

Acknowledgement

We acknowledge the stolen lands of the Traditional Custodians of the lands across so-called Australia on which we live, work, and gather. We pay our respects to their Elders past and present. We recognise the deep spiritual connection and enduring relationship that Aboriginal and Torres Strait Islander peoples have with Country, and that sovereignty was never ceded.

We honour the significance of the koala to many communities across the continent. Koalas are totems of many Aboriginal nations, including Gumbaynggirr of the Mid North Coast, Birpai of Port Macquarie, and Awabakal of the Hunter region. We acknowledge the Traditional Custodians of the land who have cared for the koala and its habitat for countless generations.

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Endorsed by:











Definitions/abbreviations

ACT - Australian Capital Territory

BCA - NSW Biodiversity and Conservation Act

Conservation status - Globally recognised system for classifying species into categories of risk of extinction

DCCEEW - Department of Climate Change, Energy, the Environment and Water (Australian federal environment department)

DESI - Department of Environment, Science, and Innovation (QLD state environment department)

EIS - Environmental Impact Statement

EPBC Act - Environment Protection and Biodiversity Conservation Act 1999, national environmental and threatened species law

EN - Endangered; conservation status for species facing a very high risk of extinction in the wild in the near future

GHG - Greenhouse gases

Ha - Hectares

Kms - Kilometers

Listed - Refers to listing of species or vegetation communities (EVCs) under state environment legislation or federal environment legislation

LOM - Life of mine

Mt CO₂-e - Million tonnes of carbon dioxide equivalent

Mtpa - Million tonnes per annum

NC Act - QLD Nature Conservation Act (1992)

NGER - National Greenhouse and Energy Reporting Scheme

NSW - New South Wales

NSW DCCEEW - NSW Department of Climate Change, Energy, the Environment and Water (NSW state environment department)

NSW EPA - New South Wales Environmental Protection Authority

QLD - Queensland

ROM - Run of mine, ore in its natural, unprocessed state

Executive summary

If the 26 coal mining projects listed in this report are approved:



11,644 hectares of koala habitat would be cleared





Equivalent to around5,822 MCG sized sporting fields



Or **41** times the size of Sydney's CBD



8.2 billion tonnes

of carbon pollution will be emitted from burning the coal over the life of the mines

This is around 17x
Australia's annual carbon
emissions, and more
climate pollution than what
Australia has emitted over the

last decade (approximately over 5 billion tonnes).



This is equivalent to the annual emissions

of about **1.78 billion cars.** Currently there is estimated to be around **1.4** billion vehicles globally.



Australia's dirtiest coalfired power station is the Loy Yang A power station, in recent years, Loy Yang

A has emitted approximately 19 million tonnes of CO_2 annually. It would take around 432 years for Loy Yang A power station to emit 8.2 billion tonnes of CO_2 .

The koala is one of Australia's most iconic native animals. The gum leaf eating, tree climbing, pouched marsupial is the quintessential animal symbol of the Australian bush, known and loved all over the world. Yet this iconic species is under serious threat.

Australia is the global leader in mammal extinctions¹. More mammals have become extinct in Australia in recent centuries than any other continent on Earth. The primary drivers that have driven Australia's extinction crisis are loss of habitat through land clearing², and increased frequency and intensity of extreme weather events like bushfires and flooding due to climate change³.

Australia's koala populations face a very real prospect of extinction due to habitat destruction and the impacts

of climate change. Koala numbers across Queensland and NSW have been in decline for decades, and despite the threats to this much-loved marsupial being well understood and studied, the situation in recent years has gone from bad to worse.

The koala populations of Queensland, New South Wales and the Australian Capital Territory were listed as endangered on 12 February 2022, following the devastating 2019/2020 Black Summer bushfires. An animal that is endangered is close to extinction, meaning there aren't many of that type of animal left in the world. Even before the devastating bushfires, a 2020 NSW Parliamentary inquiry found that without urgent government intervention, koalas in NSW could be extinct in the wild by as early as 20504.

Coal from mines in NSW and Queensland is mostly exported and burned overseas, creating pollution that is heating the Earth's atmosphere and threatening ecosystems and species the world over. No matter where pollution from Australia's coal is produced, the impacts on Australia's natural environments are felt. Some of the threats to koalas from climate change include increased droughts, heatwaves and bushfires, loss of important food trees, shrinking habitat and lower nutritional value in leaves due to carbon pollution.

Not only are proposed new coal mines in Queensland and NSW making climate change threats to koalas worse, proposed coal mines will directly clear important habitat for koalas, leading to the direct, sudden, and permanent loss of woodlands and forests that koalas depend on.

This report examines proposed new coal mining projects that are planning to clear koala habitat, including projects that are currently undergoing assessment under Australia's national environment laws (EPBC Act). Koala habitat often overlaps with other threatened species habitat, including endangered greater gliders, which will also be impacted by many of the projects referred to in this report.

This report concludes that at least 26 proposed new coal mines will clear important koala habitat, including 23 projects that are being assessed under the EPBC Act and seeking approval from the Albanese government.

These 26 coal mining projects plan to clear a total of 11,644 hectares of koala habitat if granted approval by the federal government.

That's just over 116 square kms, and around 5,822 MCG sized sporting fields, or 41 times the size of Sydney's CBD. These figures are likely to be conservative, as they are based on available information only. Several proposed coal projects will clear koala habitat but have not yet published exact figures.









Of the proposed new coal mines and expansions, the three companies responsible for the biggest impacts on koalas are Whitehaven Coal (7,594 ha), Glencore (1,191 ha), and BHP / BMA (1,169 ha).

The proposed coal projects examined in this report would release an estimated 8.2 billion tonnes of climate pollution from the burning of the coal they would produce over their lifetime.

