



Firebird ecoSultants Pty Ltd
ABN-16 105 985 993

Hunter Land Pty Ltd
1 Hartley Drive,
Thornton NSW 2322

ATTENTION: TANYA GURIEFF

RE: PRELIMINARY BDAR FOR A PROPOSED INDUSTRIAL (Pet Food) DEVELOPMENT AT 91 GARDINER STREET, RUTHERFORD

Please find below a summary of the biodiversity constraints, potential species survey schedules and potential offset credit costs. Relevant figures are also attached.

Biodiversity Constraint Considerations:

- No threatened flora species were recorded during the field assessment.
- Grey-headed flying fox were observed foraging in the canopy trees, within the vegetation to be retained.
- The site investigation identified the following Plant Community Types (PCTs) within the study area (Figure 1):
 - 1600 Spotted Gum – Narrow leaved Ironbark -Red Ironbark Shrub – grass open forest of the Central and Lower Hunter
 - Associated with the Threatened Ecological Community (TEC)
 - Exotic Vegetation
 - Derived Grassland

Our field assessment indicates that 0.67 hectares of PCT 1600 and 1.4ha of derived grassland will be required to be removed, with the retention of 1941m² of PCT 1600 within the lot. Refer to Figure 1-1 for Vegetation Map. As this exceeds the BAM threshold trigger, a Biodiversity Development Assessment Report (BDAR) is being prepared as part of the proposed Industrial subdivision that includes the development of this site.

The biodiversity assessment undertaken within the study area to date have identified the biodiversity credits requirement listed in Table 1 for the removal of vegetation within the site and Table 2 lists the Candidate species that have been surveyed and Candidate species that need to be surveyed later in the year. The Biodiversity Offset Payment Calculator (BOPC) estimates the cost of these credits, for those credits where pricing is made available. Refer to Attachment 1 for BAM C Reports. It is important to note that this would be the cost if you decide to pay directly to the Biodiversity Trust Fund (BTF) and cheaper prices might be available in the open market.

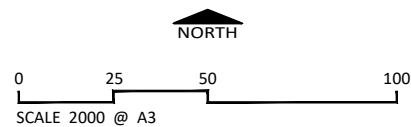
Legend

- Subject Site
- PCT 1600
- Derived Grassland



FIGURE 3 - 1: VEGETATION MAP

CLIENT Client
 SITE DETAILS Lot 206 Gardiner Street Rutherford
 DATE 22 March 2022



Firebird ecoSultants Pty Ltd
 ABN - 16 105 985 993
 Level 1, 146 Hunter Street, Newcastle NSW 2300
 P O Box 354 Newcastle NSW 2300



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Table 1: Direct Impacts on Native Vegetation

PCT	BC Act Name / Listing Status	EPBC Act Name / Listing Status	Vegetation Zone (VZ) Name	Direct Impact	VIS	Credits Required
1600 Spotted Gum – Narrow leaved Ironbark - Red Ironbark Shrub – grass open forest of the Central and Lower Hunter	Lower Hunter Spotted Gum Ironbark Forest in the Sydney Basin and NSW North Coast Bioregions	Listed	Moderate	0.67	31.8	11
Derived Grassland of PCT 1600	0	0	Poor	1-4	14.9	0

- Undertake the seasonal targeted surveys listed in Table 2. This option would delay the BDAR completion until September / October 2022.

Table 2: Presence or Absence of Candidate Species

Species	Presence or Absence of Candidate Species -
<i>Acacia bynoeana</i> Bynoe's Wattle	No (Surveyed)
<i>Burhinus</i> Bush Stone-curlew	<i>grallarius</i> No (surveyed)
<i>Callistemon linearifolius</i> Netted Bottle Brush	No (Surveyed)
<i>Callocephalon fimbriatum</i> Gang-gang Cockatoo (Breeding)	No (Surveyed)
<i>Calyptrorhynchus</i> Glossy (Breeding)	<i>lathamii</i> Black-Cockatoo No (Surveyed)
<i>Cercartetus</i> Eastern Pygmy-possum	<i>nanus</i> To be surveyed
<i>Cryptostylis hunteriana</i> Leafless Tongue Orchid	No (Surveyed)



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Species	Presence or Absence of Candidate Species -
<i>Cynanchum elegans</i> White-Flowered Wax Plant	No (Surveyed)
<i>Delmar impar</i> Striped Legless Lizard	No (Surveyed)
<i>Diuris tricolor</i> Pine Donkey Orchid	To be surveyed
<i>Eucalyptus castrensis</i> Singleton Mallee	No (Surveyed)
<i>Eucalyptus Glaucina</i> Salty Red Gum	No (Surveyed)
<i>Eucalyptus parramattensis subsp. Decadens</i> Eucalyptus parramattensis subsp. Decadens	No (Surveyed)
<i>Eucalyptus pumila</i> Pokolbin Mallee	No (Surveyed)
<i>Grevillea parviflora subsp.</i> Small-flower grevillea	No (Surveyed)
<i>Haliaeetus leucogaster</i> White-bellied Sea Eagle (Breeding)	No (Surveyed)
<i>Hieraaetus morphnoides</i> Little Eagle (Breeding)	To be surveyed
<i>Hoplocephalus bitorquatus</i> Pale-headed Snake	No (Surveyed)
<i>Litoria aurea</i> Green and Golden Bell Frog	No (Surveyed)
<i>Litoria brevipalmata</i> Green-thighed Frog	No (Surveyed)
<i>Lophoictinia isura</i> Square-tailed Kite (Breeding)	No (Surveyed)
<i>Monotaxis macrophylla</i> Large-leafed Monotaxis	No (Surveyed)
<i>Myotis macropus</i> Southern Myotis	No (surveyed)
<i>Ninox connivens</i> Barking Owl (Breeding)	To be surveyed



