

## Proposal Details

Assessment Id	Proposal Name	BAM data last updated *
00035044/BAAS18153/22/00035045	Concept Approval Plan Modification_Bevian Road_Rosedale	14/03/2024
Assessor Name	Report Created	BAM Data version *
Nigel A Cotsell	14/06/2024	67
Assessor Number	BAM Case Status	Date Finalised
BAAS18026	Finalised	14/06/2024
Assessment Revision	Assessment Type	BOS entry trigger
4	Part 4 Developments (General)	BOS Threshold: Area clearing threshold

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## 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
<b>South Coast Spotted Gum Cycad Dry Forest</b>												
5	3275_good	Not a TEC	77.8	77.8	10.6	PCT Cleared - 14%	High Sensitivity to Gain			1.50		311

## BAM Credit Summary Report

6	3275_moderate	Not a TEC	47.5	47.5	8.5	PCT Cleared - 14%	High Sensitivity to Gain			1.50		151
7	3275_low	Not a TEC	27.7	27.7	47.8	PCT Cleared - 14%	High Sensitivity to Gain			1.50		496
8	3275_Reg	Not a TEC	64	64.0	1.9	PCT Cleared - 14%	High Sensitivity to Gain			1.50		46
											<b>Subtotal</b>	<b>1004</b>
<b>South Coast Spotted Gum Moist Forest</b>												
1	3274_good	Not a TEC	66	66.0	1.5	PCT Cleared - 5%	High Sensitivity to Gain			1.50		38
2	3274_Low	Not a TEC	16.5	16.5	12.1	PCT Cleared - 5%	High Sensitivity to Gain			1.50		0
3	3274_exotic	Not a TEC	11.6	11.6	3.5	PCT Cleared - 5%	High Sensitivity to Gain			1.50		0
4	3274_reg	Not a TEC	43.2	43.2	4.6	PCT Cleared - 5%	High Sensitivity to Gain			1.50		75
											<b>Subtotal</b>	<b>113</b>

## BAM Credit Summary Report

Southern Estuarine Swamp Paperbark Creekflat Scrub											
9	4056_good	Swamp Oak Floodplain Forest of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions	73.4	73.4	1.8	Biodiversity Conservation Act listing status	High Sensitivity to Gain	Endangered Ecological Community	Not Listed	2.00	65
10	4056_Moderate_TEC	Swamp Oak Floodplain Forest of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions	48.4	48.4	11.8	Biodiversity Conservation Act listing status	High Sensitivity to Gain	Endangered Ecological Community	Not Listed	2.00	287
										<b>Subtotal</b>	<b>352</b>
										<b>Total</b>	<b>1469</b>

### 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 SAIL	Species credits

<b><i>Myotis macropus / Southern Myotis ( Fauna )</i></b>									
3274_Low	16.5	16.5	7.3	Biodiversity Conservation Act listing status	Species dependent on habitat attributes	Vulnerable	Not Listed	False	60
3274_exotic	11.6	11.6	2.4	Biodiversity Conservation Act listing status	Species dependent on habitat attributes	Vulnerable	Not Listed	False	14
3274_reg	43.2	43.2	2.7	Biodiversity Conservation Act listing status	Species dependent on habitat attributes	Vulnerable	Not Listed	False	58
3275_good	77.8	77.8	7.7	Biodiversity Conservation Act listing status	Species dependent on habitat attributes	Vulnerable	Not Listed	False	299
3275_moderate	47.5	47.5	0.98	Biodiversity Conservation Act listing status	Species dependent on habitat attributes	Vulnerable	Not Listed	False	23
3275_low	27.7	27.7	25.9	Biodiversity Conservation Act listing status	Species dependent on habitat attributes	Vulnerable	Not Listed	False	358
4056_good	73.4	73.4	1.4	Biodiversity Conservation Act listing status	Species dependent on habitat attributes	Vulnerable	Not Listed	False	50