That's more climate pollution than what Australia has emitted over the last decade (approximately 5.1 billion tonnes of $CO_2^{5,6}$).

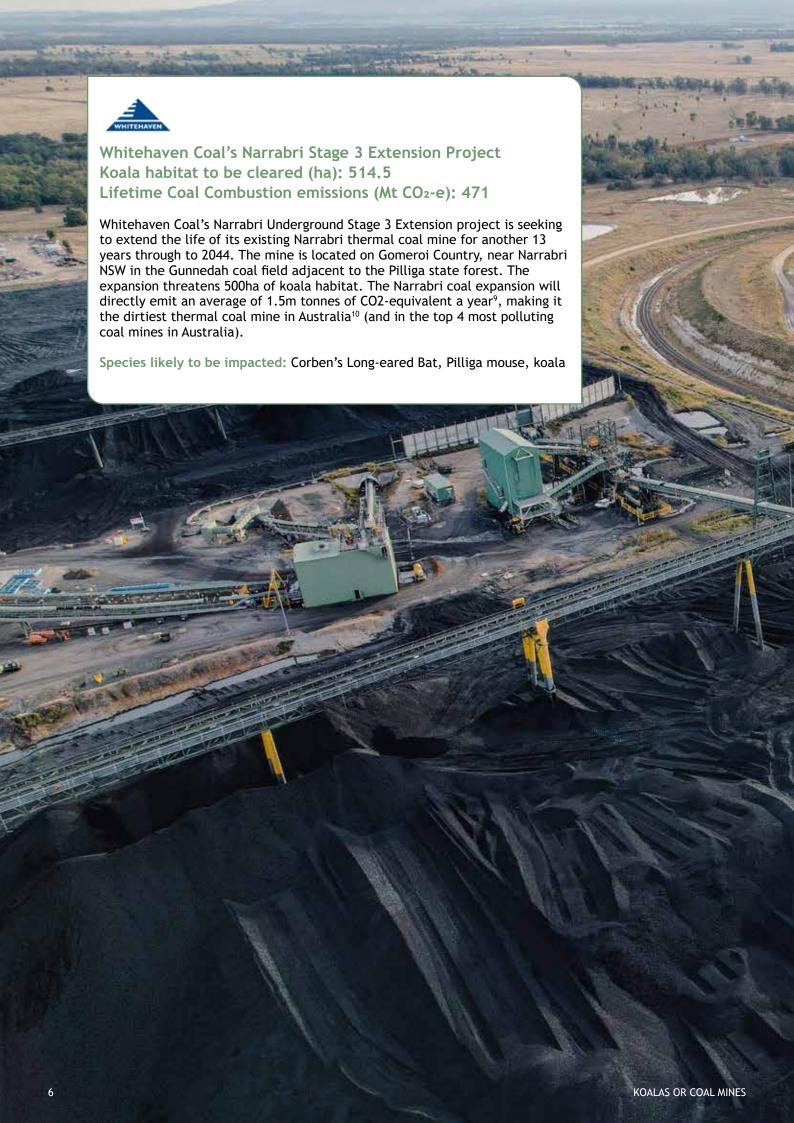
In comparison, 8.2 billion tonnes of emissions is equivalent to the annual emissions of about 1.78 billion cars (the average car emits around 4.6 tonnes of CO_2 annually). Currently there is estimated to be around 1.4 billion vehicles globally.

The federal environment minister currently has the authority and power to reject new proposed coal mines and expansions on the basis of 'unacceptable impacts' to the koala, and other threatened species. Given the precarious future facing Australia's most iconic species, the federal environment minister can, and must act to protect the koala from the impacts of coal mines.

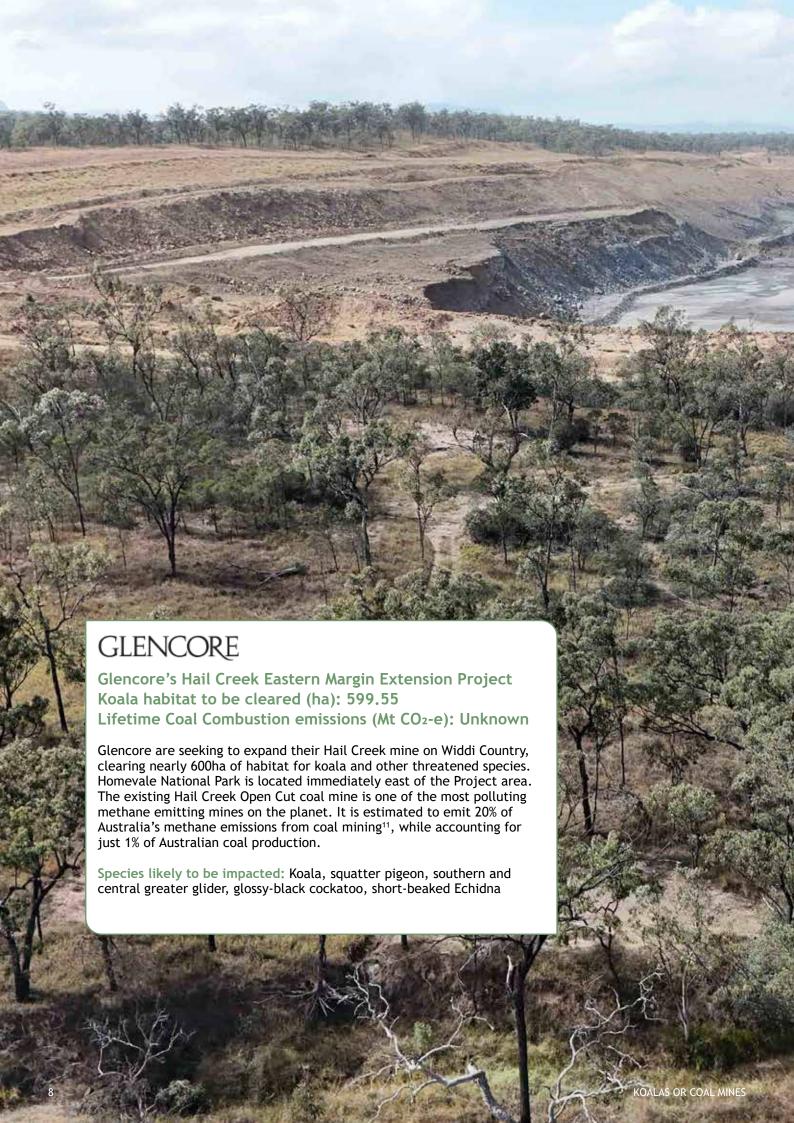
This report recommends the federal government:

- Reject approvals for new coal mines and expansions that impact koalas and other threatened species, to address the threat of extinction from habitat destruction and climate change;
- Put in place an immediate moratorium on the clearing of any further koala habitat for coal projects and review environmental approvals of projects approved to impact on koala habitat in the last two years;
- 3. End the reliance on biodiversity offsets that enable destruction of critical koala and other threatened species habitat, such as the greater glider;
- 4. Commit to a rapid phase out of fossil fuels, to safeguard endangered species like the koala from the devastating impacts of climate collapse;
- 5. Enact strong new nature laws that effectively protect threatened species and their habitat as well as comprehensively assess the climate impacts of proposed projects. Climate change, fuelled by coal and gas projects approved under the current Act, is a key threat to Australia's wildlife and habitat.

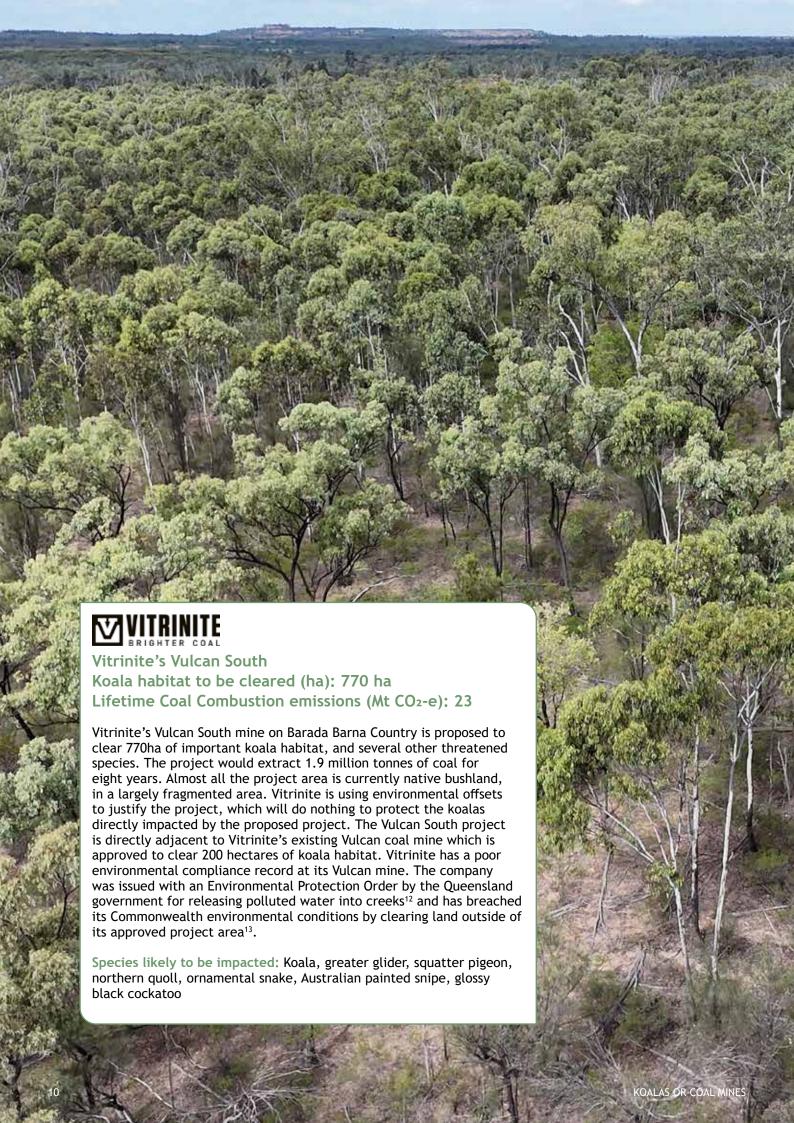








