



DEPARTMENT OF PLANNING, INDUSTRY & ENVIRONMENT

BOS Support for Assessors & Local Government

A series of webinars to support accredited BAM assessors and Local Government in the Biodiversity Offsets scheme



For more information, go to the [BOS Support webinar webpage](#) or contact us via the [BOS Online Enquiry Form](#)



Department of Planning, Industry and Environment

BOS SUPPORT WEBINAR

Biodiversity Offsets Scheme

Support for Local Government

Tuesday 26th May 2020
11:00am-12:00pm



John Seidel
A/Manager
Ecosystem Assessment



Jane Eales
Project Officer
Ecosystem Assessment

For more information, go to the LG resource page www.environment.nsw.gov.au/topics/animals-and-plants/biodiversity/local-government-resources or contact us at www.environment.nsw.gov.au/topics/animals-and-plants/biodiversity/biodiversity-offsets-scheme/biodiversity-offsets-scheme-support



Overview

TIME	ITEM	DESCRIPTION	DURATION
11:00	Introduction	Acknowledgment of Country Introduction and house keeping	5 mins
11:10	Content Presentation	1. Roles and responsibilities 2. BOS Support webinar series 3. Other support resources	25 mins
11:35	Q & A session	Presenter and SME panel address participants' questions	25 mins
11:55	Wrap-up and Close	Upcoming sessions Access to recordings Webinar feedback	5 mins

Note: BOS Support webinars are recorded and published for future use

Craven Grey Box (*Eucalyptus largeana*)
Image source: Paul Hillier/DPIE



BOS roles and responsibilities

Rule maker	Administrator and regulator	Market intermediary	Accredited assessor	Consent authority	Landholder	Developer
<p>Who?</p> <p>Minister for Environment, Parliament and Environment, Energy & Science (EES)</p> <p>What do they do?</p> <ul style="list-style-type: none"> • Create, review and improve legislation and policy for the scheme 	<p>Who?</p> <p>Environment, Energy & Science (EES)</p> <p>What do they do?</p> <ul style="list-style-type: none"> • BOS governance • BAM implementation • Biodiversity credit market - credit transfers and retirement • Assessment and pricing systems and tools • Data and information – BioNet and PCT classification • Accredited assessors scheme • Engagement and capacity building • Strategic audit and compliance 	<p>Who?</p> <p>Biodiversity Conservation Trust</p> <p>What do they do?</p> <ul style="list-style-type: none"> • Facilitate credit supply – establish and manage Biodiversity Stewardship Agreements • Manage payments into the Biodiversity Conservation Fund and deliver offsets • Manage Biodiversity Stewardship Payments Fund • Place-based offset schemes 	<p>Who?</p> <p>Ecological consultants accredited by ESS</p> <p>What do they do?</p> <ul style="list-style-type: none"> • Assess biodiversity impacts at development and stewardship sites and submit reports • Advise developers and landholders 	<p>Who?</p> <p>Local councils, Minister for Planning and DPIE and Part 5 authorities</p> <p>What do they do?</p> <ul style="list-style-type: none"> • Determine development applications and set offset obligations • Compliance with conditions of consent 	<p>Who?</p> <p>Private landholders, local councils and NSW Government agencies</p> <p>What do they do?</p> <ul style="list-style-type: none"> • Generate credits by managing land under a Biodiversity Stewardship Agreement 	<p>Who?</p> <p>Local development, major projects, Part 5 authorities, Vegetation SEPP clearing and biodiversity certification</p> <p>What do they do?</p> <ul style="list-style-type: none"> • Avoid, minimise and offset the biodiversity impacts of development and clearing



Support for LG - transitioning

- Regional LG Support Officer program wrapping up
- Range of knowledge and experience within LG
- Entry level information on DPIE's website

<https://www.environment.nsw.gov.au/topics/animals-and-plants/biodiversity/biodiversity-offsets-scheme>

- Priority deliverables
- Requests and suggestions welcome

<https://www.environment.nsw.gov.au/topics/animals-and-plants/biodiversity/biodiversity-offsets-scheme/biodiversity-offsets-scheme-support>



Transitioning to the new Biodiversity Offsets Scheme

There are arrangements in place to support a smooth transition from the former legislation to the new framework established under the BC Act.

See **Transitional arrangements** for more information.

