



2015 Fauna habitat assessment and mapping program

Assessment Report

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Abbreviations and Units

Acronym	Description
EPBC Act	Environmental Protection and Biodiversity Conservation Act 1999
CSG	Coal Seam Gas
EVNT	Endangered, Vulnerable or Near Threatened
GLNG	Gladstone Liquefied Natural Gas
GTP	Gas Transmission Pipeline
ha	Hectares
HMAT	Habitat Mapping Assessment Tool
km	Kilometres
NC Act	Nature Conservation Act 1992
RE	Regional Ecosystem
SSMP	Significant Species Management Plan

1.0 Introduction

The Santos GLNG Project involves the development of Coal Seam Gas (CSG) resources in the Surat and Bowen Basins in Queensland, to supply gas via a 430 km gas transmission pipeline (GTP) to the LNG Facility located on Curtis Island. Throughout the development of the Santos GLNG Project and in accordance with Santos GLNG Project approvals, potentially impacted environmental values are systematically identified and assessed and in order of preference are avoided, minimised or mitigated.

Habitat for threatened fauna species present a constraint to field development activities and therefore identification is required to demonstrate compliance with Santos GLNG's regulatory environmental approval obligations. In addition, where disturbances to habitat for significant fauna species are permitted, limits apply to the extent of the disturbance. Prior to undertaking any land disturbance activities, Santos GLNG must assess for the presence or absence of habitat for significant fauna species to ensure that the activity can proceed in accordance with the relevant environmental approval conditions and to record and manage disturbances to fauna habitat.

This report documents the assessment and mapping of fauna habitats to meet these regulatory obligations.

1.1 Purpose and Scope

The purpose of this assessment report is to provide the results for each of the five separate fauna habitat assessment and mapping field trips completed in 2015. The results detailed in this report are restricted to the five assessment areas shown in Figure 1. This report is limited to fauna habitat mapping only and the results of the regional ecosystem vegetation community mapping completed at the same time has been reported separately (Refer to Section 1.2 below). It should also be noted that there was additional fauna habitat survey and mapping completed in 2015 in other areas of the Santos GLNG gas fields, however this information has been documented in other reports.

1.2 Related Documents

This report provides the results of five separate fauna habitat assessment and mapping trips completed in 2015. The fauna habitat assessment and mapping was completed in conjunction with detailed regional ecosystem mapping. These regional ecosystem assessment and mapping reports completed are listed below:

- Field Validated Regional Ecosystem Mapping of R3T2 (0086), report prepared by Terrestria, March 2016.
- Field Validated Regional Ecosystem Mapping of RW3a (0082), report prepared by Terrestria, December 2015.
- Detailed Regional Ecosystem Mapping PL282 (R003143a), report prepared by O2 Ecology, May 2015.
- Detailed Regional Ecosystem Mapping PL281 (R003577), report prepared by O2 Ecology November 2015.
- Detailed Regional Ecosystem Mapping PL310 (in part) (R003662), report prepared by O2 Ecology, December 2015.

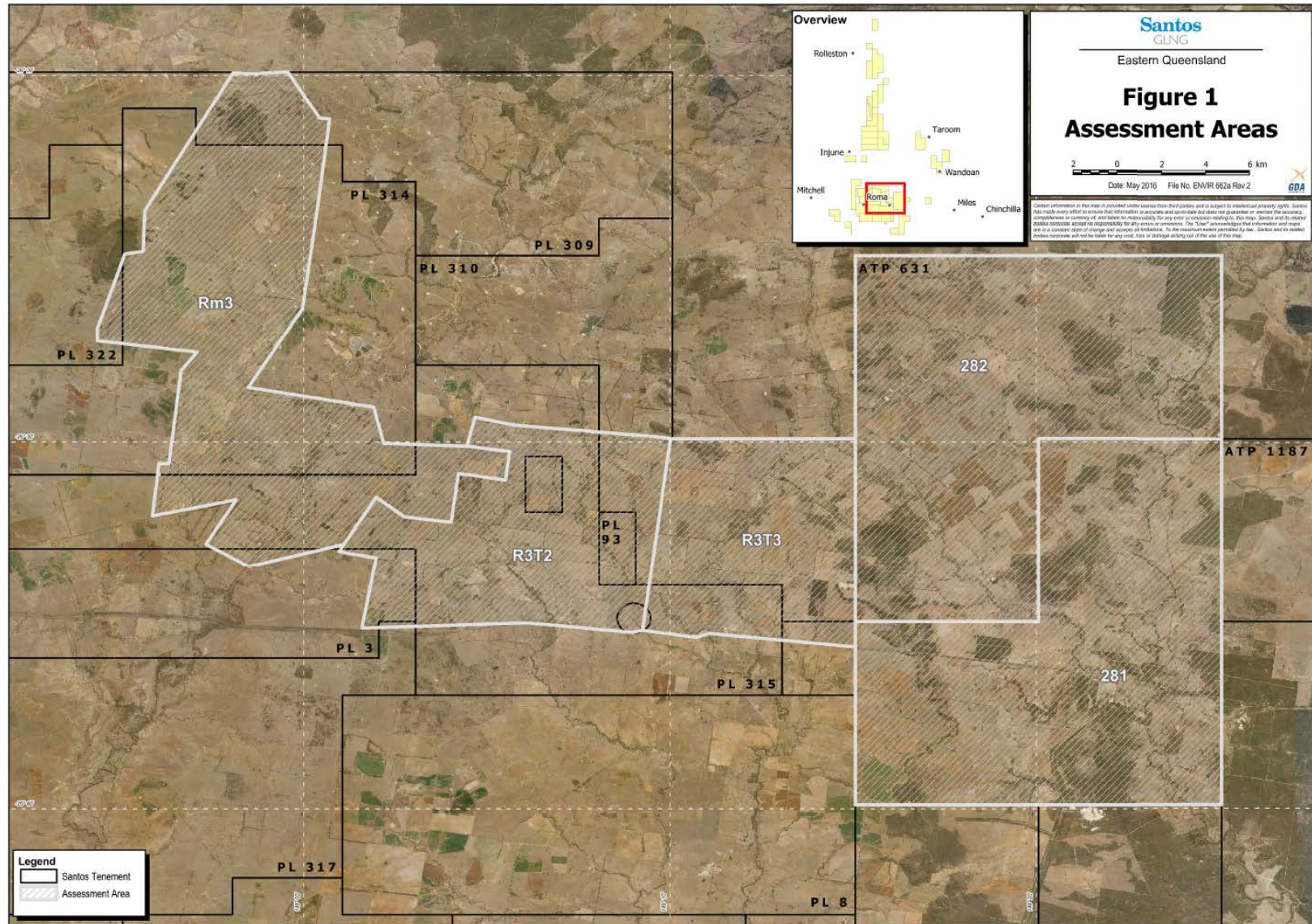


Figure 1: The location of the five assessment areas

2.0 Methodology

2.1 Study Area

The fauna habitat assessment and mapping was conducted over five separate assessment areas. Each assessment area was assigned a project name as a prefix for data identification (See Figure 1).

2.2 Significant species

Habitat assessment and mapping were completed for 11 significant fauna species of which Santos GLNG has disturbance limits and offsets obligations under existing environmental approvals. The Brigalow Scaly-foot (*Paradelma orientalis*) has recently been delisted and was not assessed as part of this process. The 11 fauna species assessed and mapped as part of the 2015 fauna habitat and mapping assessment program:

- *Chalinolobus dwyeri* (Large-eared Pied Bat, Large Pied Bat);
- *Dasyurus hallucatus* (Northern Quoll);
- *Nyctophilus corbeni* (South-eastern Long-eared Bat, Corben's Long-eared Bat);
- *Erythrotriorchis radiatus* (Red Goshawk);
- *Geophaps scripta scripta* (Squatter Pigeon (Southern));
- *Rostratula australis* (Australian Painted Snipe);
- *Turnix melanogaster* (Black-breasted Button-quail);
- *Delma torquata* (Collared Delma);
- *Denisonia maculata* (Ornamental Snake);
- *Egernia rugosa* (Yakka Skink);
- *Furina dunmalli* (Dunmall's Snake);

2.3 Desktop Assessment and HMAT site selection

A desktop assessment was undertaken to identify if fauna habitat for a significant species was likely to occur within each of the five assessment areas. This was done by reviewing Santos' predictive habitat mapping, aerial photography and previously commissioned ecological reports for assessments conducted within the vicinity of the Roma gas fields.

Following the desktop assessment, an assessment of species presence in the five assessment areas was conducted. Species presence in some petroleum tenements were excluded where previous assessment reports identified that the species was unlikely to occur given the geographic distribution and availability of preferred habitat. The information relied upon to exclude these species from certain petroleum tenements was taken from the *Review of the Presence of Fauna and Flora Listed in the Significant Species Management Plan for the Santos GLNG Gas Field Development Project* report (Boobook 2015).

The Habitat Mapping Assessment Tool (HMAT) sites were selected as representative samples of the broad fauna habitat types within each of the five assessment areas. Dependant on land access and landholder constraints, all broad fauna habitat types present within each of the five assessment areas were assessed.

2.4 Habitat Mapping and Assessment Tool (HMAT)

The Habitat Mapping Assessment Tool (HMAT) assesses 16 significant fauna species. These 16 significant species include the 11 species mentioned above in Section 2.2 which Santos GLNG has disturbance limits and offset obligations under existing environmental approvals for, as well as the Brigalow Scaly-foot (*Paradelma orientalis*) (recently delisted) and 4 additional fauna species that were included in the HMAT tool because of their unique habitat requirements.

In total, 222 fauna habitat assessments were carried out across the five assessment areas. Assessments were completed in all of the broad vegetation groups and broad habitat types represented in the assessment areas. The location of the 222 assessment sites is detailed in Figure 2.

At each survey location, fauna habitat assessments were undertaken in conjunction with vegetation community surveys or as required where significant variation in the type and abundance of habitat features occurred. Habitat assessments were completed using HMAT version: (HMAT_Santos_RevA4.xls (Santos 2014b)).

The HMAT incorporates both landscape and microhabitat factors into the site assessment, which includes:

- Tenure in which the Habitat Zone is located (Part A of HMAT). This allows a filter based on species distribution. Only the species known or likely to occur within a tenure will be further assessed
- Biodiversity Planning Assessment (BPA) Mapping (Part B of HMAT)
- Proximity to water (Part C of HMAT)
- Underlying vegetation type (Part D of HMAT)
- Specimen backed records (Part E of HMAT)
- Microhabitat features present (Part F).

The output of the HMAT is a prediction of habitat classes of Unlikely, General, Essential or Core habitat for each of the significant fauna species identified in the preliminary desktop assessment. The resulting output of the HMAT habitat prediction is then reviewed and either confirmed, or rejected with justification.

The results of HMAT analysis were used to develop GIS-based mapping of potential habitat for the identified species within the five assessment areas. Where an area of habitat was identified on the aerial photography and a HMAT assessment was not conducted, the results of previous 222 HMAT assessments were applied and the data was extrapolated using the relevant habitat features (e.g. vegetation type, presence of gilgai). Habitat mapping extrapolation contained within this report was limited to species listed in Santos GLNG EPBC Act approval (2008/4059).