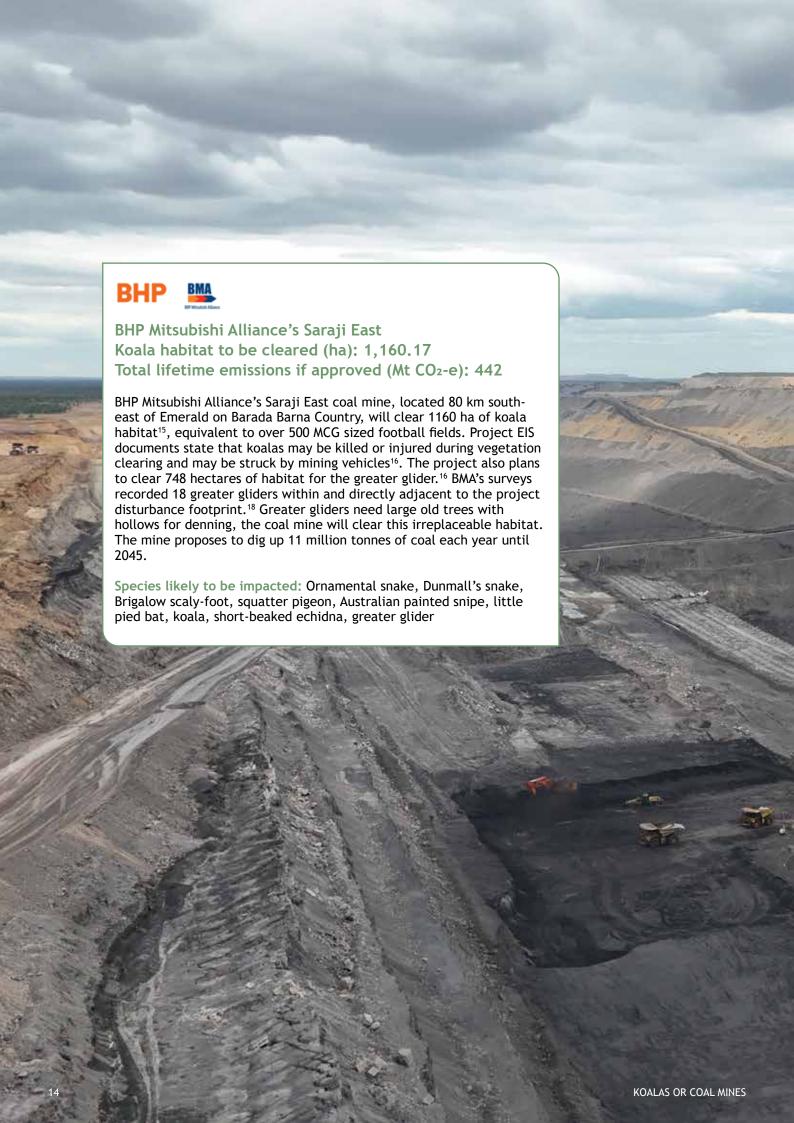








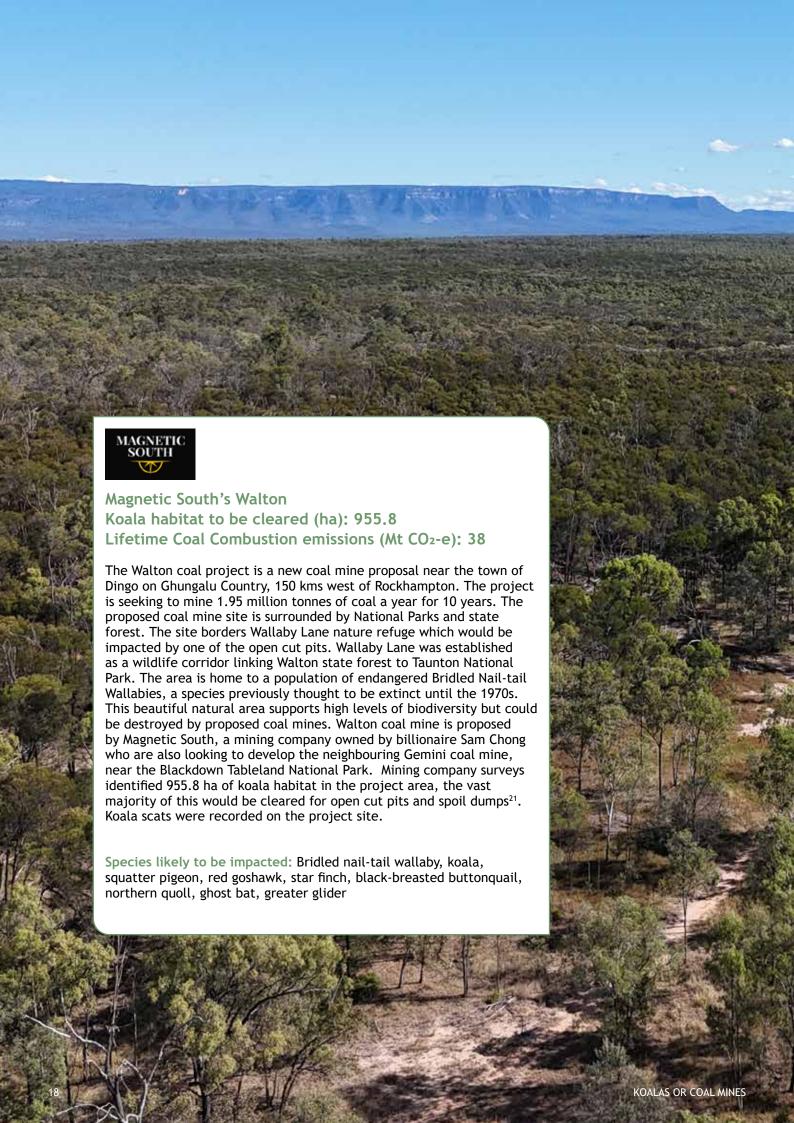














Background

Habitat loss and climate change threaten koalas

Under federal and state (NSW and Queensland) environment laws, the koala is listed as endangered. According to the federal environment department⁷, the koala was uplisted to endangered due to;

- Increased frequency and intensity of drought, high temperatures and heat waves caused by climate change, which also increases prevalence and intensity of bushfires.
- A shrinking climatically suitable area for koalas to survive.
- Diseases, specifically koala retrovirus (KoRV) and chlamydia (Chlamydia pecorum).
- Habitat destruction resulting from land clearing and mining.

The federal government's National Recovery plan for the koala predicts that by 2030 more than 20% of koala habitat is likely to be impacted by climate change, and the loss of climatically suitable habitat because of climate change may outpace losses from land use change within the next decade⁸.

