

The following are species and ecological communities listed as either Endangered or Vulnerable under the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act 1999)*, which have been recorded in the local area (Cambooya, Pittsworth, Jondaryan and Clifton Shires). It is probable that some of these will occur on the mining lease and associated area.

Group	Common Name	Scientific Name	EPBC Act 1999 listing	Expert opinion (RH_4Feb08 & IM_7Feb08)
birds	Squatter pigeon (southern subspecies) red goshawk	<i>Geophaps scripta scripta</i> <i>Erythrotriorchis radiatus</i>	Vulnerable Vulnerable	of most concern - possible in open woodland vagrant only - unlikely
mammals	spotted-tailed quoll (southern subspecies)	<i>Dasyurus maculatus maculatus</i>	Endangered	unlikely - but travel over large areas - remote possibility
reptiles	south-eastern lined earless dragon	<i>Tympanocryptis pinguicolla</i>	Endangered	definite possibility - would be surprised if not there (floodplain grasslands)
	long-legged worm-skink	<i>Anomalopus mackayi</i>	Vulnerable	definite possibility
herbs	Hawkweed	<i>Picris evae</i>	Vulnerable	definite winter/spring annual (particularly hillsides and roadsides)
	Austral cornflower	<i>Rhaponticum australe</i> (<i>Stemmacantha australis</i>)	Vulnerable	very likely (particularly hillsides and roadsides)
	toadflax	<i>Thesium australe</i>	Vulnerable	very likely (hillsides, roadsides in <i>Themeda triandra</i> - kangaroo grass)
grasses	Finger panic grass	<i>Digitaria porrecta</i>	Endangered	definitely, esp. on floodplains, grasslands, roadsides

Ecological communities	EPBC Act 1999 listing	Comments
Bluegrass (<i>Dichanthium</i> spp.) dominant grasslands of the Brigalow belt bioregions (North and South)	Endangered	mapped remnant within mining lease
Semi-evergreen vine thickets of the Brigalow Belt (North and South) and Nandewar Bioregions	Endangered	possibly present in small patches

The following are species listed as either Endangered, Vulnerable or Rare under the Queensland *Nature Conservation Act 1992* which have been recorded in the local area (Cambooya, Pittsworth, Jondaryan and Clifton Shires). It is probable that some of these will occur on the mining lease and associated area.

A mapped remnant of 'Endangered' Regional Ecosystems (RE 11.3.21: *Dichanthium sericeum* . . . grassland on alluvial plains. Cracking clay soils) listed under the Queensland *Vegetation Management Act 1999* also occurs on lands within the proposed project area.

Kingdom	Class	Scientific Name	Common Name	Q	A	Expert opinion (RH_4Feb08 & IM_7Feb08)
animals	amphibians	<i>Cyclorana verrucosa</i>	rough collared frog	R		should definitely be there
	birds	<i>Accipiter novaehollandiae</i>	grey goshawk	R		about to be downlisted to common - possibly in vine scrub
		<i>Erythrorhynchus radiatus</i>	red goshawk	E	V	vagrant only - unlikely
		<i>Calyptorhynchus lathamii</i>	glossy black-cockatoo	V		contender - esp if casuarina/bullock communities
		<i>Cacatua leadbeateri</i>	Major Mitchell's cockatoo	V		probably an aviary escape - out of normal range
		<i>Ephippiorhynchus asiaticus</i>	black-necked stork	R		vagrant only - unlikely unless lagoons
		<i>Geophaps scripta scripta</i>	Squatter pigeon (southern subspecies)	V	V	of most concern - possible in open woodland
		<i>Falco hypoleucos</i>	grey falcon	R		vagrant - core range lake eyre catchment
		<i>Melithreptus gularis</i>	black-chinned honeyeater	R		possibility in mtn coolibah/bluegums (forest red gum) – east-west migratory
		<i>Grantiella picta</i>	painted honeyeater	R		possibility in mtn coolibah/bluegums (forest red gum) – east-west migratory
	insects	<i>Hypochrysops piceata</i>	bullock jewel	E		unlikely unless casuarina present
	mammals	<i>Dasyurus maculatus maculatus</i>	spotted-tailed quoll (southern subspecies)	V	E	unlikely - but travel over large areas - remote possibility
		<i>Phascolarctos cinereus (southeast Qld bioregion)</i>	Koala (southeast Qld bioregion)	V		yes - same subgroup
		<i>Kerivoula papuensis</i>	golden-tipped bat	R		unlikely - more likely to be around Goomburra / Bunya Mountains

Kingdom	Class	Scientific Name	Common Name	Q	A	Expert opinion (RH_4Feb08 & IM_7Feb08)
	reptiles	<i>Tympanocryptis pinguicolla</i>	south-eastern lined earless dragon	E	E	definite possibility - would be surprised if not there (floodplain grasslands)
		<i>Hemiaspis damelii</i>	Grey snake	E		definite possibility - would be surprised if not there (floodplain grasslands)
		<i>Strophurus taenicauda</i>	golden-tailed gecko	R		like cypress and brigalow, but a definite possibility
		<i>Anomalopus mackayi</i>	long-legged worm-skink	E	V	definite possibility
	fish?					
plants	conifers	<i>Callitris baileyi</i>	Bailey's cypress	R		highly unlikely (mainly around Haden/Cooyar areas)
	higher dicots	<i>Picris evae</i>	Hawkweed	V	V	definite winter/spring annual (particularly hillsides and roadsides)
		<i>Rhaponticum australe</i> (<i>Stemmacantha australis</i>)	Austral cornflower	V	V	very likely (particularly hillsides and roadsides)
		<i>Wahlenbergia scopulicola</i>		R		not sure. check with Qld. Herbarium
		<i>Indigofera baileyi</i>		R		very likely (particularly hillsides, occasional on less disturbed roadsides)
		<i>Zornia pallida</i>		R		not sure. Check with Qld. Herbarium
		<i>Melaleuca formosa</i>		R		not sure. Check with Qld. Herbarium
		<i>Thesium australe</i>	toadflax	V	V	very likely (hillsides, roadsides in Themeda triandra)
		<i>Solanum papaverifolium</i>		E		possible (drainage lines, floodplains, gullies, near creeks in grassland)
		<i>Solanum stenopterum</i>		V		needs poplar box on red-brown earths with fine sands eg. Oakey
	monocots	<i>Cyperus clarus</i>		V		definitely, on basalt hills, often found with Stemmacantha
plants	monocots	<i>Diuris parvipetala</i>		R		slight possibility on hills, but seems unlikely to me
		<i>Digitaria porrecta</i>	Finger panic grass	R	E	definitely, esp. on floodplains, grasslands, roadsides

Q - Indicates the Queensland conservation status of each taxon under the Nature Conservation Act 1992. The codes are Endangered (E), Vulnerable (V), or Rare (R).

A - Indicates the Australian conservation status of each taxon under the Environment Protection and Biodiversity Conservation Act 1999. The codes are Conservation Dependent Endangered (E) and Vulnerable (V).