2.5 Opportunistic Sightings

Any incidental records of fauna obtained during the HMAT and vegetation assessments and general property traverses to and in between sites (on foot and driving) were documented to develop an inventory of species and to record the presence of any species of conservation significance.

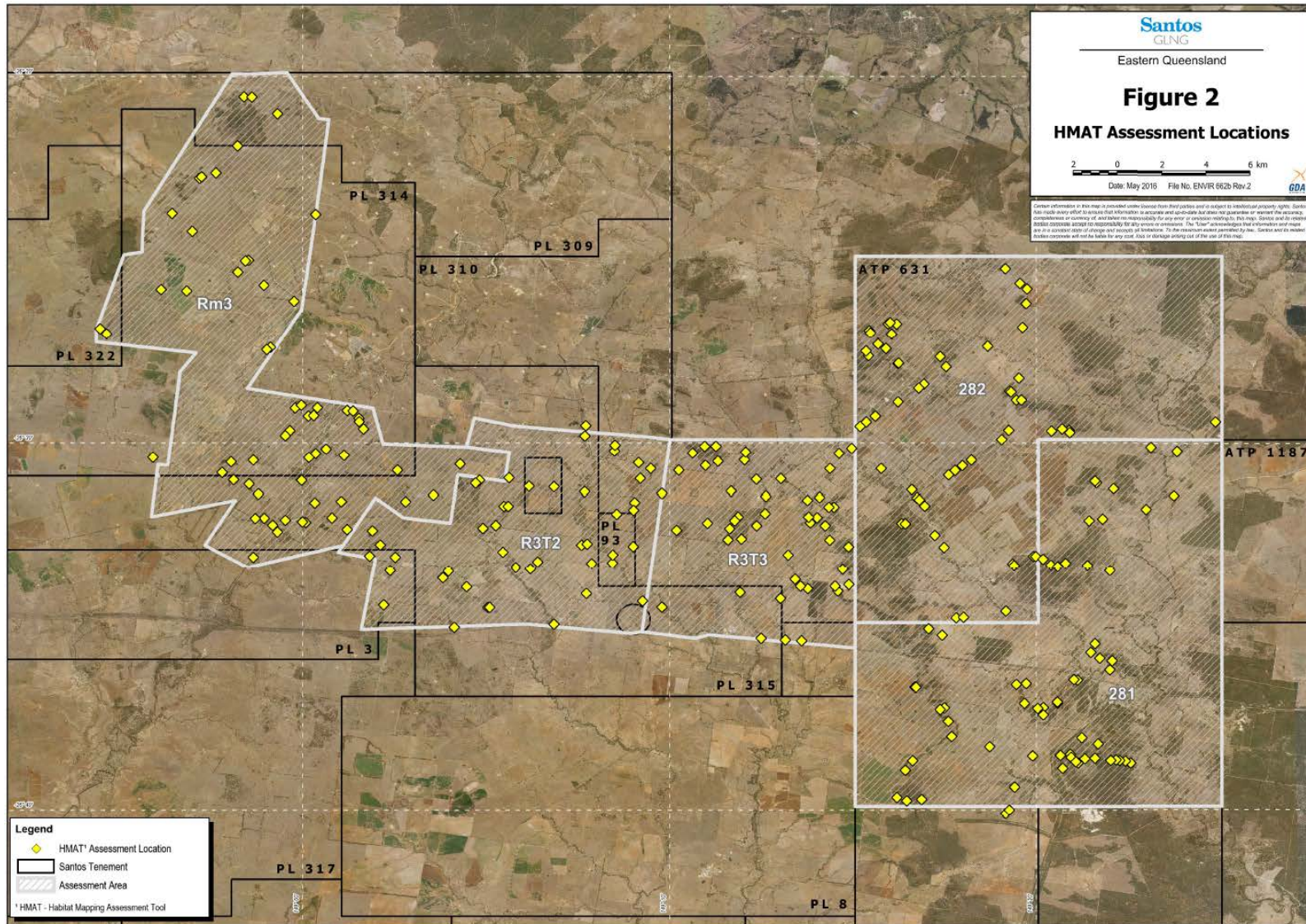


Figure 2: HMAT assessment locations

3.0 Results and Discussion

3.1 Desktop assessment and site selection

An assessment on the fauna species presence in the five assessment areas was conducted. The desktop assessment identified that 7 of the 16 species were likely to occur within all five assessment areas. Where previous assessment reports identified that the species was unlikely to occur given the geographic distribution and availability of preferred habitat, the species was excluded from further assessment. Table 1 provides the list of species excluded from all or part of the five assessment areas and the justification as to why the species was excluded.

Table 1: Species excluded from the five assessment areas based on the geographic distribution and availability of preferred habitat.

Species	Justification
<i>Chalinolobus dwyeri</i> (Large-eared Pied Bat)	All known occurrences of this species are within or near forested landscapes with relatively high relief (DEHP 2015). The likely presence of appropriate geology (usually sandstone) providing essential habitat (caves, crevices, holes) was not observed in any of the five assessment areas.
<i>Dasyurus hallucatus</i> (Northern Quoll)	The Northern quoll was formerly widespread in the areas covered by the 2015 survey effort, however; this species is now confined to rugged and remote areas throughout its distribution (Burnett 2012). It is assumed that forested uplands with high relief, and or containing abundant rock outcrops, may support the species. The five assessment areas surveyed as part of this report contain limited areas of rocky outcrops and relief. For this reason, the assessment has ruled out the presence of habitat for the northern and habitat for this species has not been mapped.
<i>Erythrotriorchis radiatus</i> (Red Goshawk)	This is a highly mobile species with a large home range. Breeding habitat is in intact tall forest associated with major drainage lines but the species could potentially forage much further away from these areas. Based on known occurrence (ALA 2015) the forested uplands of the Fitzroy and Dawson River catchments may support this species. However, no evidence could be found to support the presence of the species within watercourses of the Maranoa-Balonne River catchments within the GFD area.
<i>Geophaps scripta scripta</i> (Squatter Pigeon (Southern))	No Evidence derived from historical and current publicly accessible datasets indicate that the Squatter Pigeon is no longer within the tenements of the Roma Gas Field. This finding is supported by long-term observations of BOOBOOK Ecological Consulting staff. Principal Ecologist Craig Eddie and Senior Ecologist Richard Johnson have each lived in Roma for the past 20 years and have a combined 40 years of experience in fauna survey in the Brigalow Belt bioregion from the mid-1990's to the present. They, and other BOOBOOK staff, have never encountered a Squatter Pigeon within the area occupied by the Roma Gas Field, despite a considerable amount of field time spent there.
<i>Turnix melanogaster</i> (Black-breasted Button-quail)	Other than the areas of higher elevation on the Grafton Range, the favoured Semi-evergreen Vine Thicket (SEVT) preferred habitat for the Black-breasted Button-quail was not observed in any of the five assessment areas. Previous assessment of the occurrence of this species in Santos GLNG tenements by BOOBOOK indicate that undetected populations may occur in extensive and connected SEVT patches. On this basis, Grafton Range was specifically excluded.

Species	Justification
<i>Denisonia maculata</i> (Ornamental Snake)	The southern extent of the distribution of this taxon is poorly known (BOOBOOK unpublished data), reflecting limited survey effort in this area. It is potentially present in lowlands associated with the Dawson and Fitzroy catchments within nominated tenements. The five assessment areas lie outside the species known or predicted distribution.

3.2 Habitat Mapping and Assessment Tool (HMAT)

Habitat for five of the 11 species assessed was observed during the 2015 survey effort. Three of the five species mapped are considered to have the same broad habitat requirements. The Collared Delma, Yakka skink and Dunmalls snake all rely on ground level habitat features, in particular woodlands and open forests with abundant woody debris. The habitat mapping for these three species shows that they are expected to occur in the same areas and the habitat for these species had the greatest extent of coverage in all five assessment areas. The total area of habitat detected in each assessment area is provided in Table 2 and all 222 HMAT input and results sheets are provided in Appendix B of this report.

Table 2: Summary results of HMAT fauna habitat assessments, area of total habitat per assessment area

Species	Habitat detected in each assessment area				
	Rm3	R3T2	R3T3	281	282
<i>Nyctophilus corbeni</i> (South-eastern Long-eared Bat)	713.9	1,134.2	1,079.5	5,347.3	5,727.9
<i>Rostratula australis</i> (Australian Painted Snipe)	92.4	128.2	118.9	428.0	214.0
<i>Delma torquata</i> (Collared Delma)	766.0	1,134.2	1,092.1	6,061.1	5,727.9
<i>Egernia rugosa</i> (Yakka Skink)	766.0	1,134.2	1,092.1	6,061.1	5,727.9
<i>Furina dunmali</i> (Dunmall's Snake)	766.0	1,134.2	1,092.1	6,061.1	5,727.9

Habitat for any EVNT fauna species is an environmental constraint on field development for the GLNG Project. Santos GLNG approvals requires that development avoid areas of habitat wherever possible. The combined total area of fauna habitat across the five assessment areas is 14,781 ha. The location and extent of these fauna habitat areas is shown in Figure 3 to Figure 7.

