

BAM Predicted Species Report

Proposal Details

Assessment Id	Proposal Name	BAM data last updated *
00017577/BAAS17083/19/00017578	143-145 McCarrs Creek Road	30/10/2019
Assessor Name	Report Created	BAM Data version *
	04/11/2019	16
Assessor Number	Assessment Type	BAM Case Status
	Part 4 Developments (General)	Open
	Assessment Revision	Date Finalised
	0	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)
Dusky Woodswallow	Artamus cyanopterus cyanopterus	1833-Lilly Pilly - Cabbage Tree Palm littoral rainforest on escarpment slopes and gullies of the Sydney basin 1565-Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast
Eastern Coastal Free-tailed Bat	Micronomus norfolkensis	1833-Lilly Pilly - Cabbage Tree Palm littoral rainforest on escarpment slopes and gullies of the Sydney basin 1565-Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast
Eastern False Pipistrelle	Falsistrellus tasmaniensis	1565-Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast
Gang-gang Cockatoo	Callocephalon fimbriatum	1565-Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast
Glossy Black-Cockatoo	Calyptrorhynchus lathamii	1833-Lilly Pilly - Cabbage Tree Palm littoral rainforest on escarpment slopes and gullies of the Sydney basin 1565-Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast
Golden-tipped Bat	Phoniscus papuensis	1565-Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast
Greater Broad-nosed Bat	Scoteanax rueppellii	1565-Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast

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Grey-headed Flying-fox	<i>Pteropus poliocephalus</i>	1833-Lilly Pilly - Cabbage Tree Palm littoral rainforest on escarpment slopes and gullies of the Sydney basin
		1565-Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast
Koala	<i>Phascolarctos cinereus</i>	1833-Lilly Pilly - Cabbage Tree Palm littoral rainforest on escarpment slopes and gullies of the Sydney basin
		1565-Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast
Large Bent-winged Bat	<i>Miniopterus orianae oceanensis</i>	1833-Lilly Pilly - Cabbage Tree Palm littoral rainforest on escarpment slopes and gullies of the Sydney basin
		1565-Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast
Little Bent-winged Bat	<i>Miniopterus australis</i>	1833-Lilly Pilly - Cabbage Tree Palm littoral rainforest on escarpment slopes and gullies of the Sydney basin
		1565-Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast
Little Lorikeet	<i>Glossopsitta pusilla</i>	1833-Lilly Pilly - Cabbage Tree Palm littoral rainforest on escarpment slopes and gullies of the Sydney basin
		1565-Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast
Long-nosed Potoroo	<i>Potorous tridactylus</i>	1565-Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast
Masked Owl	<i>Tyto novaehollandiae</i>	1833-Lilly Pilly - Cabbage Tree Palm littoral rainforest on escarpment slopes and gullies of the Sydney basin
		1565-Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast
Powerful Owl	<i>Ninox strenua</i>	1833-Lilly Pilly - Cabbage Tree Palm littoral rainforest on escarpment slopes and gullies of the Sydney basin
		1565-Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast
Regent Honeyeater	<i>Anthochaera phrygia</i>	1833-Lilly Pilly - Cabbage Tree Palm littoral rainforest on escarpment slopes and gullies of the Sydney basin
Rose-crowned Fruit-Dove	<i>Ptilinopus regina</i>	1833-Lilly Pilly - Cabbage Tree Palm littoral rainforest on escarpment slopes and gullies of the Sydney basin
Spotted-tailed Quoll	<i>Dasyurus maculatus</i>	1565-Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast
Square-tailed Kite	<i>Lophoictinia isura</i>	1565-Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast
Superb Fruit-Dove	<i>Ptilinopus superbus</i>	1833-Lilly Pilly - Cabbage Tree Palm littoral rainforest on escarpment slopes and gullies of the Sydney basin

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Swift Parrot	Lathamus discolor	1833-Lilly Pilly - Cabbage Tree Palm littoral rainforest on escarpment slopes and gullies of the Sydney basin
		1565-Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast
Varied Sittella	Daphoenositta chrysoptera	1833-Lilly Pilly - Cabbage Tree Palm littoral rainforest on escarpment slopes and gullies of the Sydney basin
		1565-Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast
Yellow-bellied Sheath-tail-bat	Saccolaimus flaviventris	1565-Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast

Threatened species not within the area of these PCT's

Common Name	Scientific Name	Vegetation Types(s)
White-bellied Sea-Eagle	Haliaeetus leucogaster	1833-Lilly Pilly - Cabbage Tree Palm littoral rainforest on escarpment slopes and gullies of the Sydney basin

BAM Vegetation Zones Report

Proposal Details

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Vegetation Zones

#	Name	PCT	Condition	Area	Minimum number of plots	Management zones
1	1833_LittoralRainforest	1833-Lilly Pilly - Cabbage Tree Palm littoral rainforest on escarpment slopes and gullies of the Sydney basin	LittoralRainforest	0.07	1	Remove (0.04 ha) APZ (0.03 ha)
2	1565_MoistForest	1565-Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast	MoistForest	0.2	1	Remove (0.09 ha) APZ (0.11 ha)

BAM Candidate Species Report

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List of Species Requiring Survey

Name	Presence	Survey Months
<i>Cercartetus nanus</i> Eastern Pygmy-possum	Yes (assumed present)	<div>Jan Feb Mar Apr May Jun</div> <div>Jul Aug Sep Oct Nov Dec</div>
<i>Chalinolobus dwyeri</i> Large-eared Pied Bat	No (surveyed) *Survey months are outside of the months specified in Bionet.	<div>Jan Feb Mar Apr May Jun</div> <div>Jul Aug Sep Oct Nov Dec</div>
<i>Grammitis stenophylla</i> Narrow-leaf Finger Fern	No (surveyed)	<div>Jan Feb Mar Apr May Jun</div> <div>Jul Aug Sep Oct Nov Dec</div>
<i>Petaurus norfolcensis</i> Squirrel Glider	Yes (assumed present)	<div>Jan Feb Mar Apr May Jun</div> <div>Jul Aug Sep Oct Nov Dec</div>
<i>Rhodamnia rubescens</i> Scrub Turpentine	No (surveyed)	<div>Jan Feb Mar Apr May Jun</div> <div>Jul Aug Sep Oct Nov Dec</div>

BAM Candidate Species Report

<i>Heleioporus australiacus</i> Giant Burrowing Frog	Yes (assumed present)	<div>Jan Feb Mar Apr May Jun</div> <div>Jul Aug Sep Oct Nov Dec</div>
<i>Myotis macropus</i> Southern Myotis	No (surveyed)	<div>Jan Feb Mar Apr May Jun</div> <div>Jul Aug Sep Oct Nov Dec</div>
<i>Cryptostylis hunteriana</i> Leafless Tongue Orchid	Yes (assumed present)	<div>Jan Feb Mar Apr May Jun</div> <div>Jul Aug Sep Oct Nov Dec</div>
<i>Syzygium paniculatum</i> Magenta Lilly Pilly	No (surveyed) *Survey months are outside of the months specified in Bionet.	<div>Jan Feb Mar Apr May Jun</div> <div>Jul Aug Sep Oct Nov Dec</div>

List of Species Not On Site

Name
<i>Calyptorhynchus lathami</i> Glossy Black-Cockatoo
<i>Camarophyllopsis kearneyi</i> Camarophyllopsis kearneyi
<i>Hygrocybe anomala</i> var. <i>ianthinomarginata</i> Hygrocybe anomala var. ianthinomarginata
<i>Hygrocybe aurantipes</i> Hygrocybe aurantipes
<i>Hygrocybe austropratensis</i> Hygrocybe austropratensis
<i>Hygrocybe collucera</i> Hygrocybe collucera
<i>Hygrocybe griseoramosa</i> Hygrocybe griseoramosa
<i>Hygrocybe lanecovensensis</i> Hygrocybe lanecovensensis
<i>Hygrocybe reesiaae</i> Hygrocybe reesiaae
<i>Lathamus discolor</i> Swift Parrot
<i>Miniopterus australis</i> Little Bent-winged Bat
<i>Miniopterus orianae oceanensis</i> Large Bent-winged Bat
<i>Mixophyes iteratus</i> Giant Barred Frog
<i>Ninox strenua</i> Powerful Owl
<i>Phascolarctos cinereus</i> Koala