## BAM Credit Summary Report

4056_Moderate _TEC	48.4	48.4	5.5	Biodiversity Conservation Act listing status	Species dependent on habitat attributes	Vulnerable	Not Listed	False	134
3274_good	66.0	66.0	1.4	Biodiversity Conservation Act listing status	Species dependent on habitat attributes	Vulnerable	Not Listed	False	45
								<b>Subtotal</b>	<b>1041</b>
<b><i>Persicaria elatior / Tall Knotweed ( Flora )</i></b>									
4056_good	73.4	73.4	1.8	Geographic Distribution	Effectiveness of management in controlling threats	Vulnerable	Vulnerable	False	65
4056_Moderate _TEC	48.4	48.4	11.8	Geographic Distribution	Effectiveness of management in controlling threats	Vulnerable	Vulnerable	False	287
								<b>Subtotal</b>	<b>352</b>



## BAM Biodiversity Credit Report (Like for like)

### Proposal Details

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Nigel A Cotsell	BAAS18026	67
Proponent Names	Report Created	BAM Case Status
	14/06/2024	Finalised
Assessment Revision	Assessment Type	Date Finalised
4	Part 4 Developments (General)	14/06/2024
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	Proposal Name
00035044/BAAS18153/22/00035045	Concept Approval Plan Modification_Bevian Road_Rosedale



## 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

No Changes

### 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
3274-South Coast Spotted Gum Moist Forest	Not a TEC	21.7	0	113	113
3275-South Coast Spotted Gum Cycad Dry Forest	Not a TEC	68.9	357	647	1004
4056-Southern Estuarine Swamp Paperbark Creekflat Scrub	Swamp Oak Floodplain Forest of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions	13.6	0	352	352

#### 3274-South Coast Spotted Gum Moist Forest

#### Like-for-like credit retirement options

Class	Trading group	Zone	HBT	Credits	IBRA region
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## BAM Biodiversity Credit Report (Like for like)

	Southern Lowland Wet Sclerophyll Forests This includes PCT's: 3266, 3267, 3268, 3270, 3271, 3272, 3273, 3274, 3275, 3276	Southern Lowland Wet Sclerophyll Forests <50%	3274_good	No	38	Bateman, Bungonia, Ettrema, Jervis and South East Coastal Ranges. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
	Southern Lowland Wet Sclerophyll Forests This includes PCT's: 3266, 3267, 3268, 3270, 3271, 3272, 3273, 3274, 3275, 3276	Southern Lowland Wet Sclerophyll Forests <50%	3274_Low	No	0	Bateman, Bungonia, Ettrema, Jervis and South East Coastal Ranges. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
	Southern Lowland Wet Sclerophyll Forests This includes PCT's: 3266, 3267, 3268, 3270, 3271, 3272, 3273, 3274, 3275, 3276	Southern Lowland Wet Sclerophyll Forests <50%	3274_exotic	No	0	Bateman, Bungonia, Ettrema, Jervis and South East Coastal Ranges. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
	Southern Lowland Wet Sclerophyll Forests This includes PCT's: 3266, 3267, 3268, 3270, 3271, 3272, 3273, 3274, 3275, 3276	Southern Lowland Wet Sclerophyll Forests <50%	3274_reg	No	75	Bateman, Bungonia, Ettrema, Jervis and South East Coastal Ranges. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.



## BAM Biodiversity Credit Report (Like for like)

<b>3275-South Coast Spotted Gum Cycad Dry Forest</b>	<b>Like-for-like credit retirement options</b>					
	Class	Trading group	Zone	HBT	Credits	IBRA region
	Southern Lowland Wet Sclerophyll Forests This includes PCT's: 3266, 3267, 3268, 3270, 3271, 3272, 3273, 3274, 3275, 3276	Southern Lowland Wet Sclerophyll Forests <50%	3275_good	Yes	311	Bateman, Bungonia, Ettrema, Jervis and South East Coastal Ranges. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
	Southern Lowland Wet Sclerophyll Forests This includes PCT's: 3266, 3267, 3268, 3270, 3271, 3272, 3273, 3274, 3275, 3276	Southern Lowland Wet Sclerophyll Forests <50%	3275_moderate	No	151	Bateman, Bungonia, Ettrema, Jervis and South East Coastal Ranges. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
	Southern Lowland Wet Sclerophyll Forests This includes PCT's: 3266, 3267, 3268, 3270, 3271, 3272, 3273, 3274, 3275, 3276	Southern Lowland Wet Sclerophyll Forests <50%	3275_low	No	496	Bateman, Bungonia, Ettrema, Jervis and South East Coastal Ranges. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.