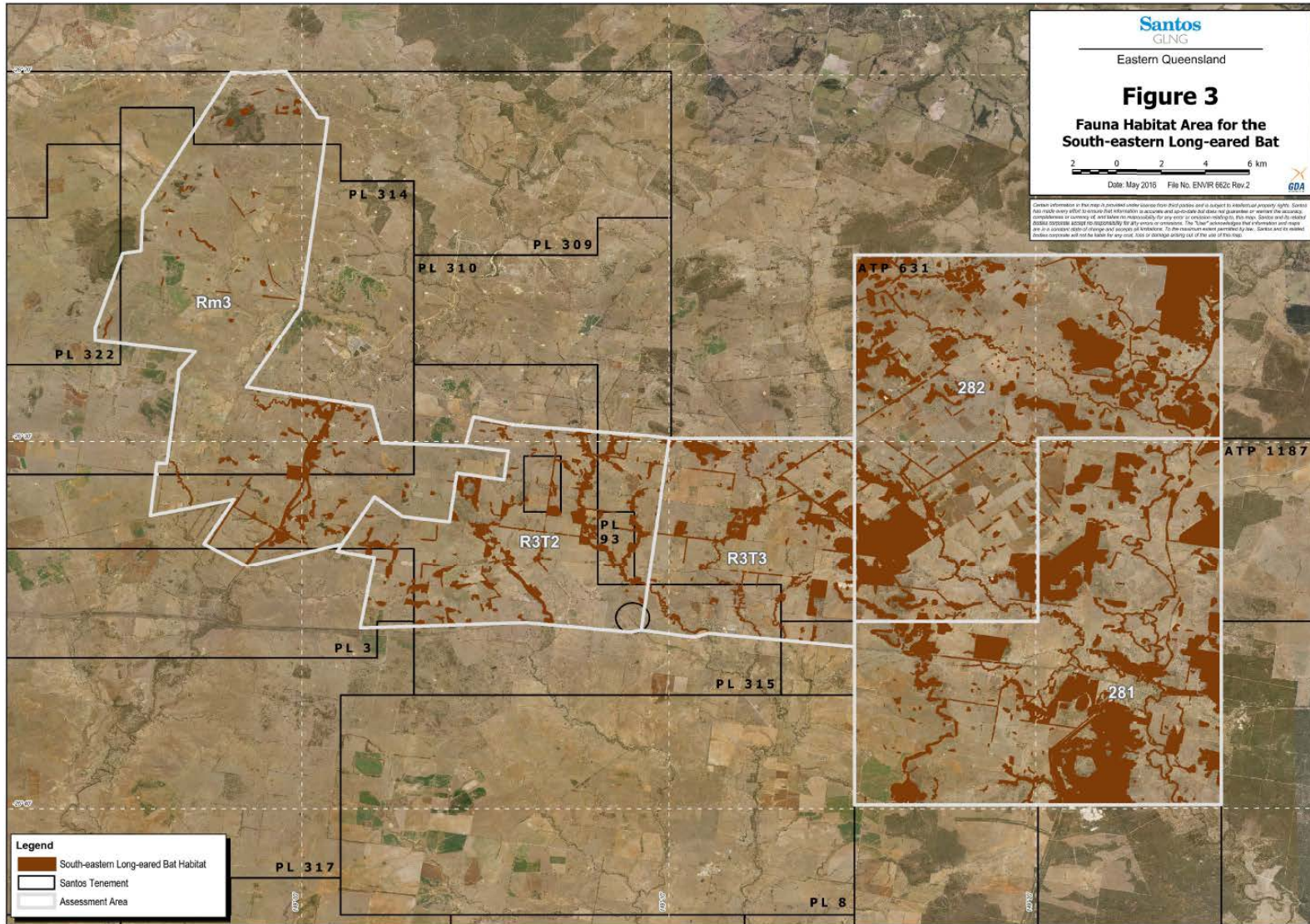


Figure 3: Fauna habitat areas for the South-eastern Long-eared Bat

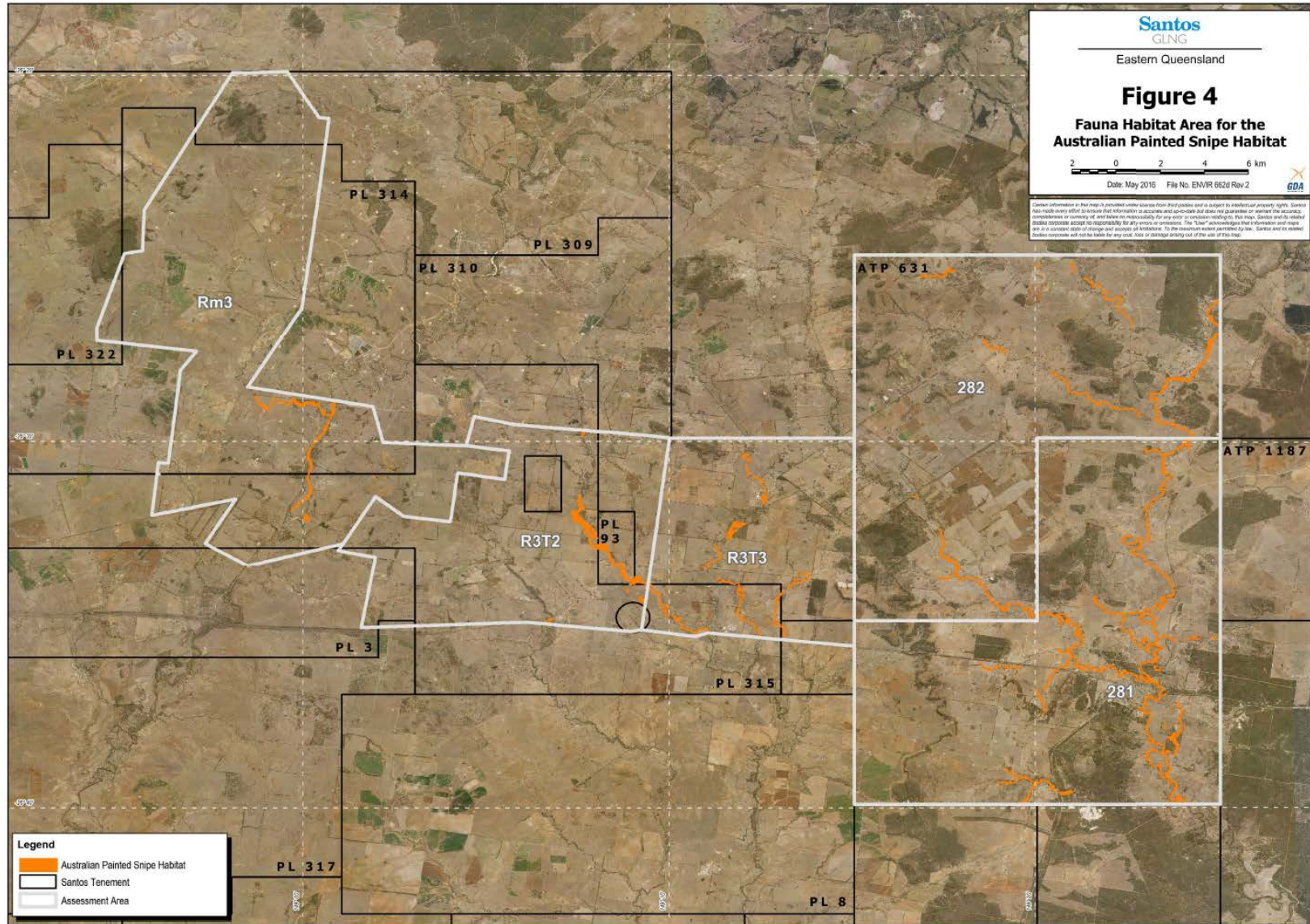


Figure 4: Fauna habitat areas for the Australian Painted Snipe

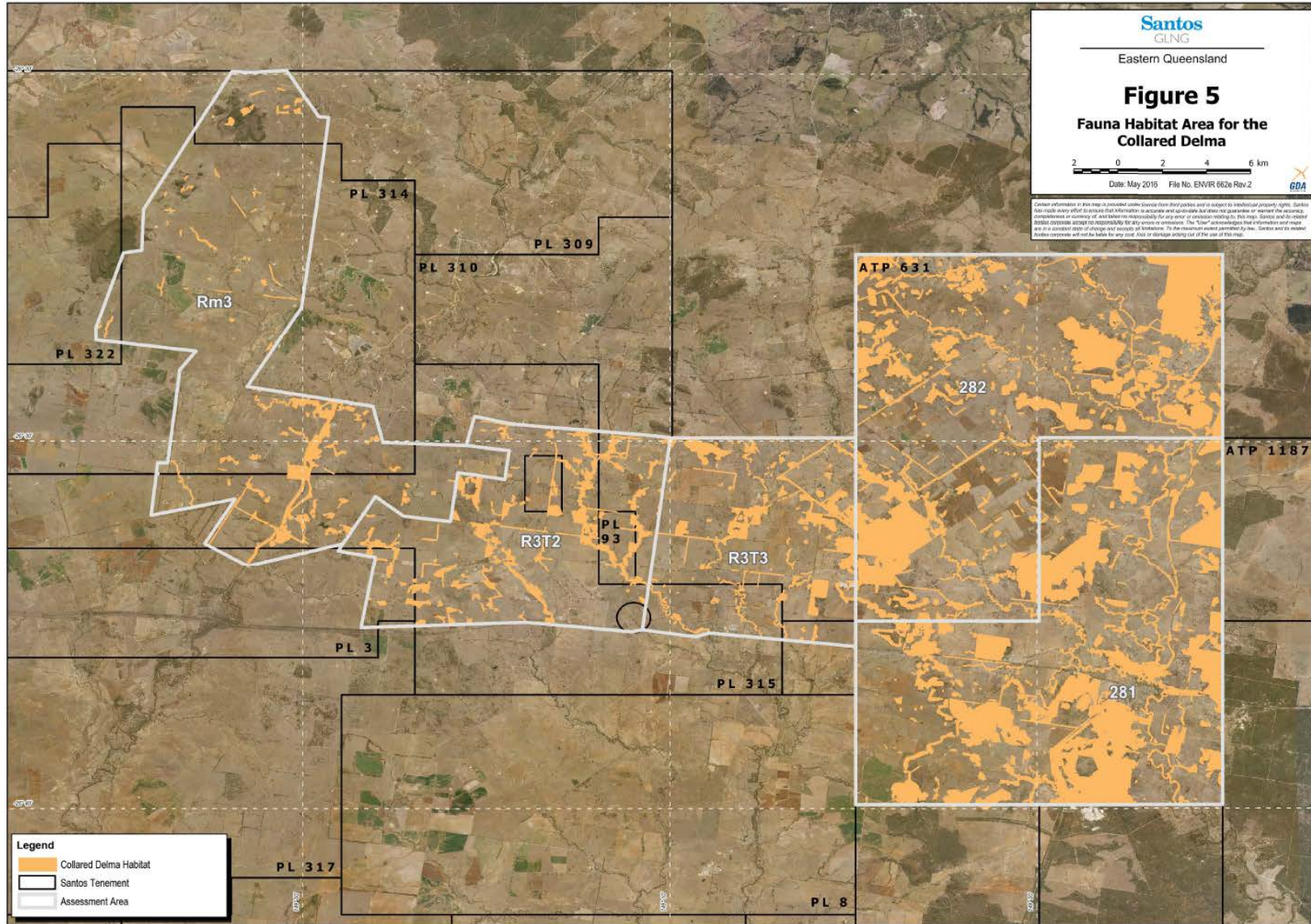


Figure 5: Fauna habitat areas for Collared Delma

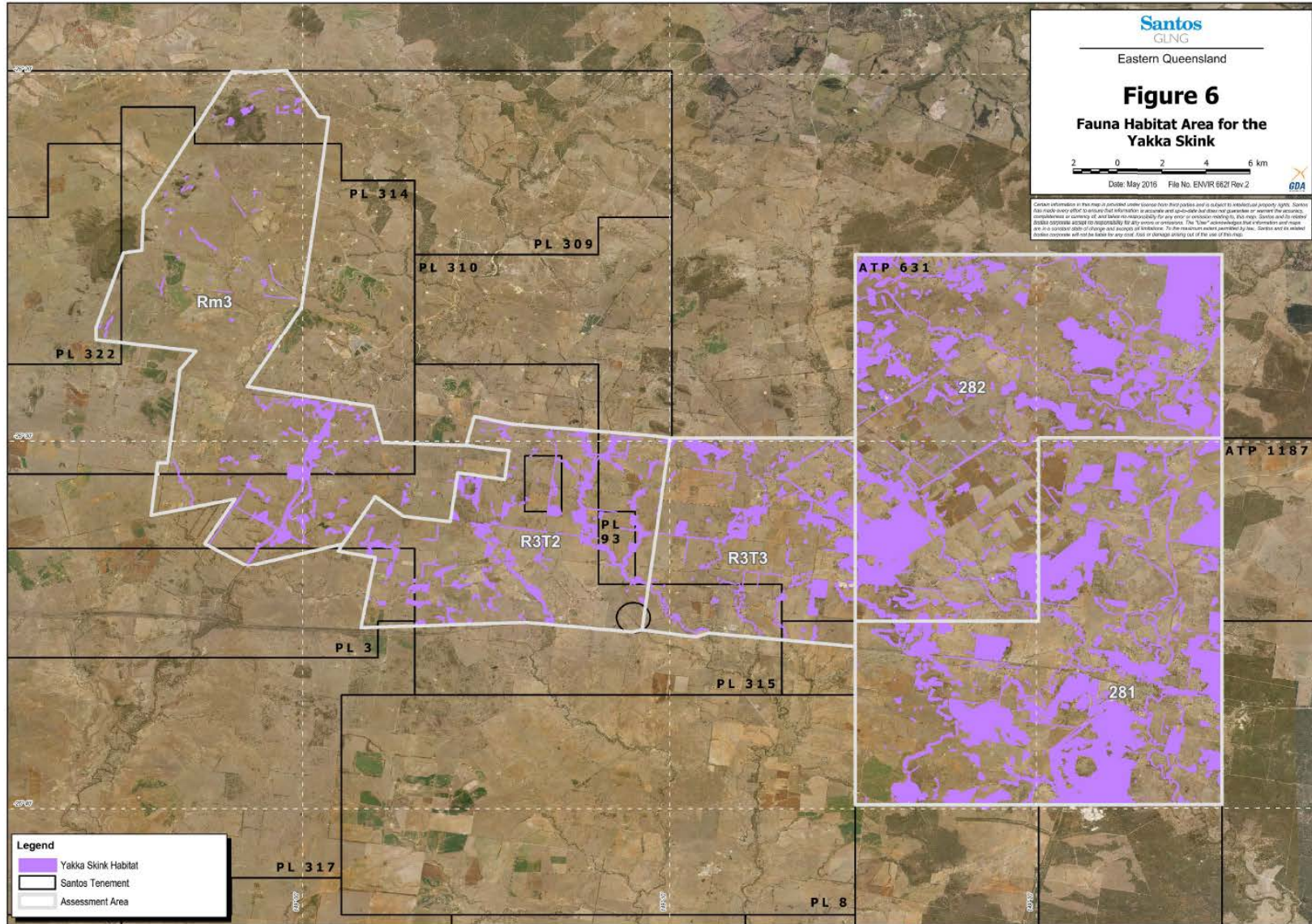


Figure 6: Fauna habitat areas for the Yakka skink

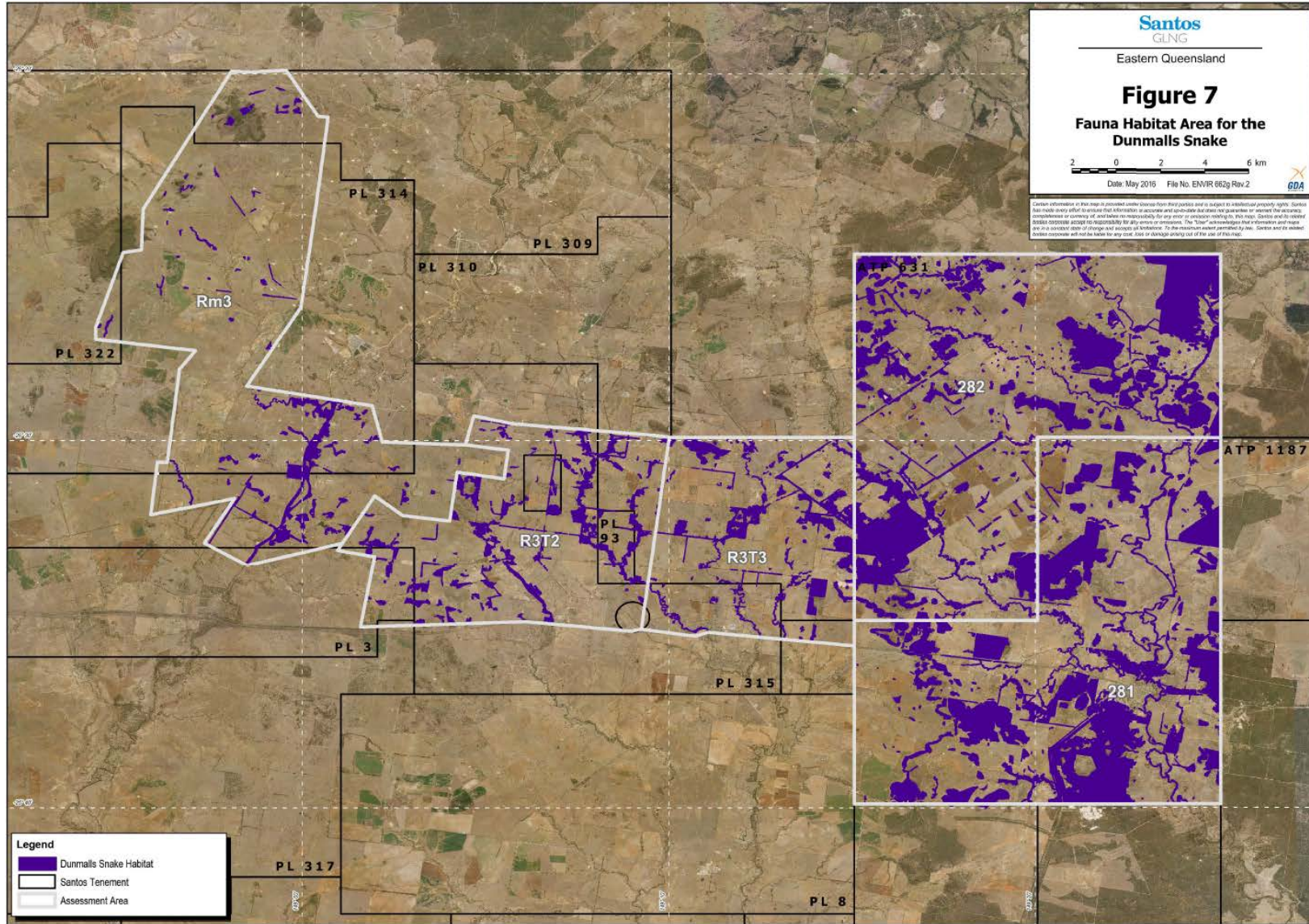


Figure 7: Fauna habitat areas for the Dunmall's Snake

3.3 Opportunistic sightings

Seventy-one wild fauna species were observed during the 2015 fauna habitat assessment and mapping program. The species that were observed included:

- One species listed as endangered vulnerable or near threatened (EVNT) under the NC Act and EPBC Act was observed. A Koala was observed in a very small and isolated patch of forest red gum running along Sleepy Creek PL 314. In addition to the visual observation of this species, characteristic scats were observed in a number of locations where forest red gums dominated the canopy of riparian vegetation (RE 11.3.25) (See Figure 4 below).
- Two species listed as Special Least Concern (SLC) under the NC Act were observed, the Short-beaked echidna and the Koala
- Two species, listed as migratory under the EPBC Act: the Rainbow Bee-eater (*Merops ornatus*) and Eastern Great Egret (*Ardea modesta*). These two species were observed on all five of the surveys trips.

A full list of the species opportunistically observed during these assessments is provided in Appendix B of this report.



Figure 8: A Koala in a forest red gum on the banks of Sleepy Creek and the characteristics Koala scats observed in many locations where RE 11.3.25 was the dominant vegetation community

4.0 Conclusion

The extent and coverage of fauna habitat across the five assessment areas generally reflects the historic land uses in the area. Areas further to the west have limited fauna habitat values due to the extent of historic clearing and development of pastures. Assessment areas 281 and 282 have less historic disturbances and contain a greater extent of remnant vegetation and as a result, greater area of fauna habitat.

5.0 References

Boobook (2015) *Review of the Presence of Fauna and Flora Listed in the Significant Species Management Plan for the Santos GLNG Gas Field Development Project*, Roma, Queensland.

O2 Ecology (2015a) *Detailed Regional Ecosystem Mapping PL282 (R003143a)*, Brisbane, Queensland.

O2 Ecology (2015b) *Detailed Regional Ecosystem Mapping PL281 (R003577)*, Brisbane, Queensland.

O2 Ecology (2015c) *Detailed Regional Ecosystem Mapping PL310 (in part) (R003662)*, Brisbane, Queensland.

Santos (2014) *Santos GLNG Upstream Significant Species Management Plan*.

Terrestria (2015) *Field Validated Regional Ecosystem Mapping of RW3a (0082)*, Brisbane, Queensland.

Terrestria (2016) *Field Validated Regional Ecosystem Mapping of R3T2 (0086)*, Brisbane, Queensland.



APPENDIX A

HMAT Assessment Reports

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s1

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	Yes
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	Yes
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY

EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s20

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	SEVT Vine Forest Vegetation

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	Yes
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	Yes
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	General Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	Unlikely Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	Unlikely Habitat		