Climate change threatens Australia's koala population in complex and varied ways. Other impacts linked to climate change are increased susceptibility to diseases due to stress, changes in distribution and occurrence of feed trees, and the direct impacts of more severe and frequent bushfire events. WWF estimated that around 8,700 koalas were killed by the 2019/20 bushfires in NSW and Queensland alone²⁴.

In 2020, a NSW Parliamentary inquiry found koalas could become extinct by 2050. A new report released in May 2024 found biodiversity in NSW has declined across nearly every indicator since the previous 2020 report²⁵.

NSW, QLD, and federal koala action plans all list habitat destruction and climate change as the biggest direct threats to the survival of the koala, yet none of these plans adequately address the direct impacts from coal mining. Neither state nor federal governments have ever rejected a coal mine on the basis of unacceptable impacts to koalas.

Despite habitat destruction from mining, and climate change being acknowledged as key drivers of extinction for the koala, in 2020 the Morrison government granted approval for the Olive Downs coal mine²⁶ to clear more than 5,000 hectares of koala habitat²⁷.

Since 2020, five coal mines have been approved in NSW by the state and federal governments. In Queensland, 10 projects have been approved by the state government, and so far, four of these have been approved by the Albanese government.

On the 4th of October 2022, federal Environment Minister Tanya Plibersek pledged "no new extinctions" in the coming decade²⁸. Since then, the minister has made a string of announcements, particularly regarding the endangered koala, aiming to demonstrate she is protecting them. In a press release in Queensland, she

stated; "No one wants to imagine an Australia without koalas. The Australian Government is making sure our kids and grandkids will still be able to see koalas in the wild."²⁹

Yet, the Australian government is currently considering approval of 23 coal projects which will destroy koala habitat and emit billions of tonnes of climate pollution.

Biodiversity offsets don't protect biodiversity

Mining companies in Australia are required to purchase environmental offsets for projects impacting biodiversity, but the use of offsets for coal mines has faced major criticisms. The federal biodiversity offset policy was introduced in 2012, and since then, biodiversity in Australia has continued to decline, and iconic species such as the koala have been elevated to endangered status. A wide range of studies indicate that offsets are ineffective at preventing biodiversity loss, and in fact, can enable habitat destruction³⁰.

Offsets can never replace the unique ecological features of areas impacted by coal mining. Restoring or protecting functionally equivalent habitats (like-for-like) to replace those destroyed for mining is extremely difficult and success is rare. Long-term monitoring and maintenance of offsets is also challenging, with offset areas vulnerable to future pressures, including climate change, which undermines offset effectiveness³¹. The metrics for assessing offset success can be inadequate, and financial drivers may prioritise cost over ecological integrity³².

Ultimately, offsets fail to prevent biodiversity loss, and can be used to justify continued habitat destruction.



Impacts on greater gliders

Koala habitat often overlaps with other threatened species habitat, including the greater glider. Greater gliders are the world's largest gliding possum, feed only on eucalypt leaves, and need tree hollows to nest in. Like the koala, greater gliders are also facing extinction due to habitat destruction and climate change.

Greater gliders are also threatened by new and proposed coal mines in NSW and QLD. By preventing the destruction of koala habitat for coal mines, species like the greater glider will also be protected. The southern and central greater glider subspecies were listed as endangered under federal environment laws in 2022, but there is currently no action plan to save these animals.

Gliders are particularly vulnerable to the impacts of habitat clearing, because of the time it takes for tree hollows to develop and the very small home ranges the animals occupy. In some instances, hollows can take up to 100 years to provide suitable habitat for gliders. That means it is crucial that all current suitable habitat be protected, given what little fragmented habitat remains for the species.

Some of the proposed new coal mines with the worst greater glider impacts include:

- Yancoal's Middlemount coal mine in central Queensland, which will destroy 63ha of glider habitat
- BHP / BMAs Saraji coal mine, set to clear 748ha of potential habitat for greater glider
- Vitrinite's Vulcan South coal mine will clear 39ha of glider habitat
- Whitehaven Coal's Winchester South coal mine with plans to clear 132ha of greater glider habitat
- Peabody's Coppabella coal mine expansion set to clear 220ha of greater glider habitat



Methodology

Proposed new coal mines undergoing assessment under the EPBC Act were identified through the Department of Climate Change Energy Water and Environment's EPBC Act public portal³³. As of July 2024, there are 38 proposed new coal mining projects and expansions that have been referred for assessment under the EPBC Act and are seeking approvals from the Commonwealth government. These projects were scrutinised to determine the proponents' anticipated impacts on koala habitat, including direct loss of habitat from clearing and any residual impacts. Environment Impact Statement (EIS) and referral documents, such as ecology and biodiversity assessments were examined to determine the scale of impacts to koala habitat from the proposed coal mining projects. These projects were placed into 'category 1', with results displayed in Table 1.

Projects undergoing EPBC assessment where project documents indicate likely impacts to koala habitat. but precise figures for the area planned to be impacted were not given, were also included in the analysis. These projects were placed into 'category 2', with results displayed in Table 2. BHP Mitsubishi alliance's Peak Downs continuation project falls into this category. The project is yet to undergo a detailed environmental impact assessment so no precise figures on the area of koala habitat to be impacted are available. However, the initial advice statement states that koalas and greater gliders have been recorded in areas planned for clearing, including in riparian woodland on Ripstone creek which is proposed to be diverted to facilitate mining³⁴. The project area is over 4000 hectares in size³⁵, with the southern half of the project area being mostly remnant native vegetation³⁶. If precise figures for projects in category 2 were available, the figures for the total area of koala habitat to be impacted by proposed coal mines detailed in this report would be significantly larger.