## BAM Biodiversity Credit Report (Like for like)

	Southern Lowland Wet Sclerophyll Forests This includes PCT's: 3266, 3267, 3268, 3270, 3271, 3272, 3273, 3274, 3275, 3276	Southern Lowland Wet Sclerophyll Forests <50%	3275_Reg	Yes	46	Bateman, Bungonia, Ettrema, Jervis and South East Coastal Ranges. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
<b>4056-Southern Estuarine Swamp Paperbark Creekflat Scrub</b>	<b>Like-for-like credit retirement options</b>					
	Name of offset trading group	Trading group	Zone	HBT	Credits	IBRA region
	Swamp Oak Floodplain Forest of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions This includes PCT's: 1731, 3962, 3963, 3985, 3987, 3993, 4016, 4023, 4026, 4027, 4028, 4030, 4035, 4038, 4040, 4048, 4049, 4050, 4056	-	4056_good	No	65	Bateman, Bungonia, Ettrema, Jervis and South East Coastal Ranges. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.

## BAM Biodiversity Credit Report (Like for like)

	Swamp Oak Floodplain Forest of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions This includes PCT's: 1731, 3962, 3963, 3985, 3987, 3993, 4016, 4023, 4026, 4027, 4028, 4030, 4035, 4038, 4040, 4048, 4049, 4050, 4056	-	4056_Moderate_TEC	No	287	Bateman, Bungonia, Ettrema, Jarvis and South East Coastal Ranges. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.

### Species Credit Summary

Species	Vegetation Zone/s	Area / Count	Credits
<b>Myotis macropus</b> / Southern Myotis	<b>3274_Low, 3274_exotic, 3274_reg, 3275_good, 3275_moderate, 3275_low, 4056_good, 4056_Moderate_TEC, 3274_good</b>	55.2	1041.00
<b>Persicaria elatior</b> / Tall Knotweed	<b>4056_good, 4056_Moderate_TEC</b>	13.6	352.00

## BAM Biodiversity Credit Report (Like for like)

Credit Retirement Options			Like-for-like credit retirement options
Myotis macropus / Southern Myotis	Spp	IBRA subregion	
	Myotis macropus / Southern Myotis	Any in NSW	
Persicaria elatior / Tall Knotweed	Spp	IBRA subregion	
	Persicaria elatior / Tall Knotweed	Any in NSW	

## BAM Biodiversity Credit Report (Variations)

### Proposal Details

**Assessment Id**

00035044/BAAS18153/22/00035045

**Assessor Name**

Nigel A Cotsell

**Proponent Name(s)****Assessment Revision**

4

**BOS entry trigger**

BOS Threshold: Area clearing threshold

**Proposal Name**

Concept Approval Plan Modification\_Bevian Road\_Rosedale

**Assessor Number**

BAAS18026

**Report Created**

14/06/2024

**Assessment Type**

Part 4 Developments (General)

**BAM data last updated \***

14/03/2024

**BAM Data version \***

67

**BAM Case Status**

Finalised

**Date Finalised**

14/06/2024

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### 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

PCT Outside Ibra Added

None added

PCTs With Customized Benchmarks

## BAM Biodiversity Credit Report (Variations)

PCT

No Changes

Predicted Threatened Species Not On Site

Name

No Changes

### 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
3274-South Coast Spotted Gum Moist Forest	Not a TEC	21.7	0	113	113.00
3275-South Coast Spotted Gum Cycad Dry Forest	Not a TEC	68.9	357	647	1004.00
4056-Southern Estuarine Swamp Paperbark Creekflat Scrub	Swamp Oak Floodplain Forest of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions	13.6	0	352	352.00