Collared delma	Unlikely Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s21

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Core Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Core Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s22

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	Yes
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY

EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Core Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Core Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s23

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s24

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	General Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s25

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY

EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	General Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s26

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	ATP 631P	
Koala		Yes
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		Yes
South-eastern long-eared bat		Yes
Northern quoll		Yes
Ornamental snake		
Dunmall's snake		Yes
Brigalow scaly-foot		Yes
Yakka skink		Yes
Collared delma		Yes
Australian painted snipe		Yes
Fitzroy river turtle		
Murray cod		Yes
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	General Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s27

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	ATP 631P	
Koala		Yes
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		Yes
South-eastern long-eared bat		Yes
Northern quoll		Yes
Ornamental snake		
Dunmall's snake		Yes
Brigalow scaly-foot		Yes
Yakka skink		Yes
Collared delma		Yes
Australian painted snipe		Yes
Fitzroy river turtle		
Murray cod		Yes
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	General Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s28

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s29

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s30

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s31

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	Unlikely Habitat		
Brigalow scaly-foot	Unlikely Habitat		
Yakka skink	Unlikely Habitat		
Collared delma	Unlikely Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	2PL281-s32

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	ATP 631P	
Koala		Yes
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		Yes
South-eastern long-eared bat		Yes
Northern quoll		Yes
Ornamental snake		
Dunmall's snake		Yes
Brigalow scaly-foot		Yes
Yakka skink		Yes
Collared delma		Yes
Australian painted snipe		Yes
Fitzroy river turtle		
Murray cod		Yes
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s33

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	Yes
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	ATP 631P	
Koala		Yes
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		Yes
South-eastern long-eared bat		Yes
Northern quoll		Yes
Ornamental snake		
Dunmall's snake		Yes
Brigalow scaly-foot		Yes
Yakka skink		Yes
Collared delma		Yes
Australian painted snipe		Yes
Fitzroy river turtle		
Murray cod		Yes
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s34

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	ATP 631P	
Koala		Yes
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		Yes
South-eastern long-eared bat		Yes
Northern quoll		Yes
Ornamental snake		
Dunmall's snake		Yes
Brigalow scaly-foot		Yes
Yakka skink		Yes
Collared delma		Yes
Australian painted snipe		Yes
Fitzroy river turtle		
Murray cod		Yes
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s35