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Species	Presence or Absence of Candidate Species -
<i>Ninox strenua</i> Powerful Owl (Breeding)	To be surveyed
<i>Ozothamnus tessellatus</i> Ozothamnus tessellatus	To be surveyed
<i>Petauroides Volans</i> Greater Glider	No (Surveyed)
<i>Phascogale tapoatafa</i> Brush-tailed Phascogale	No (Surveyed)
<i>Phascolarctos cinereus</i> Koala (Breeding)	No (surveyed)
<i>Planigale maculata</i> Common Planigale	To be surveyed
<i>Pomaderris queenslandica</i> Scant Pomaderris	No (surveyed)
<i>Prostanthera cineolifera</i> Singleton Mint Bush	To be surveyed
<i>Pteropus poliocephalus</i> Grey-headed Flying-fox (Breeding)	No
<i>Pterostylis chaetophora</i> Pterostylis chaetophora	No
<i>Rutidosis heterogams</i> Heath Wrinklewort	No (Surveyed)
<i>Thesium austral</i> Austral Toadflax	No (Surveyed)
<i>Tyto novaehollandiae</i> Masked Owl (Breeding)	To be surveyed



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If you need clarification on this matter please do not hesitate to contact the writer.

Firebird EcoSultants Pty Ltd



Sarah Jones

B.Env.Sc., G.DIP.DBPA (Design for Bushfire Prone Areas)
*BAAS18020 Accredited Assessor, as required by the Biodiversity Conservation
Regulation 2017 and accredited to apply the BAM*
Ecologist / Bushfire Planner



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Attachment 1 – BAM C – Reports



BAM Biodiversity Credit Report (Like for like)

Proposal Details

Assessment Id	Proposal Name	BAM data last updated *
00032062/BAAS18020/22/00032063	Pet food	24/11/2021
Assessor Name	Assessor Number	BAM Data version *
Sarah Elizabeth Jones	BAAS18020	50
Proponent Names	Report Created	BAM Case Status
	30/03/2022	Open
Assessment Revision	Assessment Type	Date Finalised
0	Part 4 Developments (General)	To be finalised
BOS entry trigger	* Disclaimer: BAM data last updated may indicate either complete or partial update of the BAM calculator database. BAM calculator database may not be completely aligned with Bionet.	
BOS Threshold: Area clearing threshold		

Potential Serious and Irreversible Impacts

Name of threatened ecological community	Listing status	Name of Plant Community Type/ID
Nil		
Species		
Nil		

Additional Information for Approval

Assessment Id
00032062/BAAS18020/22/00032063

Proposal Name
Pet food

BAM Biodiversity Credit Report (Like for like)

PCT Outside Ibra Added

None added

PCTs With Customized Benchmarks

PCT

No Changes

Predicted Threatened Species Not On Site

Name

Grantiella picta / Painted Honeyeater

Ecosystem Credit Summary (Number and class of biodiversity credits to be retired)

Name of Plant Community Type/ID	Name of threatened ecological community	Area of impact	HBT Cr	No HBT Cr	Total credits to be retired
1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter	Central Hunter Ironbark—Spotted Gum—Grey Box Forest in the New South Wales North Coast and Sydney Basin Bioregions	1.4	0	0	0
1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter	Not a TEC	0.7	11	0	11

BAM Biodiversity Credit Report (Like for like)

1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter	Like-for-like credit retirement options					
	Name of offset trading group	Trading group	Zone	HBT	Credits	IBRA region
	Central Hunter Ironbark—Spotted Gum—Grey Box Forest in the New South Wales North Coast and Sydney Basin Bioregions This includes PCT's: 1601, 1604	-	1601_Poor	No	0	Hunter, Ellerston, Karuah Manning, Kerrabee, Liverpool Range, Peel, Tomalla, Upper Hunter, Wyong and Yengo. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter	Like-for-like credit retirement options					
	Class	Trading group	Zone	HBT	Credits	IBRA region
	Hunter-Macleay Dry Sclerophyll Forests This includes PCT's: 1589, 1601	Hunter-Macleay Dry Sclerophyll Forests >=70% and <90%	1601_Moderate	Yes	11	Hunter, Ellerston, Karuah Manning, Kerrabee, Liverpool Range, Peel, Tomalla, Upper Hunter, Wyong and Yengo. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.

BAM Biodiversity Credit Report (Like for like)

1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter

Species Credit Summary

Species	Vegetation Zone/s	Area / Count	Credits
Diuris tricolor / Pine Donkey Orchid	1601_Moderate	0.7	8.00
Hieraaetus morphnoides / Little Eagle	1601_Poor, 1601_Moderate	2.1	16.00
Lophoictinia isura / Square-tailed Kite	1601_Poor, 1601_Moderate	2.1	16.00
Ninox connivens / Barking Owl	1601_Moderate	0.7	11.00
Ninox strenua / Powerful Owl	1601_Moderate	0.7	11.00
Ozothamnus tessellatus / Ozothamnus tessellatus	1601_Moderate	0.7	8.00
Planigale maculata / Common Planigale	1601_Moderate	0.7	11.00
Prostanthera cineolifera / Singleton Mint Bush	1601_Moderate	0.7	11.00
Pterostylis chaetophora / Pterostylis chaetophora	1601_Moderate	0.7	11.00
Tyto novaehollandiae / Masked Owl	1601_Poor	1.4	10.00

Credit Retirement Options

Like-for-like credit retirement options

Species	Spp	IBRA subregion
Diuris tricolor / Pine Donkey Orchid	Diuris tricolor / Pine Donkey Orchid	Any in NSW