<i>Pteropus poliocephalus</i> Grey-headed Flying-fox
<i>Tyto novaehollandiae</i> Masked Owl
<i>Anthochaera phrygia</i> Regent Honeyeater
<i>Hygrocybe rubronivea</i> Hygrocybe rubronivea
<i>Haliaeetus leucogaster</i> White-bellied Sea-Eagle
<i>Eudyptula minor</i> - endangered population Little Penguin in the Manly Point Area (being the area on and near the shoreline from Cannae Point generally northward to the point near the intersection of Stuart Street and Oyama Cove Avenue, and extending 100 metres offshore from that shoreline)
<i>Perameles nasuta</i> - endangered population Long-nosed Bandicoot, North Head
<i>Lophoictinia isura</i> Square-tailed Kite
<i>Callocephalon fimbriatum</i> Gang-gang Cockatoo
<i>Hoplocephalus bitorquatus</i> Pale-headed Snake
<i>Litoria brevipalmata</i> Green-thighed Frog
<i>Macropus parma</i> Parma Wallaby
<i>Melaleuca groveana</i> Grove's Paperbark

BAM Credit Summary Report

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

Zone	Vegetation zone name	Vegetation integrity loss / gain	Area (ha)	Constant	Species sensitivity to gain class (for BRW)	Biodiversity risk weighting	Potential SAI	Ecosystem credits
Lilly Pilly - Cabbage Tree Palm littoral rainforest on escarpment slopes and gullies of the Sydney basin								
1	1833_LittoralRain forest	55.0	0.1	0.25	High Sensitivity to Potential Gain	2.00		2
							Subtotal	2

BAM Credit Summary Report

Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast							
2	1565_MoistForest	41.3	0.2	0.25	High Sensitivity to Potential Gain	1.50	3
						Subtotal	3
						Total	5

Species credits for threatened species

Vegetation zone name	Habitat condition (HC)	Area (ha) / individual (HL)	Constant	Biodiversity risk weighting	Potential SAI	Species credits
<i>Cercartetus nanus</i> / Eastern Pygmy-possum (Fauna)						
1833_LittoralRainforest	55.0	0	0.25	2	False	0
1565_MoistForest	41.3	0.2	0.25	2	False	4
					Subtotal	4
<i>Cryptostylis hunteriana</i> / Leafless Tongue Orchid (Flora)						
1833_LittoralRainforest	55.0	0	0.25	1.5	False	0
1565_MoistForest	41.3	0.2	0.25	1.5	False	3
					Subtotal	3
<i>Heleioporus australiacus</i> / Giant Burrowing Frog (Fauna)						
1833_LittoralRainforest	55.0	0.07	0.25	1.5	False	1
1565_MoistForest	41.3	0.2	0.25	1.5	False	3
					Subtotal	4
<i>Petaurus norfolcensis</i> / Squirrel Glider (Fauna)						
1833_LittoralRainforest	55.0	0.07	0.25	2	False	2



BAM Credit Summary Report

1565_MoistForest	41.3	0.2	0.25	2	False	4
					Subtotal	6



BAM Biodiversity Credit Report (Like for like)

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Potential Serious and Irreversible Impacts

Nil

Nil

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Additional Information for Approval

PCTs With Customized Benchmarks

No Changes

BAM Biodiversity Credit Report (Like for like)

Predicted Threatened Species Not On Site

Name
Haliaeetus leucogaster / White-bellied Sea-Eagle

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	Number of credits to be retired
1833-Lilly Pilly - Cabbage Tree Palm littoral rainforest on escarpment slopes and gullies of the Sydney basin	Littoral Rainforest in the New South Wales North Coast, Sydney Basin and South East Corner Bioregions	0.1	2.00
1565-Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast	Not a TEC	0.2	3.00