#### 3274-South Coast Spotted Gum Moist Forest

#### Like-for-like credit retirement options

Class	Trading group	Zone	HBT	Credits	IBRA region
Southern Lowland Wet Sclerophyll Forests This includes PCT's: 3266, 3267, 3268, 3270, 3271, 3272, 3273, 3274, 3275, 3276	Southern Lowland Wet Sclerophyll Forests <50%	3274_good	No	38	Bateman, Bungonia, Ettrema, Jervis and South East Coastal Ranges. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.

## BAM Biodiversity Credit Report (Variations)

	Southern Lowland Wet Sclerophyll Forests This includes PCT's: 3266, 3267, 3268, 3270, 3271, 3272, 3273, 3274, 3275, 3276	Southern Lowland Wet Sclerophyll Forests <50%	3274_Low	No	0	Bateman,Bungonia, Ettrema, Jervis and South East Coastal Ranges. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
	Southern Lowland Wet Sclerophyll Forests This includes PCT's: 3266, 3267, 3268, 3270, 3271, 3272, 3273, 3274, 3275, 3276	Southern Lowland Wet Sclerophyll Forests <50%	3274_exotic	No	0	Bateman,Bungonia, Ettrema, Jervis and South East Coastal Ranges. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
	Southern Lowland Wet Sclerophyll Forests This includes PCT's: 3266, 3267, 3268, 3270, 3271, 3272, 3273, 3274, 3275, 3276	Southern Lowland Wet Sclerophyll Forests <50%	3274_reg	No	75	Bateman,Bungonia, Ettrema, Jervis and South East Coastal Ranges. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
	<b>Variation options</b>					
	Formation	Trading group	Zone	HBT	Credits	IBRA region
	Wet Sclerophyll Forests (Grassy sub-formation)	Tier 4 or higher threat status	3274_good	No	38	IBRA Region: South East Corner, or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.

## BAM Biodiversity Credit Report (Variations)

	Wet Sclerophyll Forests (Grassy sub-formation)	Tier 4 or higher threat status	3274_Low	No	0	IBRA Region: South East Corner, or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
	Wet Sclerophyll Forests (Grassy sub-formation)	Tier 4 or higher threat status	3274_exotic	No	0	IBRA Region: South East Corner, or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
	Wet Sclerophyll Forests (Grassy sub-formation)	Tier 4 or higher threat status	3274_reg	No	75	IBRA Region: South East Corner, or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
<b>3275-South Coast Spotted Gum Cycad Dry Forest</b>	<b>Like-for-like credit retirement options</b>					
	<b>Class</b>	<b>Trading group</b>	<b>Zone</b>	<b>HBT</b>	<b>Credits</b>	<b>IBRA region</b>
	Southern Lowland Wet Sclerophyll Forests This includes PCT's: 3266, 3267, 3268, 3270, 3271, 3272, 3273, 3274, 3275, 3276	Southern Lowland Wet Sclerophyll Forests <50%	3275_good	Yes	311	Bateman,Bungonia, Ettrema, Jervis and South East Coastal Ranges. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
	Southern Lowland Wet Sclerophyll Forests This includes PCT's: 3266, 3267, 3268, 3270, 3271, 3272, 3273, 3274, 3275, 3276	Southern Lowland Wet Sclerophyll Forests <50%	3275_moderate	No	151	Bateman,Bungonia, Ettrema, Jervis and South East Coastal Ranges. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.