BAM Biodiversity Credit Report (Like for like)

Hieraaetus morphnoides / Little Eagle	Spp	IBRA subregion
	Hieraaetus morphnoides / Little Eagle	Any in NSW
Lophoictinia isura / Square-tailed Kite	Spp	IBRA subregion
	Lophoictinia isura / Square-tailed Kite	Any in NSW
Ninox connivens / Barking Owl	Spp	IBRA subregion
	Ninox connivens / Barking Owl	Any in NSW
Ninox strenua / Powerful Owl	Spp	IBRA subregion
	Ninox strenua / Powerful Owl	Any in NSW
Ozothamnus tessellatus / Ozothamnus tessellatus	Spp	IBRA subregion
	Ozothamnus tessellatus / Ozothamnus tessellatus	Any in NSW
Planigale maculata / Common Planigale	Spp	IBRA subregion
	Planigale maculata / Common Planigale	Any in NSW
Prostanthera cineolifera / Singleton Mint Bush	Spp	IBRA subregion

BAM Biodiversity Credit Report (Like for like)

	Prostanthera cineolifera / Singleton Mint Bush	Any in NSW
Pterostylis chaetophora / Pterostylis chaetophora	Spp	IBRA subregion
	Pterostylis chaetophora / Pterostylis chaetophora	Any in NSW
Tyto novaehollandiae / Masked Owl	Spp	IBRA subregion
	Tyto novaehollandiae / Masked Owl	Any in NSW

Proposal Details

Assessment Id 00032062/BAAS18020/22/00032063	Proposal Name Pet food	BAM data last updated * 24/11/2021
Assessor Name Sarah Elizabeth Jones	Report Created 30/03/2022	BAM Data version * 50
Assessor Number BAAS18020	Assessment Type Part 4 Developments (General)	BAM Case Status Open
Assessment Revision 0	Date Finalised To be finalised	BOS entry trigger BOS Threshold: Area clearing threshold

* Disclaimer: BAM data last updated may indicate either complete or partial update of the BAM calculator database. BAM calculator database may not be completely aligned with Bionet.

List of Species Requiring Survey

Name	Presence	Survey Months
<i>Acacia bynoeana</i> Bynoe's Wattle	No (surveyed)	<input checked="" type="checkbox"/> Jan <input type="checkbox"/> Feb <input type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input type="checkbox"/> Dec <input type="checkbox"/> Survey month outside the specified months?
<i>Burhinus grallarius</i> Bush Stone-curlew	No (surveyed)	<input checked="" type="checkbox"/> Jan <input type="checkbox"/> Feb <input checked="" type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input type="checkbox"/> Dec <input type="checkbox"/> Survey month outside the specified months?
<i>Callistemon linearifolius</i> Netted Bottle Brush	No (surveyed)	<input checked="" type="checkbox"/> Jan <input type="checkbox"/> Feb <input type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input type="checkbox"/> Dec <input type="checkbox"/> Survey month outside the specified months?

BAM Candidate Species Report

<p><i>Callocephalon fimbriatum</i> Gang-gang Cockatoo</p>	<p>No (surveyed)</p>	<p> <input checked="" type="checkbox"/> Jan <input type="checkbox"/> Feb <input type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input checked="" type="checkbox"/> Oct <input checked="" type="checkbox"/> Nov <input checked="" type="checkbox"/> Dec </p> <p><input type="checkbox"/> Survey month outside the specified months?</p>
<p><i>Calyptorhynchus lathami</i> Glossy Black-Cockatoo</p>	<p>No (surveyed)</p>	<p> <input type="checkbox"/> Jan <input type="checkbox"/> Feb <input checked="" type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input type="checkbox"/> Dec </p> <p><input type="checkbox"/> Survey month outside the specified months?</p>
<p><i>Cercartetus nanus</i> Eastern Pygmy-possum</p>	<p>No (surveyed)</p>	<p> <input type="checkbox"/> Jan <input type="checkbox"/> Feb <input type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input checked="" type="checkbox"/> Dec </p> <p><input type="checkbox"/> Survey month outside the specified months?</p>
<p><i>Cryptostylis hunteriana</i> Leafless Tongue Orchid</p>	<p>No (surveyed)</p>	<p> <input checked="" type="checkbox"/> Jan <input type="checkbox"/> Feb <input type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input checked="" type="checkbox"/> Dec </p> <p><input type="checkbox"/> Survey month outside the specified months?</p>
<p><i>Cynanchum elegans</i> White-flowered Wax Plant</p>	<p>No (surveyed)</p>	<p> <input checked="" type="checkbox"/> Jan <input type="checkbox"/> Feb <input type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input type="checkbox"/> Dec </p> <p><input type="checkbox"/> Survey month outside the specified months?</p>
<p><i>Delma impar</i> Striped Legless Lizard</p>	<p>No (surveyed)</p>	<p> <input type="checkbox"/> Jan <input type="checkbox"/> Feb <input type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input checked="" type="checkbox"/> Dec </p> <p><input type="checkbox"/> Survey month outside the specified months?</p>