Some proposed coal mining projects that have not yet been referred for assessment under the EPBC Act were included in the analysis. If an EPBC referral was likely, and legally required, due to anticipated impacts on protected matters listed under the Act, the project was included in the analysis. Where state-based approval documents specified a future EPBC referral for a project, that project was also included in this analysis. For example, Glencore's Hail Creek Open Cut Coal mine expansion project is not currently referred for assessment under the EPBC Act, however its application to the Queensland government for an amendment to its Environmental Authority states that the project will be referred for EPBC assessment in the future and Glencore anticipates nearly 600 hectares of koala habitat would be cleared³⁷. Therefore, this project, and other projects in a similar stage of the assessment process were included in the analysis. These projects were placed into 'category 3', with results displayed in Table 3.

Methods for estimating coal combustion emissions from the projects is detailed in Appendix A - Koala and Climate Impacts Methodology and References.

Results

Koala habitat destruction of proposed new coal mines:

- At least 26 proposed new coal mines will clear important koala habitat, including 23 projects that are currently being assessed under the EPBC Act and seeking approval from the Albanese government.
- These 26 coal projects are proposing to clear a combined total of at least 11,644 hectares of koala habitat.
- The area of koala habitat that is proposed to be cleared by the coal mines detailed in this report is equivalent to 116 square kms, which is around 5,822 MCG sized sporting fields, or 41 times the size of Sydney's CBD.

These figures are likely to be conservative, as they are based on coal company estimates of planned koala habitat clearance, taken from Environmental Impact Statements and other assessment process documents. The figures are also likely to be conservative as they are based on available information only and several proposed coal projects that will clear koala habitat have not yet published this information. (see projects listed in Table 2).

Climate pollution of proposed new coal mines:

- The projects would produce an estimated 8.2 billion tonnes of climate pollution through emissions from the burning of coal.
- That's more climate pollution than what Australia has emitted over the last decade (approximately 5.1 billion tonnes of CO₂)
- By comparison, the average passenger vehicle emits about 4.6 tonnes of CO₂ per year. 8.2 billion tonnes of emissions are equivalent to the annual emissions of around 1.78 billion cars. Currently there is estimated to be around 1.4 billion vehicles globally.

The vast majority of climate pollution from coal mines is from the burning of the coal that is mined, known as combustion emissions. The Australian government does not include the combustion emissions from coal mined in Australia in national emissions inventories and argues that accounting for the pollution from burning Australian coal is the responsibility of the countries Australia sells coal to. This has been labelled the 'drug dealers' defence and is extremely problematic because it results in incomplete accounting of Australia's real emissions from these coal projects. No matter where pollution from Australia's coal is produced, the impacts on Australia's climate and natural environments are felt.

Coal mines also produce climate pollution through fugitive methane emissions that are directly released into the atmosphere during the mining process. These emissions have been excluded from the analysis in this report which has focussed on climate pollution from combustion emissions of coal mines that the Australian government is not accounting for. Fugitive emissions

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are reported to regulators and included in Australia's national emissions inventories but are grossly underestimated and underreported. Australia's methane emissions from coal are 60 percent higher than what it reports to the United Nations, according to the International Energy Agency's annual methane tracker³⁸.

Project Categories:

- 1. Projects with proponent estimated hectares of koala habitat to be cleared, currently being assessed under the EPBC Act Table 1
- Projects being assessed under the EPBC Act where project documents indicate it is likely koala habitat will be cleared, but precise figures are not yet available - Table 2
- 3. Projects with plans to clear koala habitat that have not yet been assessed under the EPBC Act but are likely be referred for assessment Table 3



Table 1: Area of koala habitat to be cleared by proposed coal mines currently being assessed under the EPBC Act, and total lifetime carbon emissions of the proposed mines (lifetime coal combustion emissions Mt)

(Refer to Appendix A for references)

NSW				
Project name	Proponent	Koala habitat to be cleared (ha)	Lifetime Coal Combustion emissions (Mt CO2-e)	
Boggabri Coal Mine Modification 10	Idemitsu	84.48	61	
Glendell Continued Operations Project	Glencore	156	210	
Moolarben OC3 Extension	Yancoal	113	83	
Narrabri UG Stage 3 Extension	Whitehaven Coal	514.5	471	
Ulan Coal Modification 6	Glencore	11.2	62	
Total		879.18 887		
QLD				
Project name	Proponent	Koala habitat to be cleared (ha)	Lifetime Coal Combustion emissions (Mt CO ₂ -e)	
Baralaba South	AMCI	27	98	
Blackwater North	Whitehaven Coal	26.9	433	
Blackwater South	Whitehaven Coal	6884.6	1574	
Coppabella Mine Humbug Gully project	Peabody	219.19	69	
Lake Vermont Meadowbrook Project	Jellinbah	109.1	289	
Middlemount Coal Mine - Southern Open Cut	Peabody / Yancoal	63.3	53	
New Lenton Coal Project	Bowen Coking Coal	218	33	
Rolleston Continuation	Glencore	425	82	
Saraji East	BHP / BMA	1160.17	442	
Saraji Mine Grevillea Pit Continuation Project	BHP / BMA	9.7	121	
Vulcan South	Vitrinite	770	23	
Vulcan Coal Mine - Matilda Pit	Vitrinite	83.9	Unknown	
Walton	Magnetic South	955.8	38	
Winchester South	Whitehaven Coal	168.9	558	
Total		10,165.76	3,813	
Total combined koala habitat to be cleared of new coal mining projects being assessed environment laws.	11,044.94	4,700		

Table 2: Projects being considered under the EPBC Act with unreported estimated hectares of koala habitat to be cleared