## BAM Biodiversity Credit Report (Variations)

	Southern Lowland Wet Sclerophyll Forests This includes PCT's: 3266, 3267, 3268, 3270, 3271, 3272, 3273, 3274, 3275, 3276	Southern Lowland Wet Sclerophyll Forests <50%	3275_low	No	496	Bateman,Bungonia, Ettrema, Jervis and South East Coastal Ranges. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
	Southern Lowland Wet Sclerophyll Forests This includes PCT's: 3266, 3267, 3268, 3270, 3271, 3272, 3273, 3274, 3275, 3276	Southern Lowland Wet Sclerophyll Forests <50%	3275_Reg	Yes	46	Bateman,Bungonia, Ettrema, Jervis and South East Coastal Ranges. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
	<b>Variation options</b>					
	Formation	Trading group	Zone	HBT	Credits	IBRA region
	Wet Sclerophyll Forests (Grassy sub-formation)	Tier 4 or higher threat status	3275_good	Yes (including artificial)	311	IBRA Region: South East Corner, or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
	Wet Sclerophyll Forests (Grassy sub-formation)	Tier 4 or higher threat status	3275_moderate	No	151	IBRA Region: South East Corner, or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
	Wet Sclerophyll Forests (Grassy sub-formation)	Tier 4 or higher threat status	3275_low	No	496	IBRA Region: South East Corner, or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.

## BAM Biodiversity Credit Report (Variations)

	Wet Sclerophyll Forests (Grassy sub-formation)	Tier 4 or higher threat status	3275_Reg	Yes (including artificial)	46	IBRA Region: South East Corner, or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
<b>4056-Southern Estuarine Swamp Paperbark Creekflat Scrub</b>	<b>Like-for-like credit retirement options</b>					
	Class	Trading group	Zone	HBT	Credits	IBRA region
	Swamp Oak Floodplain Forest of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions This includes PCT's: 1731, 3962, 3963, 3985, 3987, 3993, 4016, 4023, 4026, 4027, 4028, 4030, 4035, 4038, 4040, 4048, 4049, 4050, 4056	-	4056_good	No	65	Bateman, Bungonia, Ettrema, Jervis and South East Coastal Ranges. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
	Swamp Oak Floodplain Forest of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions This includes PCT's: 1731, 3962, 3963, 3985, 3987, 3993, 4016, 4023, 4026, 4027, 4028, 4030, 4035, 4038, 4040, 4048, 4049, 4050, 4056	-	4056_Moderate_TEC	No	287	Bateman, Bungonia, Ettrema, Jervis and South East Coastal Ranges. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.

## BAM Biodiversity Credit Report (Variations)

4056-Southern Estuarine Swamp Paperbark Creekflat Scrub	Variation options					
	Formation	Trading group	Zone	HBT	Credits	IBRA region
	Forested Wetlands	Tier 3 or higher threat status	4056_good	No	65	IBRA Region: South East Corner, or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
	Forested Wetlands	Tier 3 or higher threat status	4056_Moderate_TEC	No	287	IBRA Region: South East Corner, or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.

### Species Credit Summary

Species	Vegetation Zone/s	Area / Count	Credits
<b>Myotis macropus</b> / Southern Myotis	<b>3274_Low, 3274_exotic, 3274_reg, 3275_good, 3275_moderate, 3275_low, 4056_good, 4056_Moderate_TEC, 3274_good</b>	55.2	1041.00
<b>Persicaria elatior</b> / Tall Knotweed	<b>4056_good, 4056_Moderate_TEC</b>	13.6	352.00

### Credit Retirement Options Like-for-like options

Myotis macropus/ Southern Myotis	Spp		IBRA region
	Myotis macropus/Southern Myotis		Any in NSW
	Variation options		
	Kingdom	Any species with same or	IBRA region

## BAM Biodiversity Credit Report (Variations)

		higher category of listing under Part 4 of the BC Act shown below	
	Fauna	Vulnerable	Bateman, Bungonia, Ettrema, Jervis and South East Coastal Ranges. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.
<b>Persicaria elatior</b> / Tall Knotweed	Spp		IBRA region
	<b>Persicaria elatior</b> /Tall Knotweed		Any in NSW
	<b>Variation options</b>		
	Kingdom	Any species with same or higher category of listing under Part 4 of the BC Act shown below	IBRA region
	Flora	Vulnerable	Bateman, Bungonia, Ettrema, Jervis and South East Coastal Ranges. or Any IBRA subregion that is within 100 kilometers of the outer edge of the impacted site.