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<p><i>Diuris tricolor</i> Pine Donkey Orchid</p>	<p>Yes (assumed present)</p>	<p> <input type="checkbox"/> Jan <input type="checkbox"/> Feb <input type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input type="checkbox"/> Dec </p> <p><input type="checkbox"/> Survey month outside the specified months?</p>
<p><i>Eucalyptus castrensis</i> Singleton Mallee</p>	<p>No (surveyed)</p>	<p> <input checked="" type="checkbox"/> Jan <input type="checkbox"/> Feb <input type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input type="checkbox"/> Dec </p> <p><input type="checkbox"/> Survey month outside the specified months?</p>
<p><i>Eucalyptus glaucina</i> Slaty Red Gum</p>	<p>No (surveyed)</p>	<p> <input checked="" type="checkbox"/> Jan <input type="checkbox"/> Feb <input type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input type="checkbox"/> Dec </p> <p><input type="checkbox"/> Survey month outside the specified months?</p>
<p><i>Eucalyptus parramattensis subsp. decadens</i> Eucalyptus parramattensis subsp. decadens</p>	<p>No (surveyed)</p>	<p> <input checked="" type="checkbox"/> Jan <input type="checkbox"/> Feb <input type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input type="checkbox"/> Dec </p> <p><input type="checkbox"/> Survey month outside the specified months?</p>
<p><i>Eucalyptus pumila</i> Pokolbin Mallee</p>	<p>No (surveyed)</p>	<p> <input checked="" type="checkbox"/> Jan <input type="checkbox"/> Feb <input type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input type="checkbox"/> Dec </p> <p><input type="checkbox"/> Survey month outside the specified months?</p>
<p><i>Grevillea parviflora subsp. parviflora</i> Small-flower Grevillea</p>	<p>No (surveyed)</p>	<p> <input type="checkbox"/> Jan <input type="checkbox"/> Feb <input type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input checked="" type="checkbox"/> Nov <input type="checkbox"/> Dec </p> <p><input type="checkbox"/> Survey month outside the specified months?</p>

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<p><i>Haliaeetus leucogaster</i> White-bellied Sea-Eagle</p>	<p>No (surveyed)</p>	<p> <input type="checkbox"/> Jan <input type="checkbox"/> Feb <input type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input checked="" type="checkbox"/> Dec </p> <p><input type="checkbox"/> Survey month outside the specified months?</p>
<p><i>Hieraaetus morphnoides</i> Little Eagle</p>	<p>Yes (assumed present)</p>	<p> <input type="checkbox"/> Jan <input type="checkbox"/> Feb <input type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input type="checkbox"/> Dec </p> <p><input type="checkbox"/> Survey month outside the specified months?</p>
<p><i>Hoplocephalus bitorquatus</i> Pale-headed Snake</p>	<p>No (surveyed)</p>	<p> <input type="checkbox"/> Jan <input type="checkbox"/> Feb <input checked="" type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input type="checkbox"/> Dec </p> <p><input type="checkbox"/> Survey month outside the specified months?</p>
<p><i>Litoria aurea</i> Green and Golden Bell Frog</p>	<p>No (surveyed)</p>	<p> <input type="checkbox"/> Jan <input type="checkbox"/> Feb <input checked="" type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input type="checkbox"/> Dec </p> <p><input type="checkbox"/> Survey month outside the specified months?</p>
<p><i>Litoria brevipalmata</i> Green-thighed Frog</p>	<p>No (surveyed)</p>	<p> <input type="checkbox"/> Jan <input type="checkbox"/> Feb <input checked="" type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input type="checkbox"/> Dec </p> <p><input type="checkbox"/> Survey month outside the specified months?</p>
<p><i>Lophoictinia isura</i> Square-tailed Kite</p>	<p>Yes (assumed present)</p>	<p> <input type="checkbox"/> Jan <input type="checkbox"/> Feb <input type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input type="checkbox"/> Dec </p> <p><input type="checkbox"/> Survey month outside the specified months?</p>

BAM Candidate Species Report

<p><i>Monotaxis macrophylla</i> Large-leafed Monotaxis</p>	<p>No (surveyed)</p>	<p> <input checked="" type="checkbox"/> Jan <input type="checkbox"/> Feb <input type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input type="checkbox"/> Dec <input type="checkbox"/> Survey month outside the specified months? </p>
<p><i>Myotis macropus</i> Southern Myotis</p>	<p>No (surveyed)</p>	<p> <input type="checkbox"/> Jan <input type="checkbox"/> Feb <input checked="" type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input type="checkbox"/> Dec <input type="checkbox"/> Survey month outside the specified months? </p>
<p><i>Ninox connivens</i> Barking Owl</p>	<p>Yes (assumed present)</p>	<p> <input type="checkbox"/> Jan <input type="checkbox"/> Feb <input type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input type="checkbox"/> Dec <input type="checkbox"/> Survey month outside the specified months? </p>
<p><i>Ninox strenua</i> Powerful Owl</p>	<p>Yes (assumed present)</p>	<p> <input type="checkbox"/> Jan <input type="checkbox"/> Feb <input type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input type="checkbox"/> Dec <input type="checkbox"/> Survey month outside the specified months? </p>
<p><i>Ozothamnus tessellatus</i> Ozothamnus tessellatus</p>	<p>Yes (assumed present)</p>	<p> <input type="checkbox"/> Jan <input type="checkbox"/> Feb <input type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input type="checkbox"/> Dec <input type="checkbox"/> Survey month outside the specified months? </p>
<p><i>Persoonia pauciflora</i> North Rothbury Persoonia</p>	<p>No (surveyed)</p>	<p> <input checked="" type="checkbox"/> Jan <input type="checkbox"/> Feb <input type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input type="checkbox"/> Dec <input type="checkbox"/> Survey month outside the specified months? </p>