1565-Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast	Like-for-like credit retirement options			
	Class	Trading group	HBT	IBRA region
	Northern Hinterland Wet Sclerophyll Forests This includes PCT's: 690, 697, 698, 755, 1092, 1262, 1267, 1268, 1281, 1385, 1548, 1549, 1550, 1556, 1557, 1558, 1564, 1565, 1580, 1582, 1584, 1585, 1845, 1846, 1847, 1914	Northern Hinterland Wet Sclerophyll Forests - < 50% cleared group (including Tier 7 or higher).	Yes	Pittwater, Cumberland, Sydney Cataract, 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)

1565-Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast

1833-Lilly Pilly - Cabbage Tree Palm littoral rainforest on escarpment slopes and gullies of the Sydney basin

Like-for-like credit retirement options

Name of offset trading group	Trading group	HBT	IBRA region
Littoral Rainforest in the New South Wales North Coast, Sydney Basin and South East Corner Bioregions This includes PCT's: 670, 751, 910, 1534, 1536, 1537, 1832, 1833	-	Yes	Pittwater, Cumberland, Sydney Cataract, Wyong and Yengo. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.

Species Credit Summary

Species	Area	Credits
Cercartetus nanus / Eastern Pygmy-possum	0.2	4.00
Cryptostylis hunteriana / Leafless Tongue Orchid	0.2	3.00
Heleioporus australiacus / Giant Burrowing Frog	0.3	4.00
Petaurus norfolcensis / Squirrel Glider	0.3	6.00

BAM Biodiversity Credit Report (Like for like)

Cercartetus nanus/ Eastern Pygmy-possum	1565_MoistForest	Like-for-like credit retirement options	
		Spp	IBRA region
		Cercartetus nanus /Eastern Pygmy-possum	Any in NSW
	1833_LittoralRainforest	Like-for-like credit retirement options	
		Spp	IBRA region
		Cercartetus nanus /Eastern Pygmy-possum	Any in NSW
Cryptostylis hunteriana/ Leafless Tongue Orchid	1565_MoistForest	Like-for-like credit retirement options	
		Spp	IBRA region
		Cryptostylis hunteriana /Leafless Tongue Orchid	Any in NSW
	1833_LittoralRainforest	Like-for-like credit retirement options	
		Spp	IBRA region

BAM Biodiversity Credit Report (Like for like)

		Cryptostylis hunteriana/Leafless Tongue Orchid	Any in NSW
Heleioporus australiacus/ Giant Burrowing Frog	1565_MoistForest	Like-for-like credit retirement options	
		Spp	IBRA region
		Heleioporus australiacus/Giant Burrowing Frog	Any in NSW
	1833_LittoralRainforest	Like-for-like credit retirement options	
		Spp	IBRA region
		Heleioporus australiacus/Giant Burrowing Frog	Any in NSW
Petaurus norfolcensis/ Squirrel Glider	1565_MoistForest	Like-for-like credit retirement options	
		Spp	IBRA region
		Petaurus norfolcensis/Squirrel Glider	Any in NSW

BAM Biodiversity Credit Report (Like for like)

Petaurus norfolcensis/ Squirrel Glider	1565_MoistForest		
	1833_LittoralRainforest	Like-for-like credit retirement options	
		Spp	IBRA region
		Petaurus norfolcensis/Squirrel Glider	Any in NSW



BAM Biodiversity Credit Report (Variations)

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Potential Serious and Irreversible Impacts

Nil

Nil

Additional Information for Approval

PCTs With Customized Benchmarks

No Changes

BAM Biodiversity Credit Report (Variations)

Predicted Threatened Species Not On Site

Name
Haliaeetus leucogaster / White-bellied Sea-Eagle

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	Number of credits to be retired
1833-Lilly Pilly - Cabbage Tree Palm littoral rainforest on escarpment slopes and gullies of the Sydney basin	Littoral Rainforest in the New South Wales North Coast, Sydney Basin and South East Corner Bioregions	0.1	2.00
1565-Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast	Not a TEC	0.2	3.00

1565-Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast	Like-for-like credit retirement options			
	Class	Trading group	HBT	IBRA region
	Northern Hinterland Wet Sclerophyll Forests This includes PCT's: 690, 697, 698, 755, 1092, 1262, 1267, 1268, 1281, 1385, 1548, 1549, 1550, 1556, 1557, 1558, 1564, 1565, 1580, 1582, 1584, 1585, 1845, 1846, 1847, 1914	Northern Hinterland Wet Sclerophyll Forests - < 50% cleared group (including Tier 7 or higher).	Yes	Pittwater, Cumberland, Sydney Cataract, Wyong and Yengo. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
	Variation options			
	Formation	Trading group	HBT	IBRA region