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed
	Koala
	Squatter pigeon
	Black-breasted button-quail
	Red goshawk
	Large-eared pied bat
	South-eastern long-eared bat
	Northern quoll
	Ornamental snake
	Dunmall's snake
	Brigalow scaly-foot
	Yakka skink
	Collared delma
	Australian painted snipe
	Fitzroy river turtle
	Murray cod
	Boggomoss snail

PART F	What microhabitat features present?
	Dense leaf litter (> 50%)
	Tall trees present (> 18m)
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes
	Deeply dissected sandstone rock faces, cliffs line and caves
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km
	Rivers with large deep pools and abundant rock or woody habitat features
	Rivers with large deep pools interconnected by riffles
	Loose/exfoliating bark
	Cracking clay soils
	Swamps, gilgai and other ephemeral wetlands
	Hollow-bearing trees within 1km
	Hollow logs
	Coarse woody debris (non-hollow logs and large pieces of bark)
	Thick shrub layer (>30% shrub cover)
	Myrtaceae dominated canopy
	Sink holes/tunnel erosion
	Termite mounds
	Burrow complexes

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	Unlikely Habitat		
Brigalow scaly-foot	Unlikely Habitat		
Yakka skink	Unlikely Habitat		
Collared delma	Unlikely Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s36

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	Unlikely Habitat		
Brigalow scaly-foot	Unlikely Habitat		
Yakka skink	Unlikely Habitat		
Collared delma	Unlikely Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s37

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s38

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	General Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s39

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	Yes
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	General Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s40

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	ATP 631P	
Koala		Yes
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		Yes
South-eastern long-eared bat		Yes
Northern quoll		Yes
Ornamental snake		
Dunmall's snake		Yes
Brigalow scaly-foot		Yes
Yakka skink		Yes
Collared delma		Yes
Australian painted snipe		Yes
Fitzroy river turtle		
Murray cod		Yes
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat	Unlikely	
Brigalow scaly-foot	General Habitat	Unlikely	
Yakka skink	General Habitat	Unlikely	
Collared delma	General Habitat	Unlikely	
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s41

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s42

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s43

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s44

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s45

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s46

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	ATP 631P	
Koala		Yes
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		Yes
South-eastern long-eared bat		Yes
Northern quoll		Yes
Ornamental snake		
Dunmall's snake		Yes
Brigalow scaly-foot		Yes
Yakka skink		Yes
Collared delma		Yes
Australian painted snipe		Yes
Fitzroy river turtle		
Murray cod		Yes
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s47

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	Yes
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY

EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s48

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s49

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY

EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s50

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY

EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s51

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s52

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	Yes
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	ATP 631P	
Koala		Yes
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		Yes
South-eastern long-eared bat		Yes
Northern quoll		Yes
Ornamental snake		
Dunmall's snake		Yes
Brigalow scaly-foot		Yes
Yakka skink		Yes
Collared delma		Yes
Australian painted snipe		Yes
Fitzroy river turtle		
Murray cod		Yes
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s53

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s54

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s55

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s56

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s59

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY

EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	General Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s58

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	ATP 631P	
Koala		Yes
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		Yes
South-eastern long-eared bat		Yes
Northern quoll		Yes
Ornamental snake		
Dunmall's snake		Yes
Brigalow scaly-foot		Yes
Yakka skink		Yes
Collared delma		Yes
Australian painted snipe		Yes
Fitzroy river turtle		
Murray cod		Yes
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	General Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s60

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s61

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	Yes
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	General Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s62

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s63

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	ATP 631P	
Koala		Yes
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		Yes
South-eastern long-eared bat		Yes
Northern quoll		Yes
Ornamental snake		
Dunmall's snake		Yes
Brigalow scaly-foot		Yes
Yakka skink		Yes
Collared delma		Yes
Australian painted snipe		Yes
Fitzroy river turtle		
Murray cod		Yes
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s64

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	Yes
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY

EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s65

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	Yes
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY

EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s66

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	Yes
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s67

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	Yes
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s68

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s68

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s1

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	ATP 631P	
Koala		Yes
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		Yes
South-eastern long-eared bat		Yes
Northern quoll		Yes
Ornamental snake		
Dunmall's snake		Yes
Brigalow scaly-foot		Yes
Yakka skink		Yes
Collared delma		Yes
Australian painted snipe		Yes
Fitzroy river turtle		
Murray cod		Yes
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	General Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	General Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s1

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	ATP 631P	
Koala		Yes
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		Yes
South-eastern long-eared bat		Yes
Northern quoll		Yes
Ornamental snake		
Dunmall's snake		Yes
Brigalow scaly-foot		Yes
Yakka skink		Yes
Collared delma		Yes
Australian painted snipe		Yes
Fitzroy river turtle		
Murray cod		Yes
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	General Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	General Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s2

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	Yes
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s3

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s1

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	ATP 631P	
Koala		Yes
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		Yes
South-eastern long-eared bat		Yes
Northern quoll		Yes
Ornamental snake		
Dunmall's snake		Yes
Brigalow scaly-foot		Yes
Yakka skink		Yes
Collared delma		Yes
Australian painted snipe		Yes
Fitzroy river turtle		
Murray cod		Yes
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	General Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	General Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s4

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY

EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s5

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	Yes
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282-s6

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY

EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	General Habitat	Reject	Not enough suitable habitat present. See report
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282-s7

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	ATP 631P	
Koala		Yes
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		Yes
South-eastern long-eared bat		Yes
Northern quoll		Yes
Ornamental snake		
Dunmall's snake		Yes
Brigalow scaly-foot		Yes
Yakka skink		Yes
Collared delma		Yes
Australian painted snipe		Yes
Fitzroy river turtle		
Murray cod		Yes
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	General Habitat	Reject	Not enough suitable habitat present. See report
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282-s8

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	General Habitat	Reject	Not enough suitable habitat present. See report
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s8a

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	Yes
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY

EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s8b

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	Yes
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s1

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	ATP 631P	
Koala		Yes
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		Yes
South-eastern long-eared bat		Yes
Northern quoll		Yes
Ornamental snake		
Dunmall's snake		Yes
Brigalow scaly-foot		Yes
Yakka skink		Yes
Collared delma		Yes
Australian painted snipe		Yes
Fitzroy river turtle		
Murray cod		Yes
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	General Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	General Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282-s10

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY

EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	General Habitat	Reject	Not enough suitable habitat present. See report
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282-s11

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	General Habitat	Reject	Not enough suitable habitat present. See report
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282-s14

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY

EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	General Habitat	Reject	Not enough suitable habitat present. See report
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282-s12a

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	General Habitat	Reject	Not enough suitable habitat present. See report
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282-s12b

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	General Habitat	Reject	Not enough suitable habitat present. See report
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282-s12c

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	General Habitat	Reject	Not enough suitable habitat present. See report
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282-s13

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY

EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	General Habitat	Reject	Not enough suitable habitat present. See report
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s14

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	Yes
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s14a

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	Yes
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s14b

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	Yes
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282-s14c

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	General Habitat	Reject	Not enough suitable habitat present. See report
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s19

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY

EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s2

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	Yes
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	Yes
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s3

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s4

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	Yes
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	ATP 631P	
Koala		Yes
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		Yes
South-eastern long-eared bat		Yes
Northern quoll		Yes
Ornamental snake		
Dunmall's snake		Yes
Brigalow scaly-foot		Yes
Yakka skink		Yes
Collared delma		Yes
Australian painted snipe		Yes
Fitzroy river turtle		
Murray cod		Yes
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s5

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	ATP 631P	
Koala		Yes
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		Yes
South-eastern long-eared bat		Yes
Northern quoll		Yes
Ornamental snake		
Dunmall's snake		Yes
Brigalow scaly-foot		Yes
Yakka skink		Yes
Collared delma		Yes
Australian painted snipe		Yes
Fitzroy river turtle		
Murray cod		Yes
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	General Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s6

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	Yes
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	ATP 631P	
Koala		Yes
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		Yes
South-eastern long-eared bat		Yes
Northern quoll		Yes
Ornamental snake		
Dunmall's snake		Yes
Brigalow scaly-foot		Yes
Yakka skink		Yes
Collared delma		Yes
Australian painted snipe		Yes
Fitzroy river turtle		
Murray cod		Yes
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	General Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s7

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	ATP 631P	
Koala		Yes
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		Yes
South-eastern long-eared bat		Yes
Northern quoll		Yes
Ornamental snake		
Dunmall's snake		Yes
Brigalow scaly-foot		Yes
Yakka skink		Yes
Collared delma		Yes
Australian painted snipe		Yes
Fitzroy river turtle		
Murray cod		Yes
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s8

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	Yes
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat	Reject	
Brigalow scaly-foot	General Habitat	Reject	
Yakka skink	General Habitat	Reject	
Collared delma	Unlikely Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s9

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	Yes
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s13

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY

EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s11

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s12

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s13

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	ATP 631P	
Koala		Yes
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		Yes
South-eastern long-eared bat		Yes
Northern quoll		Yes
Ornamental snake		
Dunmall's snake		Yes
Brigalow scaly-foot		Yes
Yakka skink		Yes
Collared delma		Yes
Australian painted snipe		Yes
Fitzroy river turtle		
Murray cod		Yes
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s14

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	5PL281-s15

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s16

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s17

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL281-s18

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s14d

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed
	Koala
	Squatter pigeon
	Black-breasted button-quail
	Red goshawk
	Large-eared pied bat
	South-eastern long-eared bat
	Northern quoll
	Ornamental snake
	Dunmall's snake
	Brigalow scaly-foot
	Yakka skink
	Collared delma
	Australian painted snipe
	Fitzroy river turtle
	Murray cod
	Boggomoss snail

PART F	What microhabitat features present?
	Dense leaf litter (> 50%)
	Tall trees present (> 18m)
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes
	Deeply dissected sandstone rock faces, cliffs line and caves
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km
	Rivers with large deep pools and abundant rock or woody habitat features
	Rivers with large deep pools interconnected by riffles
	Loose/exfoliating bark
	Cracking clay soils
	Swamps, gilgai and other ephemeral wetlands
	Hollow-bearing trees within 1km
	Hollow logs
	Coarse woody debris (non-hollow logs and large pieces of bark)
	Thick shrub layer (>30% shrub cover)
	Myrtaceae dominated canopy
	Sink holes/tunnel erosion
	Termite mounds
	Burrow complexes

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282-s15

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	General Habitat	Reject	Not enough suitable habitat present. See report
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282-s16

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	General Habitat	Reject	Not enough suitable habitat present. See report
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282-s17

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	ATP 631P	
Koala		Yes
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		Yes
South-eastern long-eared bat		Yes
Northern quoll		Yes
Ornamental snake		
Dunmall's snake		Yes
Brigalow scaly-foot		Yes
Yakka skink		Yes
Collared delma		Yes
Australian painted snipe		Yes
Fitzroy river turtle		
Murray cod		Yes
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	General Habitat	Reject	Not enough suitable habitat present. See report
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s18

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	Yes
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY

EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282-s19

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY

EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	General Habitat	Reject	Not enough suitable habitat present. See report
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282-s20