BAM Candidate Species Report

<p><i>Petauroides volans</i> Greater Glider</p>	<p>No (surveyed)</p>	<table border="1"> <tr> <td><input type="checkbox"/> Jan</td> <td><input type="checkbox"/> Feb</td> <td><input checked="" type="checkbox"/> Mar</td> <td><input type="checkbox"/> Apr</td> </tr> <tr> <td><input type="checkbox"/> May</td> <td><input type="checkbox"/> Jun</td> <td><input type="checkbox"/> Jul</td> <td><input type="checkbox"/> Aug</td> </tr> <tr> <td><input type="checkbox"/> Sep</td> <td><input type="checkbox"/> Oct</td> <td><input type="checkbox"/> Nov</td> <td><input type="checkbox"/> Dec</td> </tr> </table> <p><input type="checkbox"/> Survey month outside the specified months?</p>	<input type="checkbox"/> Jan	<input type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input type="checkbox"/> Apr	<input type="checkbox"/> May	<input type="checkbox"/> Jun	<input type="checkbox"/> Jul	<input type="checkbox"/> Aug	<input type="checkbox"/> Sep	<input type="checkbox"/> Oct	<input type="checkbox"/> Nov	<input type="checkbox"/> Dec
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<p><i>Phascogale tapoatafa</i> Brush-tailed Phascogale</p>	<p>No (surveyed)</p>	<table border="1"> <tr> <td><input checked="" type="checkbox"/> Jan</td> <td><input type="checkbox"/> Feb</td> <td><input type="checkbox"/> Mar</td> <td><input type="checkbox"/> Apr</td> </tr> <tr> <td><input type="checkbox"/> May</td> <td><input type="checkbox"/> Jun</td> <td><input type="checkbox"/> Jul</td> <td><input type="checkbox"/> Aug</td> </tr> <tr> <td><input type="checkbox"/> Sep</td> <td><input type="checkbox"/> Oct</td> <td><input type="checkbox"/> Nov</td> <td><input type="checkbox"/> Dec</td> </tr> </table> <p><input type="checkbox"/> Survey month outside the specified months?</p>	<input checked="" type="checkbox"/> Jan	<input type="checkbox"/> Feb	<input type="checkbox"/> Mar	<input type="checkbox"/> Apr	<input type="checkbox"/> May	<input type="checkbox"/> Jun	<input type="checkbox"/> Jul	<input type="checkbox"/> Aug	<input type="checkbox"/> Sep	<input type="checkbox"/> Oct	<input type="checkbox"/> Nov	<input type="checkbox"/> Dec
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<p><i>Phascolarctos cinereus</i> Koala</p>	<p>No (surveyed)</p>	<table border="1"> <tr> <td><input type="checkbox"/> Jan</td> <td><input type="checkbox"/> Feb</td> <td><input checked="" type="checkbox"/> Mar</td> <td><input type="checkbox"/> Apr</td> </tr> <tr> <td><input type="checkbox"/> May</td> <td><input type="checkbox"/> Jun</td> <td><input type="checkbox"/> Jul</td> <td><input type="checkbox"/> Aug</td> </tr> <tr> <td><input type="checkbox"/> Sep</td> <td><input type="checkbox"/> Oct</td> <td><input type="checkbox"/> Nov</td> <td><input type="checkbox"/> Dec</td> </tr> </table> <p><input type="checkbox"/> Survey month outside the specified months?</p>	<input type="checkbox"/> Jan	<input type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input type="checkbox"/> Apr	<input type="checkbox"/> May	<input type="checkbox"/> Jun	<input type="checkbox"/> Jul	<input type="checkbox"/> Aug	<input type="checkbox"/> Sep	<input type="checkbox"/> Oct	<input type="checkbox"/> Nov	<input type="checkbox"/> Dec
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<p><i>Planigale maculata</i> Common Planigale</p>	<p>Yes (assumed present)</p>	<table border="1"> <tr> <td><input type="checkbox"/> Jan</td> <td><input type="checkbox"/> Feb</td> <td><input type="checkbox"/> Mar</td> <td><input type="checkbox"/> Apr</td> </tr> <tr> <td><input type="checkbox"/> May</td> <td><input type="checkbox"/> Jun</td> <td><input type="checkbox"/> Jul</td> <td><input type="checkbox"/> Aug</td> </tr> <tr> <td><input type="checkbox"/> Sep</td> <td><input type="checkbox"/> Oct</td> <td><input type="checkbox"/> Nov</td> <td><input type="checkbox"/> Dec</td> </tr> </table> <p><input type="checkbox"/> Survey month outside the specified months?</p>	<input type="checkbox"/> Jan	<input type="checkbox"/> Feb	<input type="checkbox"/> Mar	<input type="checkbox"/> Apr	<input type="checkbox"/> May	<input type="checkbox"/> Jun	<input type="checkbox"/> Jul	<input type="checkbox"/> Aug	<input type="checkbox"/> Sep	<input type="checkbox"/> Oct	<input type="checkbox"/> Nov	<input type="checkbox"/> Dec
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<p><i>Pomaderris queenslandica</i> Scant Pomaderris</p>	<p>No (surveyed)</p>	<table border="1"> <tr> <td><input type="checkbox"/> Jan</td> <td><input type="checkbox"/> Feb</td> <td><input checked="" type="checkbox"/> Mar</td> <td><input type="checkbox"/> Apr</td> </tr> <tr> <td><input type="checkbox"/> May</td> <td><input type="checkbox"/> Jun</td> <td><input type="checkbox"/> Jul</td> <td><input type="checkbox"/> Aug</td> </tr> <tr> <td><input type="checkbox"/> Sep</td> <td><input type="checkbox"/> Oct</td> <td><input type="checkbox"/> Nov</td> <td><input type="checkbox"/> Dec</td> </tr> </table> <p><input type="checkbox"/> Survey month outside the specified months?</p>	<input type="checkbox"/> Jan	<input type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input type="checkbox"/> Apr	<input type="checkbox"/> May	<input type="checkbox"/> Jun	<input type="checkbox"/> Jul	<input type="checkbox"/> Aug	<input type="checkbox"/> Sep	<input type="checkbox"/> Oct	<input type="checkbox"/> Nov	<input type="checkbox"/> Dec
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<p><i>Prostanthera cineolifera</i> Singleton Mint Bush</p>	<p>Yes (assumed present)</p>	<table border="1"> <tr> <td><input type="checkbox"/> Jan</td> <td><input type="checkbox"/> Feb</td> <td><input type="checkbox"/> Mar</td> <td><input type="checkbox"/> Apr</td> </tr> <tr> <td><input type="checkbox"/> May</td> <td><input type="checkbox"/> Jun</td> <td><input type="checkbox"/> Jul</td> <td><input type="checkbox"/> Aug</td> </tr> <tr> <td><input type="checkbox"/> Sep</td> <td><input type="checkbox"/> Oct</td> <td><input type="checkbox"/> Nov</td> <td><input type="checkbox"/> Dec</td> </tr> </table> <p><input type="checkbox"/> Survey month outside the specified months?</p>	<input type="checkbox"/> Jan	<input type="checkbox"/> Feb	<input type="checkbox"/> Mar	<input type="checkbox"/> Apr	<input type="checkbox"/> May	<input type="checkbox"/> Jun	<input type="checkbox"/> Jul	<input type="checkbox"/> Aug	<input type="checkbox"/> Sep	<input type="checkbox"/> Oct	<input type="checkbox"/> Nov	<input type="checkbox"/> Dec
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BAM Candidate Species Report