BAM Biodiversity Credit Report (Variations)

	Wet Sclerophyll Forests (Grassy sub-formation)	Tier 7 or higher	Yes (including artificial)	IBRA Region: Sydney Basin, or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
1833-Lilly Pilly - Cabbage Tree Palm littoral rainforest on escarpment slopes and gullies of the Sydney basin	Like-for-like credit retirement options			
	Name of offset trading group	Trading group	HBT	IBRA region
	Littoral Rainforest in the New South Wales North Coast, Sydney Basin and South East Corner Bioregions This includes PCT's: 670, 751, 910, 1534, 1536, 1537, 1832, 1833	-	Yes	Pittwater, Cumberland, Sydney Cataract, Wyong and Yengo. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
	Variation options			
	Formation	Trading group	HBT	IBRA region
	Rainforests	Tier 3 or higher	Yes (including artificial)	IBRA Region: Sydney Basin, or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.

Species Credit Summary

Species	Area	Credits
Cercartetus nanus / Eastern Pygmy-possum	0.2	4.00

BAM Biodiversity Credit Report (Variations)

Cryptostylis hunteriana / Leafless Tongue Orchid	0.2	3.00
Heleioporus australiacus / Giant Burrowing Frog	0.3	4.00
Petaurus norfolcensis / Squirrel Glider	0.3	6.00

Cercartetus nanus/ Eastern Pygmy-possum	1565_MoistForest	Like-for-like options		
		Spp		IBRA region
		Cercartetus nanus/Eastern Pygmy-possum		Any in NSW
		Variation options		
		Kingdom	Any species with same or higher category of listing under Part 4 of the BC Act shown below	IBRA region
		Fauna	Vulnerable	Pittwater, Cumberland, Sydney Cataract, Wyong and Yengo. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
	1833_LittoralRainforest	Like-for-like options		
		Spp		IBRA region
		Cercartetus nanus/Eastern Pygmy-possum		Any in NSW
		Variation options		

BAM Biodiversity Credit Report (Variations)

		Kingdom	Any species with same or higher category of listing under Part 4 of the BC Act shown below	IBRA region
		Fauna	Vulnerable	Pittwater, Cumberland, Sydney Cataract, Wyong and Yengo. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
Cryptostylis hunteriana/ Leafless Tongue Orchid	1565_MoistForest	Like-for-like options		
		Spp	IBRA region	
		Cryptostylis hunteriana/ Leafless Tongue Orchid		Any in NSW
		Variation options		
		Kingdom	Any species with same or higher category of listing under Part 4 of the BC Act shown below	IBRA region
		Flora	Vulnerable	Pittwater, Cumberland, Sydney Cataract, Wyong and Yengo. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.

BAM Biodiversity Credit Report (Variations)

Cryptostylis hunteriana/ Leafless Tongue Orchid	1833_LittoralRainforest	Like-for-like options		
		Spp		IBRA region
		Cryptostylis hunteriana/ Leafless Tongue Orchid		Any in NSW
		Variation options		
		Kingdom	Any species with same or higher category of listing under Part 4 of the BC Act shown below	IBRA region
Heleioporus australiacus/ Giant Burrowing Frog	1565_MoistForest	Flora	Vulnerable	Pittwater, Cumberland, Sydney Cataract, Wyong and Yengo. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
		Like-for-like options		
		Spp		IBRA region
		Heleioporus australiacus/ Giant Burrowing Frog		Any in NSW
		Variation options		
		Kingdom	Any species with same or higher category of listing under Part 4 of the BC Act shown below	IBRA region

BAM Biodiversity Credit Report (Variations)