NSW			
Project name	Proponent	Koala habitat to be cleared (ha)	Lifetime Coal Combustion emissions (Mt CO2-e)
Newstan Mine Ex- tension Project	Banpu (Centennial)	948.7 ha of potential koala habitat was identified in the Project Area. It is unclear how much vegetation will be cleared for the expansion of the underground mine.	63
QLD			
Project name	Proponent	Koala habitat to be cleared (ha)	Lifetime Coal Combustion emissions (Mt CO2-e)
Moorlands Open Cut Coal mining project	Cuesta Coal / Huaxin Energy	University of Queensland researchers and the Clermont community have raised concerns about the project impacts on the koala population. 1,267 ha of native vegetation is to be cleared, including 5 river-km of riparian corridors that provide connectivity of remnant vegetation and the Blair Athol State Forest.	124
Dawson West Mining Project	Dawson West Coal Management	Koalas considered likely to occur, habitat and suitable feed trees identified. 11 trees with scratch marks were recorded. Greater Gliders recorded during surveys. No details on the area of habitat to be cleared.	253
Peak Downs Mine Continuation project	BHP / BMA	No figures on the total area of impacted habitat available. Several records of koala and greater glider presence on the site were recorded by surveys in areas planned to be cleared.	2,768
Total Lifetime Coal C	ombustion emissions	if approved (Mt CO2-e)	3,208

Table 3: Projects with plans to clear koala habitat that have not yet been referred but are likely to be referred

NSW				
Project name	Proponent	Koala habitat to be cleared (ha)	Lifetime Coal Combustion emissions (Mt CO2-e)	
Maules Creek expansion	Whitehaven	Unknown	300	
QLD				
Project name	Proponent	Koala habitat to be cleared (ha)	Lifetime Coal Combustion emissions (Mt CO ₂ -e)	
Gemini Coal mine	Magnetic South	Unknown	80	
Hail Creek Eastern Margin Extension Project	Glencore	599.55	Unknown	
Total		599.55	380	



Combined koala habitat to be cleared (hectares): 11,644



Combined lifetime coal combustion emissions from all coal projects, if approved: 8.2 billion tonnes CO₂-e



Conclusion and recommendations

Given the dire future endangered koalas face, in the context of historic fragmentation and continuing destruction of their habitat, and the devastating impacts climate change is already having on the species, all projects listed in this report, and any future proposed new coal mines and expansions that impact koala habitat, must be rejected by the Australian federal government.

The window of time to take action to prevent further climate-fuelled catastrophes, biodiversity loss, extinction, and runaway climate collapse is rapidly shrinking. There has never been a more important time to act to safeguard Australia's most iconic species.

Despite broken federal environment laws that have allowed the expansion of the coal industry unabated, the government has the power to act now and reject these coal mines.

The consequences of inaction could see Australia's most iconic species driven to extinction. The best way to tackle the extinction crisis and save the koala, is to protect their habitat, and take urgent action on climate change.

Rejecting these destructive coal mines will address both crises, protecting thousands of hectares of koala habitat from being cleared, and preventing billions of tonnes of carbon pollution from being emitted. There has never been a more urgent time to act.

This report recommends the federal government:

- Reject approvals for new coal mines and expansions that impact koalas and other threatened species, to address the threat of extinction from habitat destruction and climate change;
- Put in place an immediate moratorium on the clearing of any further koala habitat for coal projects and review environmental approvals of projects approved to impact on koala habitat in the last two years;
- 3. End the reliance on biodiversity offsets that enable destruction of critical koala and other threatened species habitat, such as the greater glider;
- Commit to a rapid phase out of fossil fuels, to safeguard endangered species like the koala from the devastating impacts of climate collapse;
- 5. Enact strong new nature laws that effectively protect threatened species and their habitat as well as comprehensively assess the climate impacts of proposed projects. Climate change, fuelled by coal and gas projects approved under the current Act, is a key threat to Australia's wildlife and habitat.



Habitat at risk from Whitehaven coal's proposed Winchester South coal mine.

Appendix A - Koala and Climate Impacts Methodology and References

Estimating Lifetime Coal Combustion emissions

Lifetime coal combustion emissions for projects have been estimated for all projects where data availability permitted. Three different approaches were used (in order of priority):

- 1. Where an EIS (or similar) has been produced in support of the approval of the project and this contains a figure for lifetime **estimated coal combustion emissions** for the mine, this figure was used directly.
- 2. Where an EIS (or similar) has been produced in support of the approval of the project and this contains a figure for lifetime **estimated product coal** production and product coal type has been specified (including any ratio for the split between product types). This information was used to calculate lifetime coal combustion emissions using National Greenhouse Accounts Factors³⁹ with all thermal coal assumed to be bituminous grade.
- 3. Approval application documents (or JORC statements) were used to estimate lifetime run-of-mine (ROM) coal production and product coal type (including any ratio for the split between product types). The yield of product coal from ROM was assumed to be 80% unless specified by the project proponent. This information was used to calculate lifetime coal combustion emissions using National Greenhouse Accounts Factors.