<p><i>Pterostylis chaetophora</i> Pterostylis chaetophora</p>	Yes (assumed present)	<input type="checkbox"/> Jan <input type="checkbox"/> Feb <input type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input type="checkbox"/> Dec <input type="checkbox"/> Survey month outside the specified months?
<p><i>Rutidosis heterogama</i> Heath Wrinklewort</p>	No (surveyed)	<input checked="" type="checkbox"/> Jan <input type="checkbox"/> Feb <input type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input type="checkbox"/> Dec <input type="checkbox"/> Survey month outside the specified months?
<p><i>Thesium australe</i> Austral Toadflax</p>	No (surveyed)	<input checked="" type="checkbox"/> Jan <input type="checkbox"/> Feb <input type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input type="checkbox"/> Dec <input type="checkbox"/> Survey month outside the specified months?
<p><i>Tyto novaehollandiae</i> Masked Owl</p>	Yes (assumed present)	<input type="checkbox"/> Jan <input type="checkbox"/> Feb <input type="checkbox"/> Mar <input type="checkbox"/> Apr <input type="checkbox"/> May <input type="checkbox"/> Jun <input type="checkbox"/> Jul <input type="checkbox"/> Aug <input type="checkbox"/> Sep <input type="checkbox"/> Oct <input type="checkbox"/> Nov <input type="checkbox"/> Dec <input type="checkbox"/> Survey month outside the specified months?

Threatened species Manually Added

None added

Threatened species assessed as not on site

Refer to BAR for detailed justification

Common name	Scientific name	Justification in the BAM-C
Brush-tailed Rock-wallaby	<i>Petrogale penicillata</i>	Habitat constraints
Eastern Cave Bat	<i>Vespadelus troughtoni</i>	Habitat constraints
Grey-headed Flying-fox	<i>Pteropus poliocephalus</i>	Habitat constraints
Large Bent-winged Bat	<i>Miniopterus orianae oceanensis</i>	Habitat constraints

BAM Candidate Species Report

Large-eared Pied Bat	<i>Chalinolobus dwyeri</i>	Habitat constraints
Little Bent-winged Bat	<i>Miniopterus australis</i>	Habitat constraints
Pink-tailed Legless Lizard	<i>Aprasia parapulchella</i>	Habitat constraints Geographic limitations
Regent Honeyeater	<i>Anthochaera phrygia</i>	Habitat constraints
Rough Doubletail	<i>Diuris praecox</i>	Refer to BAR
Swift Parrot	<i>Lathamus discolor</i>	Habitat constraints

Proposal Details

Assessment Id	Proposal Name	BAM data last updated *
00032062/BAAS18020/22/00032063	Pet food	24/11/2021
Assessor Name	Report Created	BAM Data version *
Sarah Elizabeth Jones	30/03/2022	50
Assessor Number	BAM Case Status	Date Finalised
BAAS18020	Open	To be finalised
Assessment Revision	Assessment Type	BOS entry trigger
0	Part 4 Developments (General)	BOS Threshold: Area clearing threshold

* Disclaimer: BAM data last updated may indicate either complete or partial update of the BAM calculator database. BAM calculator database may not be completely aligned with Bionet.

Ecosystem credits for plant communities types (PCT), ecological communities & threatened species habitat

Zone	Vegetation zone name	TEC name	Current Vegetation integrity score	Change in Vegetation integrity (loss / gain)	Area (ha)	Sensitivity to loss (Justification)	Species sensitivity to gain class	BC Act Listing status	EPBC Act listing status	Biodiversity risk weighting	Potential SAI	Ecosystem credits
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Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter												
1	1601_Poor	Central Hunter Ironbark—Spotted Gum—Grey Box Forest in the New South Wales North Coast and Sydney Basin Bioregions	14.9	14.9	1.4	PCT Cleared - 71%	High Sensitivity to Potential Gain	Endangered Ecological Community	Critically Endangered	2.00		0
										Subtotal	0	
Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter												
2	1601_Moderate	Not a TEC	31.8	31.8	0.67	PCT Cleared - 71%	High Sensitivity to Potential Gain			2.00		11
										Subtotal	11	
										Total	11	