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	General Habitat	Reject	Not enough suitable habitat present. See report
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282-s20a

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	ATP 631P	
Koala		Yes
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		Yes
South-eastern long-eared bat		Yes
Northern quoll		Yes
Ornamental snake		
Dunmall's snake		Yes
Brigalow scaly-foot		Yes
Yakka skink		Yes
Collared delma		Yes
Australian painted snipe		Yes
Fitzroy river turtle		
Murray cod		Yes
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	General Habitat	Reject	Not enough suitable habitat present. See report
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s21

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	Yes
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY

EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s21a

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed
	Koala
	Squatter pigeon
	Black-breasted button-quail
	Red goshawk
	Large-eared pied bat
	South-eastern long-eared bat
	Northern quoll
	Ornamental snake
	Dunmall's snake
	Brigalow scaly-foot
	Yakka skink
	Collared delma
	Australian painted snipe
	Fitzroy river turtle
	Murray cod
	Boggomoss snail

PART F	What microhabitat features present?
	Dense leaf litter (> 50%)
	Tall trees present (> 18m)
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes
	Deeply dissected sandstone rock faces, cliffs line and caves
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km
	Rivers with large deep pools and abundant rock or woody habitat features
	Rivers with large deep pools interconnected by riffles
	Loose/exfoliating bark
	Cracking clay soils
	Swamps, gilgai and other ephemeral wetlands
	Hollow-bearing trees within 1km
	Hollow logs
	Coarse woody debris (non-hollow logs and large pieces of bark)
	Thick shrub layer (>30% shrub cover)
	Myrtaceae dominated canopy
	Sink holes/tunnel erosion
	Termite mounds
	Burrow complexes

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s22

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	Yes
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282-s22a

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	General Habitat	Reject	Not enough suitable habitat present. See report
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s23

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	Yes
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s23a

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	Yes
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s24

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	Yes
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY

EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s25

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	Yes
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY

EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s26

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	Yes
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	ATP 631P	
Koala		Yes
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		Yes
South-eastern long-eared bat		Yes
Northern quoll		Yes
Ornamental snake		
Dunmall's snake		Yes
Brigalow scaly-foot		Yes
Yakka skink		Yes
Collared delma		Yes
Australian painted snipe		Yes
Fitzroy river turtle		
Murray cod		Yes
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s27

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s28

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	Yes
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s29

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	Yes
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY

EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282-s30

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	General Habitat	Reject	Not enough suitable habitat present. See report
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s31

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	Yes
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY

EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	General Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s31a

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	Yes
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	ATP 631P	
Koala		Yes
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		Yes
South-eastern long-eared bat		Yes
Northern quoll		Yes
Ornamental snake		
Dunmall's snake		Yes
Brigalow scaly-foot		Yes
Yakka skink		Yes
Collared delma		Yes
Australian painted snipe		Yes
Fitzroy river turtle		
Murray cod		Yes
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	General Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s32

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	Yes
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY

EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s33

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	Yes
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s37

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	Yes
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s37a

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	Yes
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY

EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	General Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282_s38

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	Yes
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY

EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	General Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	PL282-s38a

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	General Habitat	Reject	Not enough suitable habitat present. See report
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s1

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	PL 315	
Koala	Yes	
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		
South-eastern long-eared bat	Yes	
Northern quoll		
Ornamental snake		
Dunmall's snake	Yes	
Brigalow scaly-foot	Yes	
Yakka skink	Yes	
Collared delma	Yes	
Australian painted snipe	Yes	
Fitzroy river turtle		
Murray cod		
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s2

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s3

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s4

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s5

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s6

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	General Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s7

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	Yes
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	General Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s8

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s9

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s10

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed
	Koala
	Squatter pigeon
	Black-breasted button-quail
	Red goshawk
	Large-eared pied bat
	South-eastern long-eared bat
	Northern quoll
	Ornamental snake
	Dunmall's snake
	Brigalow scaly-foot
	Yakka skink
	Collared delma
	Australian painted snipe
	Fitzroy river turtle
	Murray cod
	Boggomoss snail

PART F	What microhabitat features present?
	Dense leaf litter (> 50%)
	Tall trees present (> 18m)
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes
	Deeply dissected sandstone rock faces, cliffs line and caves
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km
	Rivers with large deep pools and abundant rock or woody habitat features
	Rivers with large deep pools interconnected by riffles
	Loose/exfoliating bark
	Cracking clay soils
	Swamps, gilgai and other ephemeral wetlands
	Hollow-bearing trees within 1km
	Hollow logs
	Coarse woody debris (non-hollow logs and large pieces of bark)
	Thick shrub layer (>30% shrub cover)
	Myrtaceae dominated canopy
	Sink holes/tunnel erosion
	Termite mounds
	Burrow complexes

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s11

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s12

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s13

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s14

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed
	Koala
	Squatter pigeon
	Black-breasted button-quail
	Red goshawk
	Large-eared pied bat
	South-eastern long-eared bat
	Northern quoll
	Ornamental snake
	Dunmall's snake
	Brigalow scaly-foot
	Yakka skink
	Collared delma
	Australian painted snipe
	Fitzroy river turtle
	Murray cod
	Boggomoss snail

PART F	What microhabitat features present?
	Dense leaf litter (> 50%)
	Tall trees present (> 18m)
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes
	Deeply dissected sandstone rock faces, cliffs line and caves
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km
	Rivers with large deep pools and abundant rock or woody habitat features
	Rivers with large deep pools interconnected by riffles
	Loose/exfoliating bark
	Cracking clay soils
	Swamps, gilgai and other ephemeral wetlands
	Hollow-bearing trees within 1km
	Hollow logs
	Coarse woody debris (non-hollow logs and large pieces of bark)
	Thick shrub layer (>30% shrub cover)
	Myrtaceae dominated canopy
	Sink holes/tunnel erosion
	Termite mounds
	Burrow complexes

Data Entry Instructions:

- Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s15

PART A	Tenement
	PL 3

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 3
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s16

PART A	Tenement
	PL 3

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 3
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s17

PART A	Tenement
	PL 3

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 3
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s18

PART A	Tenement
	PL 3

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 3
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s19

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s20

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s21

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s22

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	General Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

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GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s23

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s24

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s25

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s26 - PL323

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	General Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s27

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	General Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s28

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s29

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s30

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s31

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s32

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s32

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s34

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s35 - PL323

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s36 - PL323

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s37

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	General Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s38

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s39

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s40

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s41

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s42

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s43

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed
	Koala
	Squatter pigeon
	Black-breasted button-quail
	Red goshawk
	Large-eared pied bat
	South-eastern long-eared bat
	Northern quoll
	Ornamental snake
	Dunmall's snake
	Brigalow scaly-foot
	Yakka skink
	Collared delma
	Australian painted snipe
	Fitzroy river turtle
	Murray cod
	Boggomoss snail

PART F	What microhabitat features present?
	Dense leaf litter (> 50%)
	Tall trees present (> 18m)
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes
	Deeply dissected sandstone rock faces, cliffs line and caves
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km
	Rivers with large deep pools and abundant rock or woody habitat features
	Rivers with large deep pools interconnected by riffles
	Loose/exfoliating bark
	Cracking clay soils
	Swamps, gilgai and other ephemeral wetlands
	Hollow-bearing trees within 1km
	Hollow logs
	Coarse woody debris (non-hollow logs and large pieces of bark)
	Thick shrub layer (>30% shrub cover)
	Myrtaceae dominated canopy
	Sink holes/tunnel erosion
	Termite mounds
	Burrow complexes

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	Unlikely Habitat		
Brigalow scaly-foot	Unlikely Habitat		
Yakka skink	Unlikely Habitat		
Collared delma	Unlikely Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s44

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T2-s45

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s1

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	Yes
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	Yes
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	General Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s2

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	General Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s3

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	PL 310	
Koala	Yes	
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		
South-eastern long-eared bat	Yes	
Northern quoll		
Ornamental snake		
Dunmall's snake	Yes	
Brigalow scaly-foot	Yes	
Yakka skink	Yes	
Collared delma	Yes	
Australian painted snipe	Yes	
Fitzroy river turtle		
Murray cod		
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s4

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s5

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s6

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s7

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s8

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s9

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	General Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s10

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	General Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s11

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s12

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s13

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	General Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s14

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s15

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s16

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	Unlikely Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	Unlikely Habitat	confirm	
Brigalow scaly-foot	Unlikely Habitat	confirm	
Yakka skink	Unlikely Habitat	confirm	
Collared delma	Unlikely Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s17

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	Yes
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	Unlikely Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s18

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	Yes
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	Unlikely Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s19

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	Yes
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	PL 310	
Koala	Yes	
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		
South-eastern long-eared bat	Yes	
Northern quoll		
Ornamental snake		
Dunmall's snake	Yes	
Brigalow scaly-foot	Yes	
Yakka skink	Yes	
Collared delma	Yes	
Australian painted snipe	Yes	
Fitzroy river turtle		
Murray cod		
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	Unlikely Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s20

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	Yes
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s21

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	Yes
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s22

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	Yes
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s23

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	Unlikely Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s24

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	PL 310	
Koala	Yes	
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		
South-eastern long-eared bat	Yes	
Northern quoll		
Ornamental snake		
Dunmall's snake	Yes	
Brigalow scaly-foot	Yes	
Yakka skink	Yes	
Collared delma	Yes	
Australian painted snipe	Yes	
Fitzroy river turtle		
Murray cod		
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	General Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s25

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s26

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s27

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s28

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s29

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s30

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	Unlikely Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s31

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s32

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	Unlikely Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	Reject	habitat quality too poor really disturbed and very little woody debris
Brigalow scaly-foot	General Habitat	Reject	habitat quality too poor really disturbed and very little woody debris
Yakka skink	General Habitat	Reject	habitat quality too poor really disturbed and very little woody debris
Collared delma	General Habitat	Reject	habitat quality too poor really disturbed and very little woody debris
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s33

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	PL 310	
Koala	Yes	
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		
South-eastern long-eared bat	Yes	
Northern quoll		
Ornamental snake		
Dunmall's snake	Yes	
Brigalow scaly-foot	Yes	
Yakka skink	Yes	
Collared delma	Yes	
Australian painted snipe	Yes	
Fitzroy river turtle		
Murray cod		
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s34

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed
	Koala
	Squatter pigeon
	Black-breasted button-quail
	Red goshawk
	Large-eared pied bat
	South-eastern long-eared bat
	Northern quoll
	Ornamental snake
	Dunmall's snake
	Brigalow scaly-foot
	Yakka skink
	Collared delma
	Australian painted snipe
	Fitzroy river turtle
	Murray cod
	Boggomoss snail

PART F	What microhabitat features present?
	Dense leaf litter (> 50%)
	Tall trees present (> 18m)
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes
	Deeply dissected sandstone rock faces, cliffs line and caves
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km
	Rivers with large deep pools and abundant rock or woody habitat features
	Rivers with large deep pools interconnected by riffles
	Loose/exfoliating bark
	Cracking clay soils
	Swamps, gilgai and other ephemeral wetlands
	Hollow-bearing trees within 1km
	Hollow logs
	Coarse woody debris (non-hollow logs and large pieces of bark)
	Thick shrub layer (>30% shrub cover)
	Myrtaceae dominated canopy
	Sink holes/tunnel erosion
	Termite mounds
	Burrow complexes