Table 1: Area of koala habitat to be cleared by proposed coal mines currently being assessed under the EPBC Act, and total lifetime carbon emissions of the proposed mines (lifetime coal combustion emissions Mt)

NSW			
Project name	Proponent	Koala habitat to be cleared (ha)	Lifetime Coal Combustion emissions (Mt CO2-e)
Boggabri Coal Mine Modification 10	Idemitsu	84.4840	6141
Glendell Continued Operations Project	Glencore	15642	21043
Moolarben OC3 Extension	Yancoal	11344	8345
Narrabri UG Stage 3 Extension	Whitehaven Coal	514.546	471 ⁴⁷
Ulan Coal Modification 6	Glencore	11.248	6249
Total		879.18	887
QLD			
Project name	Proponent	Koala habitat to be cleared (ha)	Lifetime Coal Combustion emissions (Mt CO2-e)
Baralaba South	AMCI	27 ⁵⁰	98.1 ⁵¹
Blackwater North	Whitehaven Coal	26.9 ⁵²	433 ⁵³
Blackwater South	Whitehaven Coal	6884.654	157455
Coppabella Mine Humbug Gully project	Peabody	219.19 ⁵⁶	69 ⁵⁷
Lake Vermont Meadowbrook Project	Jellinbah	109.1 ⁵⁸	289.159
Middlemount Coal Mine - Southern Open Cut	Peabody / Yancoal	63.360	5361
New Lenton Coal Project	Bowen Coking Coal	21862	3363
Rolleston Continuation	Glencore	42564	82.265
Saraji East	BHP / BMA	1160.1766	442 ⁶⁷
Saraji Mine Grevillea Pit Continuation Project	BHP / BMA	9.7 ⁶⁸	12169
Vulcan South	Vitrinite	770 ⁷⁰	23 ⁷¹
Vulcan Coal Mine - Matilda Pit	Vitrinite	83.972	Unknown
Walton	Magnetic South	955.8 ⁷³	3874
Winchester South	Whitehaven Coal	168.975	558 ⁷⁶
Total		10,165.76	3,813
Total combined koala impacts and GHG emissions of new coal mining projects being assessed under national environment laws.		11,044.94	4,700

Table 2: Projects being considered under the EPBC Act with unreported estimated hectares of koala habitat to be cleared

NSW			
Project name	Proponent	Koala habitat to be cleared (ha)	Lifetime Coal Combustion emissions (Mt CO2-e)
Newstan Mine Extension Project	Banpu (Centenni- al)	948.7 ha of potential koala habitat was identified in the Project Area. 77 It is unclear how much vegetation will be cleared for the expansion of the underground mine.	63 ⁷⁸
QLD			
Project name	Proponent	Koala habitat to be cleared (ha)	Lifetime Coal Combustion emissions (Mt CO2-e)
Moorlands Open Cut Coal mining project	Cuesta Coal / Huaxin Energy	University of Queensland researchers and the Clermont community have raised concerns about the project impacts on the koala population. 79 1,267 ha of native vegetation is to be cleared, including 5 river-km of riparian corridors that provide connectivity of remnant vegetation and the Blair Athol State Forest. 80	12481
Dawson West Mining Project	Dawson West Coal Manage- ment	Koalas considered likely to occur, habitat and suitable feed trees identified. 11 trees with scratch marks were recorded. Greater Gliders recorded during surveys. No details on the area of habitat to be cleared. ⁸²	25383
Peak Downs Mine Continuation project	BHP / BMA	No figures on the total area of impacted habitat available. Several records of koala and greater glider presence on the site were recorded by surveys in areas planned to be cleared ⁸⁴	2,76885
Total Lifetime Coal Combustion emissions (Mt CO2-e)			3,208

Table 3: Projects with plans to clear koala habitat that have not yet been referred but are likely to be referred

NSW				
Project name	Proponent	Koala habitat to be cleared (ha)	Lifetime Coal Combustion emissions (Mt CO2-e)	
Maules Creek expansion	Whitehaven	Unknown	30086	
QLD				
Project name	Proponent	Koala habitat to be cleared (ha)	Lifetime Coal Combustion emissions (Mt CO2-e)	
Gemini Coal mine	Magnetic South	Unknown	8087	
Hail Creek Eastern Margin Extension Project	Glencore	599.5588	Unknown	
Total		599.55	380	

Appendix B - State government and financial institutions recommendations

State government recommendations

State governments are also responsible for approving new coal mines and coal mine expansions. In light of the findings, this report recommends that the QLD and NSW state governments also:

- 1. Put in place an immediate moratorium on the clearing of any further koala habitat for coal and gas and review environmental approvals of projects approved to impact on koala habitat in the last two years;
- 2. Deliver the promised Great Koala National Park in NSW, put in place a moratorium on logging in this area until park boundaries are finalised, and phase out native forest logging in NSW and QLD;
- 3. Reject any approvals for new coal mines and expansions, including those that impact koalas and greater gliders and other threatened species to address the threat of extinction from habitat destruction and climate change;
- 4. End the reliance on biodiversity offsets that enable destruction of critical koala and greater glider habitat;
- 5. Commit to a rapid phase out of fossil fuels, to safeguard endangered species like the koala from the devastating impacts of climate collapse;
- 6. Enact strong new or updated state-based nature laws that effectively protect threatened species and their habitat as well as comprehensively assess the climate impacts of proposed coal projects.

Finance recommendations

A handful of companies are responsible for the majority of coal mining proposed in koala habitat. Of the proposed new coal mines and expansions, the three companies responsible for the biggest potential impacts on koalas are Whitehaven Coal (7,594.9 ha), Glencore (1,191.75 ha), and BHP / BMA (1,169.87 ha). Any bank, investor, joint venture partner or insurer supporting these companies risks enabling the extinction of the koala in the wild, and campaigns from community groups to prevent further financing of coal mines with plans to destroy endangered koala habitat.

This report recommends that financial institutions, insurance companies, joint venture partners, and investors:

- 1. Rule out any new investments or arrangement of finance for any company pursuing new or expanded coal mines in koala habitat. Including but not limited to, Yancoal, Whitehaven Coal, Glencore, and BHP / BMA
- 2. Meet with community groups to discuss concerns regarding the impacts of new coal mines and expansions on koalas, and the climate impacts of these projects.

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