



Planning,  
Industry &  
Environment

# Release notes - Upgrades to the BAM Calculator

Information for Accredited Assessors

July 2019

# Ability to identify where a security benefit score does not apply on a Stewardship Site

Vegetation zones [Future vegetation integrity (VI) score, with management]

#	PCT code	Condition class	Vegetation zone name	Patch Size	Management zone	Area (ha)	Composition condition score	Structure condition score	Function condition score	VI score	CL or conservation obligation	Security Benefit Score	Change in VI score	Total Change in VI score
1	778	Good	778_Good	20		1	71.4	76.9	97.8	81.3	<input checked="" type="checkbox"/>	...	33.7	33.7



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Assessors can now select a checkbox indicating that the Stewardship Site comprises Crown Land or has an existing conservation obligation applied to a vegetation zone.

This will automatically remove the Security Benefit Score from the 'Future vegetation integrity (VI) score, with management' calculation (Equation 28 - page 96 of the BAM).

# Update to all BAM-C report headers

Report headers updated to include:  
1. BAM case status (Open/Submitted/Finalised);  
2. Assessment revision number;  
3. Assessment type;  
4. Date finalised (if not finalised this will display 'To be finalised').



## BAM Biodiversity Credit Report (Like for like)

### Proposal Details

Assessment Id 00015337/BAAS32324/19/00015896	Proposal Name Upgrade Test	BAM data last updated * 28/06/2019
Assessor Name BAAS Assessor	Assessor Number BAAS32324	BAM Data version * 14
Proponent Names	Report Created 02/07/2019	BAM Case Status Finalised
Land Holder	Assessment Type Part 4 Developments (General)	Date Finalised 02/07/2019
Assessment Revision 1		



### Potential Serious and Irreversible Impacts

Nil

\* 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.

### Species

**Miniopterus schreibersii oceanensis** / Eastern Bentwing-bat

### Additional Information for Approval

PCTs With Customized Benchmarks  
No Changes

Assessment Id  
00015337/BAAS32324/19/00015896

Proposal Name  
Upgrade Test

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Report footers also updated

Once the assessment has been finalised in the BAM-C, the case is locked in BOAMS and the credit report is available for download. You will then need to submit the BDAR (and credit reports) with the DA to Council within 14 days of finalising the assessment (in accordance with Section 6.15 of the BC Act).

# Quick access to identify species with specific survey requirements

The screenshot shows the 'BAM Calculator' web application. At the top, there is the NSW Government logo and the title 'BAM Calculator'. A navigation bar contains buttons for 'OPEN', 'SAVE', 'SAVE AS NEW VERSION', 'CANCEL', 'DELETE', 'MODIFY AND FINALISE', and 'PRINT'. A user ID '00015337/BAA5324/19/00015896 / Revision: 1' and a 'LOGOUT' button are also visible. A progress bar shows steps from '1. Assessment details' to '8. Price'. The main content area is titled 'Welcome to the Biodiversity Assessment Calculator' and includes a 'START NOW' button. A 'Disclaimer' section is also present. A blue speech bubble highlights a 'Species with specific survey requirements' download link, which is shown in a red-bordered inset. The inset shows a table with columns for species names and their specific survey requirements, with a 'DOWNLOAD' button below it.

New downloadable excel spreadsheet 'Species with specific survey requirements' on information page of the BAM Calculator.

This information is to assist assessors identify entities that are generally difficult to identify, are cryptic or have life history characteristics that mean they are not always present above ground.

This information is also located in the 'General Notes' field of the species profile in the Threatened Biodiversity Data Collection (TBDC).



# Ability to identify vagrant species and/or degraded habitats – predicted and candidate species

1. Assessment details [↗](#) 2. Site context [↗](#) 3. Vegetation [↗](#) 4. Habitat suitability [↗](#) 5. Habitat survey [↗](#) 6. Credits [↗](#) 7. Credit classes [↗](#) 8. Price [↗](#)

Predicted threatened species (Ecosystem credits)

Species ⓘ	Habitat constraints	Geographic limitations	Species is vagrant ⓘ	Veg Zone - Confirmed predicted species * ⓘ	Sensitivity to gain class ⓘ	BC Act listing status	EPBC Act listing status.
<i>Anthochaera phrygia</i> Regent Honeyeater (Foraging)	--	--	<input type="checkbox"/>	778_Good	Yes ▾	High Sensitivity to Potential Gain	Critically Endangered
<i>Artamus cyanopterus cyanopterus</i> Dusky Woodswallow	--	--	<input type="checkbox"/>	778_Good	Yes ▾	Moderate Sensitivity to Potential Gain	Vulnerable
<i>Callocephalon fimbriatum</i> Crested Shrike Thrush	--	--	<input type="checkbox"/>	778_Good	Yes ▾	Moderate Sensitivity to Potential Gain	Vulnerable

SEARCH PREDICTED SPECIES



New 'Species is vagrant' checkbox added to Tab 4. Habitat suitability for Predicted threatened species (Ecosystem credits). This is to allow assessors to identify species that are vagrant in accordance with BAM Section 6.4.1.14. Selecting this checkbox will default that species to 'No' for the 'Veg Zone – Confirmed predicted species' column.

