equivalent Aerodynamic Diameter of 10 µm or Less	Safeguard Rule	<i>Commonwealth National Greenhouse and Energy Reporting (Safeguard Mechanism) Rule 2015</i>
PM _{2.5}	Particulate Matter with an Equivalent Aerodynamic Diameter of 2.5 µm or Less	SAII	Serious and Irreversible Impact
PMF	Probable Maximum Flood	Sb	Antimony
PNTL	Project Noise Trigger Level	Se	Selenium
PoEA Act	<i>NSW Protection of The Environment Administration Act 1991</i>	SEARs	Secretary's Environmental Assessment Requirements
PoEO Act	<i>NSW Protection of The Environment Operations Act 1997</i>	SEPP	State Environmental Planning Policy
Poplar Box Woodland EEC (BC Act)	Poplar Box Grassy Woodland on Alluvial Plains Endangered Ecological Community Listed Under the EPBC Act	SIA	Social Impact Assessment
PPV	Peak Particle Velocity	SIGNAL	Stream Invertebrate Grade Number-Average Level
Premise	Premise Pty Ltd	Significant Impact Guidelines for Water Resources	<i>Significant Impact Guidelines 1.3: Coal Seam Gas and Large Coal Mining Developments—Impacts on Water Resources</i>
PVC	Polyvinyl Chloride	SIMP	Social Impact Management Plan
Qld	Queensland	Square Peg	Square Peg Social Performance Pty Ltd
RAPs	Registered Aboriginal Parties	SSD	State Significant Development Approval
RARC	Rapid Appraisal of Riparian Condition	SVA	Site Verification Assessment
RBL	Rating Background Level	SWL	Sound Power Level
RCLALC	Red Chief Local Aboriginal Land Council	t CO ₂ -e	Tonnes of Carbon Dioxide Equivalent
Resilience and Hazards SEPP	<i>NSW State Environmental Planning Policy (Resilience and Hazards) 2021</i>	TARPs	Trigger Action Response Plan
Resource Strategies	Resource Strategies Pty Ltd	TAS	Todoroski Air Sciences Pty Ltd
Resources and Energy SEPP	<i>NSW State Environmental Planning Policy (Resources and Energy) 2021</i>	TCM	Tarrawonga Coal Mine
RING	<i>Rail Infrastructure Noise Guideline</i>	TDS	Total Dissolved Solids
Risk Mentor	Risk Mentor Digital Engines Australia Pty Ltd	TEC	Threatened Ecological Community
RMP	Rehabilitation Management Plan	TEOM	Tapered Element Oscillating Microbalance
RNP	<i>NSW Road Noise Policy</i>	TfNSW	Transport for NSW
		the Burra Charter	<i>The Burra Charter: The Australia ICOMOS Charter for Places of Cultural Significance, 2013</i>
		the Code of Practice	<i>Code of Practice for Archaeological Investigation of Aboriginal Objects In NSW</i>

the Commonwealth Minister	Commonwealth Minister for Environment and Water	Upper Namoi Zone 4	Upper Namoi Zone 4, Namoi Valley (Keepit Dam to Gin's Leap) Groundwater Source
the Consultation Requirements	<i>Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010</i>	Upper Namoi Zone 5	Upper Namoi Zone 5, Namoi Valley (Gin's Leap to Narrabri) Groundwater Source
the Draft Guide	<i>Draft Greenhouse Gas Assessment Guide for Large Emitters</i>	VCM	Vickery Coal Mine
the GHG Protocol	<i>Greenhouse Gas Protocol</i>	VLAMP	<i>Voluntary Land Acquisition and Mitigation Policy - for State Significant Mining, Petroleum and Extractive Industry Developments</i>
the Groundwater Assessment Toolbox	<i>Groundwater Assessment Toolbox for Major Projects In NSW – Overview Document Technical Guideline</i>	VPA	Voluntary Planning Agreement
the Guide	<i>NSW Guide for Large Emitters</i>	VWP	Vibrating Wire Piezometers
the Net Zero Future Act	<i>NSW Climate Change (Net Zero Future) Act 2023</i>	WAL	Water Access Licence
the Net Zero Plan	<i>Net Zero Plan Stage 1: 2020-2030</i>	WBCSD	World Business Council for Sustainable Development
the Project	Maules Creek Continuation Project	Whincop Archaeology	Whincop Archaeology Pty Ltd
the Project Region	Gunnedah Shire, Narrabri Shire and Tamworth Regional LGAs	Whitehaven	Whitehaven Coal Limited
the proposed Action	Referral of the Maules Creek Continuation Project to the Commonwealth Minister for the Environment and Water	WM Act	<i>NSW Water Management Act 2000</i>
the SA3 Region	the Tamworth-Gunnedah Statistical Area Level 3 Region	WRI	World Resources Institute
the Strategic Statement on Coal	<i>Strategic Statement on Coal Exploration and Mining In NSW</i>	WRM	WRM Water and Environment Pty Ltd
the Technical Supplement	<i>Large-Scale Solar Energy Guideline - Technical Supplement for Landscape Character and Visual Impact Assessment</i>	WSP	Water Sharing Plans
TMP	Traffic Management Plan	WSP for the Namoi Alluvial Groundwater Sources 2020	<i>Water Sharing Plan for The Namoi Alluvial Groundwater Sources Order 2020</i>
Truescape	Truescape Pty Ltd	WSP for the NSW Murray Darling Basin Porous Rock Groundwater Sources 2020	<i>Water Sharing Plan for The NSW Murray Darling Basin Porous Rock Groundwater Sources Order 2020</i>
TSP	Total Suspended Particulate Matter		
TSS	Total Suspended Solids		
TTPP	Transport Planning Partnership Pty Ltd		
UNFCCC	United Nations Framework Convention on Climate Change		
Upper Namoi Zone 11	Upper Namoi Zone 11, Maules Creek Groundwater Source		