Species credits for threatened species

Vegetation zone name	Habitat condition (Vegetation Integrity)	Change in habitat condition	Area (ha)/Count (no. individuals)	Sensitivity to loss (Justification)	Sensitivity to gain (Justification)	BC Act Listing status	EPBC Act listing status	Potential SAI	Species credits

<i>Diuris tricolor / Pine Donkey Orchid (Flora)</i>									
1601_Moderate	31.8	31.8	0.67			Vulnerable	Not Listed	False	8
								Subtotal	8
<i>Hieraaetus morphnoides / Little Eagle (Fauna)</i>									
1601_Poor	14.9	14.9	1.4			Vulnerable	Not Listed	False	8
1601_Moderate	31.8	31.8	0.67			Vulnerable	Not Listed	False	8
								Subtotal	16
<i>Lophoictinia isura / Square-tailed Kite (Fauna)</i>									
1601_Poor	14.9	14.9	1.4			Vulnerable	Not Listed	False	8
1601_Moderate	31.8	31.8	0.67			Vulnerable	Not Listed	False	8
								Subtotal	16
<i>Ninox connivens / Barking Owl (Fauna)</i>									
1601_Moderate	31.8	31.8	0.67			Vulnerable	Not Listed	False	11
								Subtotal	11
<i>Ninox strenua / Powerful Owl (Fauna)</i>									
1601_Moderate	31.8	31.8	0.67			Vulnerable	Not Listed	False	11
								Subtotal	11
<i>Ozothamnus tessellatus / Ozothamnus tessellatus (Flora)</i>									
1601_Moderate	31.8	31.8	0.67			Vulnerable	Vulnerable	False	8
								Subtotal	8
<i>Planigale maculata / Common Planigale (Fauna)</i>									
1601_Moderate	31.8	31.8	0.67			Vulnerable	Not Listed	False	11
								Subtotal	11

<i>Prostanthera cineolifera / Singleton Mint Bush (Flora)</i>									
1601_Moderate	31.8	31.8	0.67			Vulnerable	Vulnerable	False	11
								Subtotal	11
<i>Pterostylis chaetophora / Pterostylis chaetophora (Flora)</i>									
1601_Moderate	31.8	31.8	0.67			Vulnerable	Not Listed	False	11
								Subtotal	11
<i>Tyto novaehollandiae / Masked Owl (Fauna)</i>									
1601_Poor	14.9	14.9	1.4			Vulnerable	Not Listed	False	10
								Subtotal	10

Biodiversity payment summary report

Assessment Id	Payment data version	Assessment Revision	Report created
00032062/BAAS18020/22/00032063		0	30/03/2022
Assessor Name	Assessor Number	Proposal Name	BAM Case Status
Sarah Elizabeth Jones	BAAS18020	Pet food	Open
Assessment Type	Date Finalised	BOS entry trigger	
Part 4 Developments (General)	To be finalised	BOS Threshold: Area clearing threshold	

PCT list

Price calculated	PCT common name	Credits
Yes	1601 - Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter	0
Yes	1601 - Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter	11

Species list

Price calculated	Species	Credits
Yes	<i>Diuris tricolor</i> (Pine Donkey Orchid)	8
Yes	<i>Lophoictinia isura</i> (Square-tailed Kite)	16
Yes	<i>Ninox connivens</i> (Barking Owl)	11
Yes	<i>Ninox strenua</i> (Powerful Owl)	11
Yes	<i>Ozothamnus tessellatus</i> (Ozothamnus tessellatus)	8

Biodiversity payment summary report

Yes	<i>Planigale maculata</i> (Common Planigale)	11
Yes	<i>Prostanthera cineolifera</i> (Singleton Mint Bush)	11
Yes	<i>Tyto novaehollandiae</i> (Masked Owl)	10
Yes	<i>Hieraaetus morphnoides</i> (Little Eagle)	16
Yes	<i>Pterostylis chaetophora</i> (Pterostylis chaetophora)	11

Ecosystem credits for plant communities types (PCT), ecological communities & threatened species habitat

IBRA sub region	PCT common name	Threat status	Offset trading group	Risk premium	Administrative cost	Methodology adjustment factor	Price per credit	No. of ecosystem credits	Final credits price
Hunter	1601 - Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter	Yes	Central Hunter Ironbark—Spotted Gum—Grey Box Forest in the New South Wales North Coast and Sydney Basin Bioregions	19.38%	\$218.78	1.7143	\$6,748.30	0	\$0.00
Hunter	1601 - Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter	No	Hunter-Macleay Dry Sclerophyll Forests >=70% and <90%	20.69%	\$160.54	1.8553	\$5,004.49	11	\$55,049.34

Biodiversity payment summary report

Subtotal (excl. GST) **\$55,049.34**

GST **\$5,504.93**

Total ecosystem credits (incl. GST) \$60,554.27

Species credits for threatened species

Species profile ID	Species	Threat status	Price per credit	Risk premium	Administrative cost	No. of species credits	Final credits price
10243	<i>Diuris tricolor</i> (Pine Donkey Orchid)	Vulnerable	\$158.64	20.6900%	\$80.00	8	\$2,171.70
10495	<i>Lophoictinia isura</i> (Square-tailed Kite)	Vulnerable	\$463.67	20.6900%	\$80.00	16	\$10,233.65
10561	<i>Ninox connivens</i> (Barking Owl)	Vulnerable	\$173.02	20.6900%	\$80.00	11	\$3,177.00
10562	<i>Ninox strenua</i> (Powerful Owl)	Vulnerable	\$463.67	20.6900%	\$80.00	11	\$7,035.64
10581	<i>Ozothamnus tessellatus</i> (Ozothamnus tessellatus)	Vulnerable	\$54.59	20.6900%	\$80.00	8	\$1,167.08
10635	<i>Planigale maculata</i> (Common Planigale)	Vulnerable	\$463.67	20.6900%	\$80.00	11	\$7,035.64
10672	<i>Prostanthera cineolifera</i> (Singleton Mint Bush)	Vulnerable	\$346.03	20.6900%	\$80.00	11	\$5,473.86
10820	<i>Tyto novaehollandiae</i> (Masked Owl)	Vulnerable	\$463.67	20.6900%	\$80.00	10	\$6,396.03