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s35

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s36

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	PL 310	
Koala	Yes	
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		
South-eastern long-eared bat	Yes	
Northern quoll		
Ornamental snake		
Dunmall's snake	Yes	
Brigalow scaly-foot	Yes	
Yakka skink	Yes	
Collared delma	Yes	
Australian painted snipe	Yes	
Fitzroy river turtle		
Murray cod		
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	Unlikely Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s37

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s38

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s39

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s40

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	Yes
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	General Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s41

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s42

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	Yes
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s43

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s44

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s45

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s46

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	Unlikely Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s47

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	Unlikely Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	R3T3-s48

PART A	Tenement
	PL 310

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 310
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat	confirm	<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat	confirm	
Black-breasted button-quail	Unlikely Habitat	confirm	
Red goshawk	Unlikely Habitat	confirm	
Large-eared pied bat	Unlikely Habitat	confirm	
South-eastern long-eared bat	General Habitat	confirm	
Northern quoll	Unlikely Habitat	confirm	
Ornamental snake	Unlikely Habitat	confirm	
Dunmall's snake	General Habitat	confirm	
Brigalow scaly-foot	General Habitat	confirm	
Yakka skink	General Habitat	confirm	
Collared delma	General Habitat	confirm	
Australian painted snipe	Unlikely Habitat	confirm	
Fitzroy river turtle	Unlikely Habitat	confirm	
Murray cod	Unlikely Habitat	confirm	
Boggomoss snail	Unlikely Habitat	confirm	

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-01

PART A	Tenement
	PL 3

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 3
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-02

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-03

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Derived Grasslands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	Unlikely Habitat		
Brigalow scaly-foot	Unlikely Habitat		
Yakka skink	Unlikely Habitat		
Collared delma	Unlikely Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-04

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Derived Grasslands

PART E	Have the following species been observed
	Koala
	Squatter pigeon
	Black-breasted button-quail
	Red goshawk
	Large-eared pied bat
	South-eastern long-eared bat
	Northern quoll
	Ornamental snake
	Dunmall's snake
	Brigalow scaly-foot
	Yakka skink
	Collared delma
	Australian painted snipe
	Fitzroy river turtle
	Murray cod
	Boggomoss snail

PART F	What microhabitat features present?
	Dense leaf litter (> 50%)
	Tall trees present (> 18m)
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes
	Deeply dissected sandstone rock faces, cliffs line and caves
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km
	Rivers with large deep pools and abundant rock or woody habitat features
	Rivers with large deep pools interconnected by riffles
	Loose/exfoliating bark
	Cracking clay soils
	Swamps, gilgai and other ephemeral wetlands
	Hollow-bearing trees within 1km
	Hollow logs
	Coarse woody debris (non-hollow logs and large pieces of bark)
	Thick shrub layer (>30% shrub cover)
	Myrtaceae dominated canopy
	Sink holes/tunnel erosion
	Termite mounds
	Burrow complexes

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	Unlikely Habitat		
Brigalow scaly-foot	Unlikely Habitat		
Yakka skink	General Habitat		
Collared delma	Unlikely Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-05

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	PL 315	
Koala	Yes	
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		
South-eastern long-eared bat	Yes	
Northern quoll		
Ornamental snake		
Dunmall's snake	Yes	
Brigalow scaly-foot	Yes	
Yakka skink	Yes	
Collared delma	Yes	
Australian painted snipe	Yes	
Fitzroy river turtle		
Murray cod		
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-06

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	Yes
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-07

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	Yes
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	Yes
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	General Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM03_8

PART A	Tenement
	ATP 631P

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	Yes
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	ATP 631P
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	Yes
South-eastern long-eared bat	Yes
Northern quoll	Yes
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	Yes
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-09

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	Yes
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-10

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	Yes
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-11

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	Yes
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-12

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	Yes
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-14

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-14

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Derived Grasslands

PART E	Have the following species been observed
	Koala
	Squatter pigeon
	Black-breasted button-quail
	Red goshawk
	Large-eared pied bat
	South-eastern long-eared bat
	Northern quoll
	Ornamental snake
	Dunmall's snake
	Brigalow scaly-foot
	Yakka skink
	Collared delma
	Australian painted snipe
	Fitzroy river turtle
	Murray cod
	Boggomoss snail

PART F	What microhabitat features present?
	Dense leaf litter (> 50%)
	Tall trees present (> 18m)
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes
	Deeply dissected sandstone rock faces, cliffs line and caves
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km
	Rivers with large deep pools and abundant rock or woody habitat features
	Rivers with large deep pools interconnected by riffles
	Loose/exfoliating bark
	Cracking clay soils
	Swamps, gilgai and other ephemeral wetlands
	Hollow-bearing trees within 1km
	Hollow logs
	Coarse woody debris (non-hollow logs and large pieces of bark)
	Thick shrub layer (>30% shrub cover)
	Myrtaceae dominated canopy
	Sink holes/tunnel erosion
	Termite mounds
	Burrow complexes

Data Entry Instructions:

- Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	Unlikely Habitat		
Brigalow scaly-foot	Unlikely Habitat		
Yakka skink	Unlikely Habitat		
Collared delma	Unlikely Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-15

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	PL 315	
Koala	Yes	
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		
South-eastern long-eared bat	Yes	
Northern quoll		
Ornamental snake		
Dunmall's snake	Yes	
Brigalow scaly-foot	Yes	
Yakka skink	Yes	
Collared delma	Yes	
Australian painted snipe	Yes	
Fitzroy river turtle		
Murray cod		
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-16

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-11

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed
	Koala
	Squatter pigeon
	Black-breasted button-quail
	Red goshawk
	Large-eared pied bat
	South-eastern long-eared bat
	Northern quoll
	Ornamental snake
	Dunmall's snake
	Brigalow scaly-foot
	Yakka skink
	Collared delma
	Australian painted snipe
	Fitzroy river turtle
	Murray cod
	Boggomoss snail

PART F	What microhabitat features present?
	Dense leaf litter (> 50%)
	Tall trees present (> 18m)
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes
	Deeply dissected sandstone rock faces, cliffs line and caves
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km
	Rivers with large deep pools and abundant rock or woody habitat features
	Rivers with large deep pools interconnected by riffles
	Loose/exfoliating bark
	Cracking clay soils
	Swamps, gilgai and other ephemeral wetlands
	Hollow-bearing trees within 1km
	Hollow logs
	Coarse woody debris (non-hollow logs and large pieces of bark)
	Thick shrub layer (>30% shrub cover)
	Myrtaceae dominated canopy
	Sink holes/tunnel erosion
	Termite mounds
	Burrow complexes

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-18

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-19

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-20

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.



Infrastructure ID	Enter here
Site ID	RM3-21

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	PL 314	
Koala	Yes	
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		
South-eastern long-eared bat	Yes	
Northern quoll		
Ornamental snake		
Dunmall's snake	Yes	
Brigalow scaly-foot	Yes	
Yakka skink	Yes	
Collared delma	Yes	
Australian painted snipe	Yes	
Fitzroy river turtle		
Murray cod		
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-22

PART A	Tenement
	PL 309

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	SEVT Vine Forest Vegetation

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	Yes
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	Yes
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 309
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	Unlikely Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	Unlikely Habitat		
Collared delma	Unlikely Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-23

PART A	Tenement
	PL 309

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 309
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-24

PART A	Tenement
	PL 309

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	SEVT Vine Forest Vegetation

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	Yes
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 309
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	Unlikely Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	Unlikely Habitat		
Collared delma	Unlikely Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-25

PART A	Tenement
	PL 309

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	SEVT Vine Forest Vegetation

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	Yes
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	PL 309	
Koala	Yes	
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		
South-eastern long-eared bat	Yes	
Northern quoll		
Ornamental snake		
Dunmall's snake	Yes	
Brigalow scaly-foot	Yes	
Yakka skink	Yes	
Collared delma	Yes	
Australian painted snipe	Yes	
Fitzroy river turtle		
Murray cod		
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	Unlikely Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	Unlikely Habitat		
Collared delma	Unlikely Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-26

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-27

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-28

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed
	Koala
	Squatter pigeon
	Black-breasted button-quail
	Red goshawk
	Large-eared pied bat
	South-eastern long-eared bat
	Northern quoll
	Ornamental snake
	Dunmall's snake
	Brigalow scaly-foot
	Yakka skink
	Collared delma
	Australian painted snipe
	Fitzroy river turtle
	Murray cod
	Boggomoss snail

PART F	What microhabitat features present?
	Dense leaf litter (> 50%)
	Tall trees present (> 18m)
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes
	Deeply dissected sandstone rock faces, cliffs line and caves
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km
	Rivers with large deep pools and abundant rock or woody habitat features
	Rivers with large deep pools interconnected by riffles
	Loose/exfoliating bark
	Cracking clay soils
	Swamps, gilgai and other ephemeral wetlands
	Hollow-bearing trees within 1km
	Hollow logs
	Coarse woody debris (non-hollow logs and large pieces of bark)
	Thick shrub layer (>30% shrub cover)
	Myrtaceae dominated canopy
	Sink holes/tunnel erosion
	Termite mounds
	Burrow complexes

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-29

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	PL 314	
Koala	Yes	
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		
South-eastern long-eared bat	Yes	
Northern quoll		
Ornamental snake		
Dunmall's snake	Yes	
Brigalow scaly-foot	Yes	
Yakka skink	Yes	
Collared delma	Yes	
Australian painted snipe	Yes	
Fitzroy river turtle		
Murray cod		
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-30

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-31

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-32

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-33

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-34

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-33

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-36

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.



Infrastructure ID	Enter here
Site ID	RM3-37

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-38

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-39

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest associated with riparian zones and floodplains

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	Yes
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	Yes
	Loose/exfoliating bark	Yes
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	General Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-40

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	Yes
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-41

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

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GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-42

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	Yes
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	Yes
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-43

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-44

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-45

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-46

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	Yes
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-47

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	<1km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-48

PART A	Tenement
	PL 13

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 13
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-49

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-50

PART A	Tenement
	PL 13

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 13
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-51

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-52

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
- PART A Select the relevant petroleum tenement
 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
 - PART D Select the prevalent vegetation
 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-53

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	Yes
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	PL 314	
Koala	Yes	
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		
South-eastern long-eared bat	Yes	
Northern quoll		
Ornamental snake		
Dunmall's snake	Yes	
Brigalow scaly-foot	Yes	
Yakka skink	Yes	
Collared delma	Yes	
Australian painted snipe	Yes	
Fitzroy river turtle		
Murray cod		
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-54

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	Yes

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	SEVT Vine Forest Vegetation

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	Yes
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	Yes
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY		
EVNT Fauna potentially located in Tenement	PL 314	
Koala	Yes	
Squatter pigeon		
Black-breasted button-quail		
Red goshawk		
Large-eared pied bat		
South-eastern long-eared bat	Yes	
Northern quoll		
Ornamental snake		
Dunmall's snake	Yes	
Brigalow scaly-foot	Yes	
Yakka skink	Yes	
Collared delma	Yes	
Australian painted snipe	Yes	
Fitzroy river turtle		
Murray cod		
Boggomoss snail		

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	Unlikely Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	Unlikely Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	Unlikely Habitat		
Collared delma	Unlikely Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-55

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	Yes
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	Yes
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-56

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-57

PART A	Tenement
	PL 314

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Brigalow vegetation communities

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 314
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	Unlikely Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-58

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
	Tall trees present (> 18m)	
	Rocky habitats, including loose boulder-piles, rocky outcrops, steep rocky slopes	
	Deeply dissected sandstone rock faces, cliffs line and caves	
	Deeply dissected sandstone rock faces, cliffs line and caves within 5km	
	Rivers with large deep pools and abundant rock or woody habitat features	
	Rivers with large deep pools interconnected by riffles	
	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	Yes
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
 2. PART B Enter the BPA Mapping Results
 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
Black-breasted button-quail	Unlikely Habitat		
Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
South-eastern long-eared bat	General Habitat		
Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-59

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>1km and <3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
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	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	Yes
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:
 Data entry into the green cells is mandatory
 Data entry into the blue cells is optional
 1. PART A Select the relevant petroleum tenement
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 3. PART C Select the distance to water
 4. PART D Select the prevalent vegetation
 5. PART E Enter any observed EVNT Fauna
 6. PART F Enter the relevant microhabitat features
 7. Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
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Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.