		Fauna	Vulnerable	Pittwater, Cumberland, Sydney Cataract, Wyong and Yengo. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
	1833_LittoralRainforest	Like-for-like options		
		Spp		IBRA region
		Heleioporus australiacus/Giant Burrowing Frog		Any in NSW
		Variation options		
		Kingdom	Any species with same or higher category of listing under Part 4 of the BC Act shown below	IBRA region
		Fauna	Vulnerable	Pittwater, Cumberland, Sydney Cataract, Wyong and Yengo. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
Petaurus norfolcensis/ Squirrel Glider	1565_MoistForest	Like-for-like options		
		Spp		IBRA region
		Petaurus norfolcensis/Squirrel Glider		Any in NSW

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Petaurus norfolcensis/ Squirrel Glider	1565_MoistForest	Variation options		
		Kingdom	Any species with same or higher category of listing under Part 4 of the BC Act shown below	IBRA region
		Fauna	Vulnerable	Pittwater, Cumberland, Sydney Cataract, Wyong and Yengo. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
	1833_LittoralRainforest	Like-for-like options		
		Spp		IBRA region
		Petaurus norfolcensis/Squirrel Glider		Any in NSW
		Variation options		
Kingdom		Any species with same or higher category of listing under Part 4 of the BC Act shown below	IBRA region	

BAM Biodiversity Credit Report (Variations)

		Fauna	Vulnerable	Pittwater, Cumberland, Sydney Cataract, Wyong and Yengo. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
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Biodiversity payment summary report

Assessment Id	Payment data version	Assessment Revision	Report created
00017577/BAAS17083/19/00017578	61	0	04/11/2019
Assessor Name	Assessor Number	Proposal Name	BAM Case Status
		143-145 McCarrs Creek Road	Open

PCT list	Assessment Type	Date Finalised
	Part 4 Developments (General)	To be finalised

Include	PCT common name	Credits
Yes	1833 - Lilly Pilly - Cabbage Tree Palm littoral rainforest on escarpment slopes and gullies of the Sydney basin	2
Yes	1565 - Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast	3

Species list

Include	Species	Credits
Yes	<i>Cercartetus nanus</i> (Eastern Pygmy-possum)	4
Yes	<i>Cryptostylis hunteriana</i> (Leafless Tongue Orchid)	3
Yes	<i>Heleioporus australiacus</i> (Giant Burrowing Frog)	4
Yes	<i>Petaurus norfolcensis</i> (Squirrel Glider)	6

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

Assessment Id	Proposal Name
00017577/BAAS17083/19/00017578	143-145 McCarrs Creek Road

Biodiversity payment summary report

IBRA sub region	PCT common name	Baseline price	Dynamic coefficient	Market coefficient	Risk premium	Administrative cost	Methodology adjustment factor	Price per credit	No. of ecosystem credits	Final credits price
Pittwater	1833 - Lilly Pilly - Cabbage Tree Palm littoral rainforest on escarpment slopes and gullies of the Sydney basin	\$593.41	0.74219770	1.29971600	19.99%	\$20.00	1.0000	\$523.48	2	\$1,046.96
Pittwater	1565 - Turpentine - Rough-barked Apple - Forest Oak moist shrubby tall open forest of the Central Coast	\$593.41	0.74219770	1.29971600	19.99%	\$20.00	1.0000	\$523.48	3	\$1,570.44
Subtotal (excl. GST)										\$2,617.40
GST										\$261.74
Total ecosystem credits (incl. GST)										\$2,879.14

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
10155	<i>Cercartetus nanus</i> (Eastern Pygmy-possum)	Vulnerable	\$434.47	19.9900%	\$20.00	4	\$2,165.28
10187	<i>Cryptostylis hunteriana</i> (Leafless Tongue Orchid)	Vulnerable	\$150.00	19.9900%	\$20.00	3	\$599.96



Biodiversity payment summary report

10398	<i>Heleioporus australiacus</i> (Giant Burrowing Frog)	Vulnerable	\$434.47	19.9900%	\$20.00	4	\$2,165.28
10604	<i>Petaurus norfolcensis</i> (Squirrel Glider)	Vulnerable	\$434.47	19.9900%	\$20.00	6	\$3,247.92
Subtotal (excl. GST)							\$8,178.44
GST							\$817.84
Total species credits (incl. GST)							\$8,996.28
Grand total							\$11,875.42