Scheme participant information

For **developers** (undertaking clearing)

For **landholders** (establishing biodiversity stewardship sites)

For **local government**

For **accredited assessors**

For **brokers**

How the Biodiversity Offsets Scheme works

The Biodiversity Offsets Scheme is a framework to avoid, minimise and offset impacts on biodiversity from development and clearing, and to ensure land that is used to offset impacts is secured in-perpetuity.

There are 2 key elements to the Biodiversity Offsets Scheme



The BOS Support Webinar Series

www.environment.nsw.gov.au/topics/animals-and-plants/biodiversity/accredited-assessors/biodiversity-assessment-method-support-webinars



- Guidance on the application of the BOS and the BAM
- Support in using the associated systems, tools and data
- Updates on new and emerging matters relating to the BOS and the BAM
- A regular forum for discussion on BOS and BAM with staff

BAM SUPPORT WEBINAR 3
BOAMS and BAM Calculator system support



BAM SUPPORT WEBINAR 6
Eastern NSW revised PCT classification update and tools to assist with PCT identification



Elizabeth Magarey
Senior Scientist
Vegetation Ecology and Classification
Department of Planning, Industry and Environment

Thursday 5th December 2019
12:00pm - 1:00pm



For more information, go to the [BAM Support Webinar webpage](#) or contact us via the [BOS Online Enquiry Form](#)

BAM SUPPORT WEBINAR 7
Important mapped areas and landholder initiated review of the Biodiversity Values Map

BAM SUPPORT WEBINAR 8
Catastrophic bushfire and the assessment of biodiversity values: guidance on applying the BAM to severely burnt sites



How does the BOS scheme work? (02:35)

Biodiversity conservation trust role in BOS (28:27)

Q & A (34:00)



Holly Park

John Seidel

Wednesday 18th
12:00pm - 1:00pm



43:11

DPIE: NSW Biodiversity Offset scheme



Resources to support LG

Topics > Animals and plants > Biodiversity conservation
> Local government resources



Local government resources for biodiversity conservation and management

Local government is a key partner in the conservation and management of biodiversity and threatened species in New South Wales.

<https://www.environment.nsw.gov.au/topics/animals-and-plants/biodiversity/local-government-resources>

Local government resources



- Implementation support
- Lodging an offset obligation
- Seeking concurrence for a reduced credit obligation
- Questions and answers

7

Guidance

The Department has prepared a range of guidance materials to support councils to implement the biodiversity reforms.

- Biodiversity Offsets Scheme: local government updates
- Bulletins
- Practice notes



Planning, Industry & Environment



In this Biodiversity Offsets Scheme Local Government Update

- Mailing list subscriptions and Local Government (LG) Resources web page
- Test of Significance in the context of rebuilding from bushfire

Biodiversity Offsets Scheme Local Government Updates

Subscribe to the BOS Local Government updates mailing list and receive regular updates for local government on implementing the biodiversity offset scheme.

SUBSCRIBE



Questions and Answers

Local government resources

Implementation support

Lodging an offset obligation

Seeking concurrence for a reduced credit obligation

Questions and answers

For local government

<https://www.environment.nsw.gov.au/topics/animals-and-plants/biodiversity/local-government-resources/questions-and-answers>

For Assessors

<https://www.environment.nsw.gov.au/topics/animals-and-plants/biodiversity/accredited-assessors/assessor-questions-and-answers>

Biodiversity reform: your questions answered

We have identified some common questions asked by councils about the biodiversity reforms and our answers are below.

If your questions are not answered here, refer to **Biodiversity Offsets Scheme support**.

The Biodiversity Offset Scheme threshold



Assessment pathway



Development control plans and the State Environmental Planning Policy (Vegetation in Non-Rural Areas) 2017



Decision making



Compliance



The Biodiversity Conservation Trust and Biodiversity Stewardship Agreements



Other questions





Contact points for advice

- Biodiversity Offsets Scheme (BOS) support

<https://www.environment.nsw.gov.au/topics/animals-and-plants/biodiversity/biodiversity-offsets-scheme/biodiversity-offsets-scheme-support>

- Advice on BDARs –EES regional planning teams

<https://www.environment.nsw.gov.au/topics/aboriginal-cultural-heritage/protect-and-manage/impact-permits/regional-office-contacts>

- Accreditation, including assessor feedback

BAM_accreditation@environment.nsw.gov.au

Considerations -

www.environment.nsw.gov.au/topics/animals-and-plants/biodiversity/accredited-assessors

- Biodiversity Conservation Trust (BCT) - email

info@bct.nsw.gov.au or phone 1300 992 688

Biodiversity Offsets Scheme support

Need help?