Santos

GLNG Project

Infrastructure ID	Enter here
Site ID	RM3-60

PART A	Tenement
	PL 315

PART B	BPA Mapping - "State or Regional Corridor", "Core Habitat" or "Habitat for EVR Taxa"
	No

PART C	How close are you to a significant water source?
	>3km of a water source

PART D	What is the vegetation type?
	Woodlands/Open forest on non-alluvial plains and uplands

PART E	Have the following species been observed	
	Koala	
	Squatter pigeon	
	Black-breasted button-quail	
	Red goshawk	
	Large-eared pied bat	
	South-eastern long-eared bat	
	Northern quoll	
	Ornamental snake	
	Dunmall's snake	
	Brigalow scaly-foot	
	Yakka skink	
	Collared delma	
	Australian painted snipe	
	Fitzroy river turtle	
	Murray cod	
	Boggomoss snail	

PART F	What microhabitat features present?	
	Dense leaf litter (> 50%)	
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	Loose/exfoliating bark	
	Cracking clay soils	
	Swamps, gilgai and other ephemeral wetlands	
	Hollow-bearing trees within 1km	
	Hollow logs	Yes
	Coarse woody debris (non-hollow logs and large pieces of bark)	Yes
	Thick shrub layer (>30% shrub cover)	
	Myrtaceae dominated canopy	Yes
	Sink holes/tunnel erosion	
	Termite mounds	
	Burrow complexes	

Data Entry Instructions:

- Data entry into the green cells is mandatory
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 - PART B Enter the BPA Mapping Results
 - PART C Select the distance to water
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 - PART E Enter any observed EVNT Fauna
 - PART F Enter the relevant microhabitat features
 - Confirm Results - Click [HERE](#)

INFORMATION ONLY	
EVNT Fauna potentially located in Tenement	PL 315
Koala	Yes
Squatter pigeon	
Black-breasted button-quail	
Red goshawk	
Large-eared pied bat	
South-eastern long-eared bat	Yes
Northern quoll	
Ornamental snake	
Dunmall's snake	Yes
Brigalow scaly-foot	Yes
Yakka skink	Yes
Collared delma	Yes
Australian painted snipe	Yes
Fitzroy river turtle	
Murray cod	
Boggomoss snail	

Species	HMAT Output	Confirm or Reject HMAT Result	Justification
Koala	General Habitat		<i>If the HMAT results are rejected insert justification here.....</i>
Squatter pigeon	Unlikely Habitat		
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Red goshawk	Unlikely Habitat		
Large-eared pied bat	Unlikely Habitat		
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Northern quoll	Unlikely Habitat		
Ornamental snake	Unlikely Habitat		
Dunmall's snake	General Habitat		
Brigalow scaly-foot	General Habitat		
Yakka skink	General Habitat		
Collared delma	General Habitat		
Australian painted snipe	Unlikely Habitat		
Fitzroy river turtle	Unlikely Habitat		
Murray cod	Unlikely Habitat		
Boggomoss snail	Unlikely Habitat		

Note: A decision from a suitably qualified person is required for all species listed on the HMAT. The Ecologist must either agree or disagree with the output of the HMAT. Where the ecologist disagrees with the HMAT results, a detailed justification for the decision is required in the free text "Justification" box above. This step is mandatory. The ecologists' rejection of a HMAT decision must not be accepted without the detailed justification.



APPENDIX B

Fauna species inventory

Class	Common Name	Scientific Name	NC Act	EPBC Act
Amphibian	Barking Frog	<i>Limnodynastes fletcheri</i>	LC	NL
Amphibian	Broad Palmed Rocketfrog	<i>Litoria latopalmata</i>	LC	NL
Amphibian	Brown Treefrog	<i>Litoria rubella</i>	LC	NL
Amphibian	Cane Toad	<i>Rhinella marina</i>	LC	NL
Amphibian	Common Green Treefrog	<i>Litoria caerulea</i>	LC	NL
Amphibian	Salmon Striped Frog	<i>Limnodynastes salmini</i>	LC	NL
Amphibian	Scarlet Sided Pobblebonk	<i>Limnodynastes terraereginae</i>	LC	NL
Bird	Apostlebird	<i>Struthidea cinerea</i>	LC	NL
Bird	Australian Bustard	<i>Ardeotis australis</i>	LC	NL
Bird	Australian Magpie	<i>Cracticus tibicen</i>	LC	NL
Bird	Australian Owlet-nightjar	<i>Aegotheles cristatus</i>	LC	NL
Bird	Australian Raven	<i>Corvus coronoides</i>	LC	NL
Bird	Banded Lapwing	<i>Vanellus tricolor</i>	LC	NL
Bird	Black Kite	<i>Milvus migrans</i>	LC	NL
Bird	Black-shouldered Kite	<i>Elanus axillaris</i>	LC	NL
Bird	Blue-faced Honeyeater	<i>Entomyzon cyanotis</i>	LC	NL
Bird	Brolga	<i>Grus rubicunda</i>	LC	NL
Bird	Brown Treecreeper	<i>Climacteris picumnus</i>	LC	NL
Bird	Cockatiel	<i>Nymphicus hollandicus</i>	LC	NL
Bird	Double-barred Finch	<i>Taeniopygia bichenovii</i>	LC	NL
Bird	Eastern Great Egret	<i>Ardea modesta</i>	LC	M
Bird	Emu	<i>Dromaius novaehollandiae</i>	LC	NL
Bird	Galah	<i>Eolophus roseicapillus</i>	LC	NL
Bird	Grey Butcherbird	<i>Cracticus torquatus</i>	LC	NL
Bird	Grey-crowned Babbler	<i>Pomatostomus temporalis</i>	LC	NL
Bird	Jacky Winter	<i>Microeca fascinans</i>	LC	NL
Bird	Laughing Kookaburra	<i>Dacelo novaeguineae</i>	LC	NL
Bird	Little Corella	<i>Cacatua sanguinea</i>	LC	NL
Bird	Magpie-lark	<i>Grallina cyanoleuca</i>	LC	NL
Bird	Masked Lapwing	<i>Vanellus miles</i>	LC	NL
Bird	Nankeen Kestrel	<i>Falco cenchroides</i>	LC	NL
Bird	Noisy Miner	<i>Manorina melanocephala</i>	LC	NL
Bird	Olive-backed Oriole	<i>Oriolus sagittatus</i>	LC	NL
Bird	Pale-headed Rosella	<i>Platycercus adscitus</i>	LC	NL
Bird	Pied Butcherbird	<i>Cracticus nigrogularis</i>	LC	NL
Bird	Pied Currawong	<i>Strepera graculina</i>	LC	NL

Class	Common Name	Scientific Name	NC Act	EPBC Act
Bird	Rainbow Bee-eater	<i>Merops ornatus</i>	LC	M
Bird	Red-capped Robin	<i>Petroica goodenovii</i>	LC	NL
Bird	Red-rumped Parrot	<i>Psephotus haematonotus</i>	LC	NL
Bird	Singing Honeyeater	<i>Lichenostomus virescens</i>	LC	NL
Bird	Spiny-cheeked Honeyeater	<i>Acanthagenys rufogularis</i>	LC	NL
Bird	Striated Pardalote	<i>Pardalotus striatus</i>	LC	NL
Bird	Sulphur-crested Cockatoo	<i>Cacatua galerita</i>	LC	NL
Bird	Torresian Crow	<i>Corvus orru</i>	LC	NL
Bird	Wedge-tailed Eagle	<i>Aquila audax</i>	LC	NL
Bird	Willie Wagtail	<i>Rhipidura leucophrys</i>	LC	NL
Bird	Yellow Thornbill	<i>Acanthiza nana</i>	LC	NL
Bird	Yellow-rumped Thornbill	<i>Acanthiza chrysorrhoa</i>	LC	NL
Mammal	Brown hare	<i>Lepus europaeus*</i>	LC	NL
Mammal	Dog	<i>Canis familiaris*</i>	LC	NL
Mammal	Eastern grey kangaroo	<i>Macropus giganteus</i>	LC	NL
Mammal	Short-beaked echidna	<i>Tachyglossus aculeatus</i>	SLC	NL
Mammal	Feral pig	<i>Sus scrofa*</i>	LC	NL
Mammal	Goat	<i>Capra hircus*</i>	LC	NL
Mammal	Koala	<i>Phascolarcto cinereus</i>	V (SLC)	V
Mammal	Rabbit	<i>Oryctolagus cuniculus*</i>	LC	NL
Mammal	Red necked wallaby	<i>Macropus rufogriseus</i>	LC	NL
Mammal	Rufous Bettong	<i>Aepyprymnus rufescens</i>	LC	NL
Mammal	Short-beaked Echidna	<i>Tachyglossus aculeatus</i>	LC	NL
Mammal	Stripe-faced Dunnart	<i>Sminthopsis macroura</i>	LC	NL
Reptile	Bynoe's Gecko	<i>Heteronotia binoei</i>	LC	NL
Reptile	Carpet Python	<i>Morelia spilota</i>	LC	NL
Reptile	Dubious Dtella	<i>Gehyra dubia</i>	LC	NL
Reptile	Eastern Bearded Dragon	<i>Pogona barbata</i>	LC	NL
Reptile	Eastern Brown Snake	<i>Pseudonaja textilis</i>	LC	NL
Reptile	Elegant Snake-eyed Skink	<i>Cryptoblepharus pulcher</i>	LC	NL
Reptile	Ingram's Striped Skink	<i>Ctenotus ingrami</i>	LC	NL
Reptile	Rainbow Skink	<i>Carlia pectoralis</i>	LC	NL
Reptile	Shingleback	<i>Tiliqua rugosa</i>	LC	NL
Reptile	Spotted Monitor	<i>Varanus tristis</i>	LC	NL
Reptile	Yellow-spotted Monitor	<i>Varanus panoptes</i>	LC	NL