Biodiversity payment summary report

20131	<i>Hieraaetus morphnoides</i> (Little Eagle)	Vulnerable	\$463.67	20.6900%	\$80.00	16	\$10,233.65
20280	<i>Pterostylis chaetophora</i> (Pterostylis chaetophora)	Vulnerable	\$173.02	20.6900%	\$80.00	11	\$3,177.00
Subtotal (excl. GST)							\$56,101.25
GST							\$5,610.12
Total species credits (incl. GST)							\$61,711.38
Grand total							\$122,265.65

Proposal Details

Assessment Id 00032062/BAAS18020/22/00032063	Proposal Name Pet food	BAM data last updated * 24/11/2021
Assessor Name Sarah Elizabeth Jones	Report Created 30/03/2022	BAM Data version * 50
Assessor Number BAAS18020	Assessment Type Part 4 Developments (General)	BAM Case Status Open
Assessment Revision 0	BOS entry trigger BOS Threshold: Area clearing threshold	Date Finalised To be finalised

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Threatened species reliably predicted to utilise the site. No surveys are required for these species. Ecosystem credits apply to these species.

Common Name	Scientific Name	Vegetation Types(s)
Barking Owl	Ninox connivens	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
Black Falcon	Falco subniger	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
Black-chinned Honeyeater (eastern subspecies)	Melithreptus gularis gularis	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
Brown Treecreeper (eastern subspecies)	Climacteris picumnus victoriae	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
Diamond Firetail	Stagonopleura guttata	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
Eastern Coastal Free-tailed Bat	Micronomus norfolkensis	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
Eastern False Pipistrelle	Falsistrellus tasmaniensis	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
Flame Robin	Petroica phoenicea	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
Gang-gang Cockatoo	Callocephalon fimbriatum	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter

BAM Predicted Species Report

Glossy Black-Cockatoo	<i>Calyptorhynchus lathamii</i>	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
Greater Broad-nosed Bat	<i>Scoteanax rueppellii</i>	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
Grey-crowned Babbler (eastern subspecies)	<i>Pomatostomus temporalis temporalis</i>	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
Grey-headed Flying-fox	<i>Pteropus poliocephalus</i>	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
Hooded Robin (south-eastern form)	<i>Melanodryas cucullata cucullata</i>	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
Koala	<i>Phascolarctos cinereus</i>	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
Large Bent-winged Bat	<i>Miniopterus orianae oceanensis</i>	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
Little Bent-winged Bat	<i>Miniopterus australis</i>	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
Little Eagle	<i>Hieraaetus morphnoides</i>	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
Little Lorikeet	<i>Glossopsitta pusilla</i>	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
Masked Owl	<i>Tyto novaehollandiae</i>	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
Powerful Owl	<i>Ninox strenua</i>	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
Regent Honeyeater	<i>Anthochaera phrygia</i>	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
Scarlet Robin	<i>Petroica boodang</i>	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
Speckled Warbler	<i>Chthonicola sagittata</i>	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
Spotted-tailed Quoll	<i>Dasyurus maculatus</i>	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
Square-tailed Kite	<i>Lophoictinia isura</i>	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
Swift Parrot	<i>Lathamus discolor</i>	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
Turquoise Parrot	<i>Neophema pulchella</i>	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter

BAM Predicted Species Report

Varied Sittella	Daphoenositta chrysoptera	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
White-bellied Sea-Eagle	Haliaeetus leucogaster	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
White-throated Needletail	Hirundapus caudacutus	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
Yellow-bellied Glider	Petaurus australis	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter
Yellow-bellied Sheath-tail-bat	Saccolaimus flaviventris	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter

Threatened species Manually Added

None added

Threatened species assessed as not within the vegetation zone(s) for the PCT(s)

Common Name	Scientific Name	Plant Community Type(s)
Painted Honeyeater	Grantiella picta	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter

Threatened species assessed as not within the vegetation zone(s) for the PCT(s)

Refer to BAR for detailed justification

Common Name	Scientific Name	Justification in the BAM-C
Painted Honeyeater	Grantiella picta	Refer to BAR



BAM Vegetation Zones Report

Proposal Details

Assessment Id	Assessment name	BAM data last updated *
00032062/BAAS18020/22/00032063	Pet food	24/11/2021
Assessor Name	Report Created	BAM Data version *
Sarah Elizabeth Jones	30/03/2022	50
Assessor Number	Assessment Type	BAM Case Status
BAAS18020	Part 4 Developments (General)	Open
Assessment Revision	Date Finalised	BOS entry trigger
0	To be finalised	BOS Threshold: Area clearing threshold

* Disclaimer: BAM data last updated may indicate either complete or partial update of the BAM calculator database. BAM calculator database may not be completely aligned with Bionet.

Vegetation Zones

#	Name	PCT	Condition	Area	Minimum number of plots	Management zones
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BAM Vegetation Zones Report

1	1601_Poor	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter	Poor	1.4		
2	1601_Moderate	1601-Spotted Gum - Narrow-leaved Ironbark-Red Ironbark shrub - grass open forest of the central and lower Hunter	Moderate	0.67	1	