

## Attachment 5:

Likelihood of Occurrence – Conservation  
Significant Ecological Communities

Community Name	Conservation Status (WA)	Likelihood of Occurrence	Justification
Doolgunna Calcrete Doolgunna calcrete groundwater assemblage type on Gascoyne palaeodrainage on Doolgunna Station	P1	Low/Not present	Record >20km south of Survey Area. Suitable habitat does not occur within the Survey Area
Robinson Range BIF Robinson Range vegetation complexes (banded ironstone formation)	P1	Low/Not present	Record >20km south-west of Survey Area. Suitable habitat does not occur within the Survey Area.
Three Rivers Calcrete Three Rivers calcrete groundwater assemblage types on Gascoyne palaeodrainage on Three Rivers Station	P1	Low/Not present	Record >30km north-west of Survey Area. Suitable habitat does not occur within the Survey Area.
Three Rivers Plutonic Calcrete Three Rivers Plutonic calcrete groundwater assemblage types on Gascoyne palaeodrainage on Three Rivers Station	P1	Low/Not present	Record 14km west of Survey Area. Suitable habitat does not occur within the Survey Area.
Bibbingunna LS Bibbingunna Land System	P3	Low/Not present	Record >30km west of Survey Area. Suitable habitat does not occur within the Survey Area.
Blech LS Blech Land System	P3	Low/Not present	Record 10km south-west of Survey Area. Suitable habitat does not occur within the Survey Area.
Frederick LS Frederick Land System	P3	Low/Not present	Records >10km from Survey Area. Suitable habitat does not occur within the Survey Area
Jingle LS Jingle Land System	P3	Low/Not present	Record >30km north of Survey Area. Suitable habitat does not occur within the Survey Area.
Peedawarra LS	P3	Low/Not present	Record 18km north-west of Site. Suitable habitat does not occur within the Site.



Community Name	Conservation Status (WA)	Likelihood of Occurrence	Justification
Peedawarra Land System			



## Attachment 6:

### Likelihood of Occurrence – Conservation Significant Flora

Species	Conservation Status (WA)	Flowering Period	Preferred habitat	Potentially Suitable Habitat Present within the Site	Pre-Survey Likelihood of Occurrence
<i>Euphorbia sarcostemmoides</i>	P1	unknown	Sandstone ridges, quartzite hills.	No	Low – Record 40km from Site, <20 years old. No suitable habitat within Site
<i>Eucalyptus semota</i>	P1	unknown	Clay. Quartz outcrops.	No	Low – Nearest record 22 km southeast of the Site <10 years old. No suitable habitat within Site
<i>Rhodanthe sphaerocephala</i>	P1	Oct	Clayey loam on flats	Yes	Medium – One historical record 9 km south of Site <20 years old.
<i>Ptilotus actinocladus</i>	P1	July to Nov	Flat, seasonally inundated plains with sparse vegetation	Yes	Medium – Nearest record 35 km south of Site, <20 years old.
<i>Eremophila demissa</i>	P1	Mar	Silcrete plain. Clay flats	Yes	Medium – Most recent record 4km south of Site, <10 years old.
<i>Indigofera fractiflexa</i> subsp. <i>Augustensis</i>	P2	unknown	Mount Augusta	No	Low – Records >36 km from Site, <20 years old. No suitable habitat within Site
<i>Maireana prosthocochaeta</i>	P3	Unknown	Laterite. Hills, salty places.	No	Low – Nearest record 21 km from Site, >20 years old. No suitable habitat within Site.
<i>Sida picklesiana</i>	P3	Apr to Sep, Feb	BIF and granite breakaways, stony plains and near creeklines	No	Low – Nearest record 15 km east of Site, <20 years old. No suitable habitat within Site.



Species	Conservation Status (WA)	Flowering Period	Preferred habitat	Potentially Suitable Habitat Present within the Site	Pre-Survey Likelihood of Occurrence
<i>Thryptomene</i> sp. Leinster (B.J. Lepschi & L.A. Craven 4362)	P3		Gravelly hillslopes of banded ironstone formation, haematite and quartz; quartz flats	No	Low - Nearest record 42 km southwest of Site, <20 years old. No suitable habitat within Site
<i>Homalocalyx echinulatus</i>	P3	Jun to Sep	Laterite, breakaways and sandstone hills	No	Low - Nearest record 20km from Site, <20 years old. No suitable habitat within Site.
<i>Prostanthera ferricola</i>	P3		Shallow red-brown skeletal sandy loam on banded ironstone, laterite, basalt or quartz. Gently inclined mid to upper slopes of hills, rocky crests, outcrops.	No	Low - Records >36 km from Site, <20 years old. No suitable habitat within Site
<i>Tribulus adelacanthus</i>	P3	Unknown	Gravelly hillslopes of banded ironstone formation, haematite and quartz; quartz flats	No	Low - Historical record 30 km from Site, >40 years old. No suitable habitat within Site
<i>Hemigenia virescens</i>	P3	July, August or December.	Red sand and laterite	Yes	Medium - Nearest record 18 km north of Site, <20 years old.
<i>Hemigenia tysonii</i>	P3	May or Jul to Dec	red sand, sandy clay, and lateritic sand on flats, sand dunes and hills	Yes	Medium - Nearest record 22 km south-east of Site, <20 years old.