Use this form if you need support or want more information about the Biodiversity Offsets Scheme. You can also use it to send us your feedback.

The form replaces the Land Management and Biodiversity Conservation (LMBC) Service Centre.

Your enquiry will be sent directly to the appropriate team and actioned.

Biodiversity Offsets Scheme enquiry form

Your enquiry relates to*

... Please Select ...

What would you like to ask about**

... Please Select ...

Tell us more:

Upload a document:

Choose File No file chosen

Your details

First name:*

Surname:*

Email:*

Phone:*

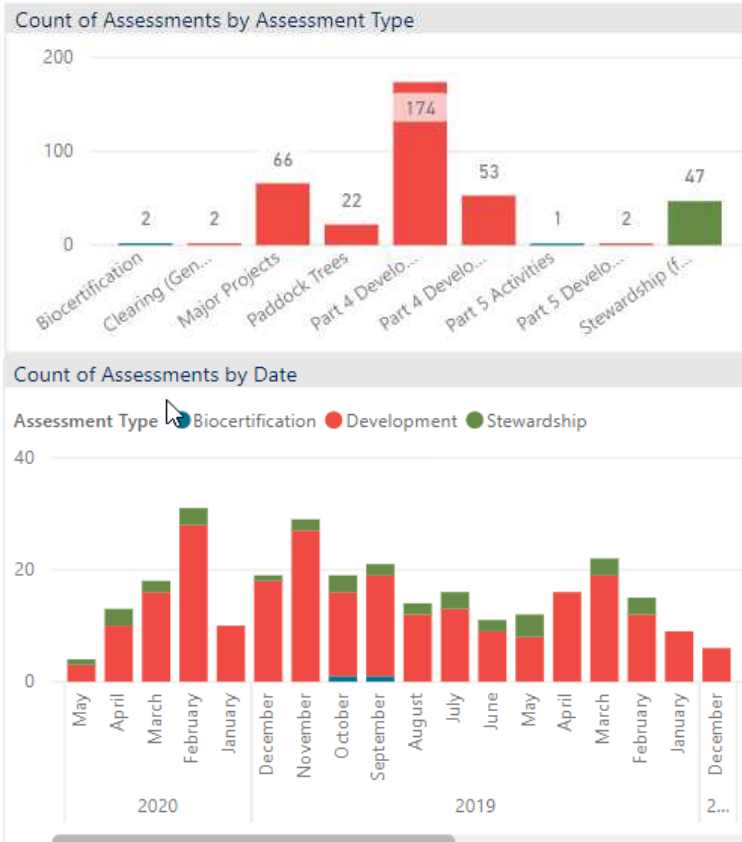
Submit Reset

Privacy Terms



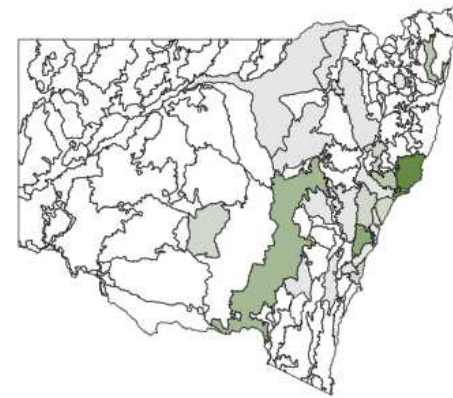
Where is implementation up to?