# Ability to identify vagrant species and/or degraded habitats – candidate species only

Candidate threatened species (Species credits)

Species	Habitat constraints	Habitat degraded ⓘ	Geographic limitations	Species is vagrant ⓘ	Confirmed candidate species ⓘ	Sensitivity to gain class	BC Act listing status	EPBC Act listing status.
<i>Anthochaera phrygia</i> Regent Honeyeater (Breeding)	<input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> As per mapped areas	<input type="checkbox"/>	--	<input type="checkbox"/>	No	High Sensitivity to Potential Gain	Critically Endangered	Critically Endangered
<i>Callocephalon fimbriatum</i> Gang-gang Cockatoo (Breeding)	<input checked="" type="checkbox"/> Hollow bearing trees <input checked="" type="checkbox"/> Eucalypt tree species with hollows greater than 9 cm diameter	<input type="checkbox"/>	--	<input type="checkbox"/>	No	High Sensitivity to Potential Gain	Vulnerable	Not Listed

SEARCH CANDIDATE SPECIES



New 'Species is vagrant' and 'Habitat degraded' checkbox added to Tab 4. Habitat suitability for Candidate threatened species (Species credits). This allows assessors to identify species that are vagrant (BAM Section 6.4.1.14) or where the habitat is degraded (BAM Section 6.4.1.17). Selecting either checkbox will default that species to 'No' for the 'Confirmed candidate species' column.

This functionality will also provide the consent authority with information on how some predicted and candidate threatened species have been assessed.

# Ability to identify a lead assessor

## Edit Case Party

### Individual Assessor Details

Salutation --None--	First Name
Middle Names	Last Name BAAS Assessor
Phone	Person Email boamststoeh@outlook.com
Mobile	Case 00015896
Fax	* Role Assessor
Preferred contact method --None--	* Assessor accreditation number BAAS32324
Show Contact Details in Public Register <input type="checkbox"/>	Current Owner <input checked="" type="checkbox"/>

### Street Address

Street Number	Street Name
City/Town	State
Postcode	

### Mailing Address

Use street address as mailing address?

Mailing Street Number	Mailing Street Name
City/Town	Mailing State

Cancel Save & New Save



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You can now nominate a lead assessor. They will appear on all BAM-C reports. You have to add the assessor as a case party and select the 'Current Owner' checkbox in BOAMS to nominate them as the case owner.

# Ability to identify corporation landholders

## New Case Party

Select a record type

- Individual Landholder
- Assessor
- Contact Person
- Corporation Landholder
- Credit Buyer
- Interest Holders

Cancel

Next

You can now add a corporation landholder as a case party in BOAMS to the parent case. The name of the corporation will appear under the 'Proponent Names' heading on all BAM-C reports.



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# Fix – Management zone areas calculation error

Plant community types (PCT) & ecological communities

Formation *	Class *	Plant community type *	PC	Act listing	EPBC Act listing status	Action	Delete
Dry Sclerophyll Forests (Shrub/grass sub-formation)	Hunter-Macleay Dry Sclerophyll Forests	922 - Melaleuca decora low forest of the central Hunter Valley, Sydney Basin Bioregion	60				

**Alert**

Total management zone area should match the vegetation zone area of 3.28ha.

Area \*:

Total vegetation area size = 3.28 ha

Name *	Area (ha) *	Remove
MZ 1	2.93	<input type="button" value="X"/>
MZ4	0.35	<input type="button" value="X"/>

Vegetation zones (Current vegetation integrity sc

Vegetation

#

1



An error message was appearing for certain combinations of management zone areas despite the total area matching the vegetation zone. This issue has now been resolved.

# Fix – Plot deletion error

**Zone composition data** RECALCULATE OK

Composition condition score: 100

Plots Calculation results

Item	Tree *	Shrub *	Grass & grass like *	Forb *	Fern *	Other *
Plot 1	5	12	11	11	2	5
Plot 2	3	4	8	10	1	7
Plot 3						
Plot 4						



The BAM-C was deleting extra plots for a vegetation zone above the minimum number of plots required as per Table 4 of the BAM (page 16). This issue has now been resolved and extra plots for a vegetation zone will not automatically be deleted when the user reduces the size of the vegetation zone.