Species	Conservation Status (WA)	Flowering Period	Preferred habitat	Potentially Suitable Habitat Present within the Site	Pre-Survey Likelihood of Occurrence
<i>Ptilotus luteolus</i>	P3	Unknown	Red sandy soils, stony hills and screes	Yes	Medium – Records 27 km south of Site, <10 years old.
<i>Sauropus Woolgorong</i> sp. (M. Officer s.n. 10/8/94)	P3	June	Typically on red sand plains, but also on moderately rocky hill crests and slopes	Yes	Medium – Record 50 km from Site, <20 years old.
<i>Goodenia berringbinensis</i>	P4	Oct	Red sandy loam. Along watercourses.	No	Low – Nearest record 8.5 km north of Site, <20 years old. No suitable habitat (watercourses) within Site.
<i>Dodonaea amplisemina</i>	P4	Aug	Red-brown sandy clay on basalt and gabbro and banded ironstone or on dolerite and quartzite. Rocky hills.	No	Low – Nearest record 27 km of southwest of Site, 20 years old. No suitable habitat within Site



## **Attachment 7:**

**Likelihood of Occurrence – Conservation  
Significant Fauna**





Scientific name	Common Name	Conservation Status (WA)	Likelihood of Occurrence	Justification
<i>Macrotis lagotis</i>	Greater Bilby	VU	Low	No known records within buffer of Site, no suitable habitat (open grassland) occurs within Site.
<i>Leipoa ocellata</i>	malleefowl	VU	Low	Record >30km from Site, no suitable habitat (scrubland and woodland) occurs within Site.
<i>Falco hypoleucos</i>	grey falcon	VU	Medium	No known records, Site within potential occurrence distribution.
<i>Merops ornatus</i>	Rainbow bee-eater	Marine	Low	No known records within buffer of Site. The species may occur throughout Australia and inhabits a broad range of habitat types including open forests, woodlands, and shrubland, often in proximity to permanent water sources. In arid or semi-arid areas, the species is associated with riparian, floodplain or wetland vegetation assemblages. The habitat within the Site is unlikely to support the species.
<i>Chrysococcyx osculans</i>	Black eared Cuckoo	Marine	Medium	No known records within buffer of Site. The species inhabits dry woodlands, typically in arid regions. The Site is within the likely distribution of the species.
<i>Tringa nebularia</i>	common greenshank	MI	Low	Historical record 30km from Site, >80 years old, no suitable habitat (Wetland) occurs within Site.
<i>Calidris acuminata</i>	sharp-tailed sandpiper	MI	Low	No known records within buffer of Site, no suitable habitat (coastal shores, salt lakes, mudflats) occurs within Site.
<i>Motacilla flava</i>	Yellow Wagtail	MI	Low	No known records within buffer of Site, no suitable habitat (damp marshes) occurs within Site.



Scientific name	Common Name	Conservation Status (WA)	Likelihood of Occurrence	Justification
<i>Charadrius veredus</i>	Oriental Plover	MI	Low	No known records within buffer of Site, no suitable habitat (elevated open upland flats) occurs within Site.
<i>Calidris melanotos</i>	Pectoral sandpiper	MI	Low	No known records within buffer of Site, no suitable habitat (lakes, coastal/inland wetlands) occurs within Site.
<i>Motacilla cinerea</i>	Grey Wagtail	MI	Low	No known records within buffer of Site, no suitable habitat (lakes, coastal/inland wetlands) occurs within Site.
<i>Actitis hypoleucos</i>	common sandpiper	MI	Low	One record >20km from Site, no suitable habitat (wetland) occurs within Site.
<i>Calidris ruficollis</i>	red-necked stint	MI	Low	Record >20km from Site, no suitable habitat (coastal shores, salt lakes, mudflats) occurs within Site.
<i>Falco peregrinus</i>	peregrine falcon	OS	Medium	No known records, Site within potential occurrence distribution.
<i>Polytelis alexandrae</i>	princess parrot	P4	Low	Historical record 30km from Site, >80 years old, no suitable habitat (shrubland) occurs within Site.
<i>Dasyercus blythi</i>	brush-tailed mulgara	P4	Low	Records >30km from Site, <30 years old, no suitable habitat (Spinifex grassland) within Site.
<i>Dasyercus cristicauda</i>	crest-tailed mulgara, minyiminyl	P4	Low	Records >30km from Site, <30 years old, no suitable habitat (Spinifex grassland) within Site.