Number of completed BAM assessments – 13th May

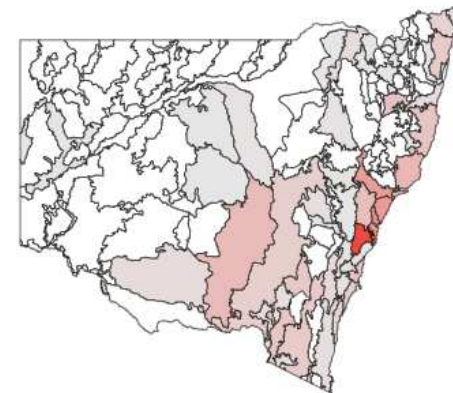


10

Count of Stewardship Assessments by IBRA Subregion



Count of Development Assessments by IBRA Subregion





Assessment bilateral agreement

Streamlining NSW and Australian Government Biodiversity Assessments

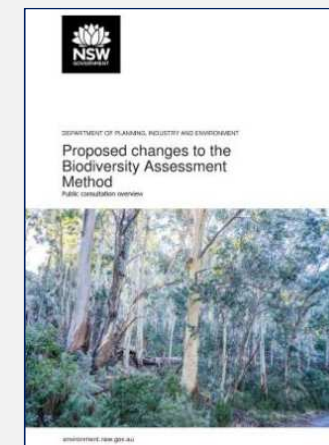
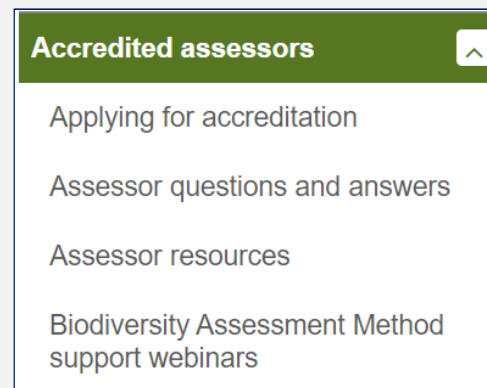
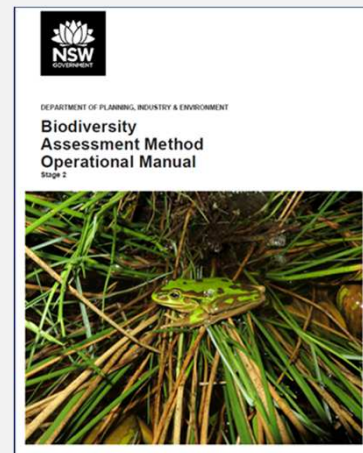
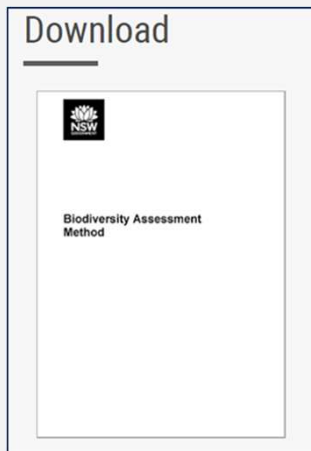
The NSW Government and Australian Government have now finalised amendments to the Assessment Bilateral Agreement after changes to NSW legislation. The Australian Government has also formally endorsed the NSW Biodiversity Offsets Scheme through the Environment Protection and Biodiversity Conservation Act Condition-setting Policy.

<https://www.environment.nsw.gov.au/topics/animals-and-plants/biodiversity/assessment-bilateral-agreement>



Biodiversity Assessment Method and Operational Manuals

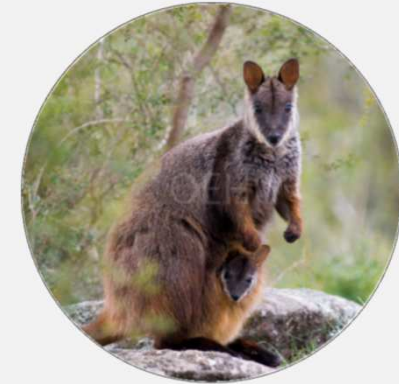
- www.environment.nsw.gov.au/topics/animals-and-plants/biodiversity/biodiversity-assessment-method
- Accredited assessor resources
- www.environment.nsw.gov.au/topics/animals-and-plants/biodiversity/accredited-assessors
- The BAM is being revised to make it easier to understand and apply including new streamlined assessment options.
- www.environment.nsw.gov.au//topics/animals-and-plants/biodiversity/biodiversity-assessment-method/consultation-on-proposed-changes



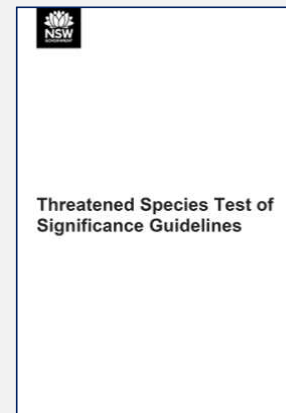
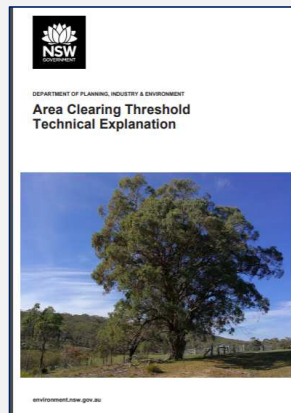


BOS entry requirements

- www.environment.nsw.gov.au/topics/animals-and-plants/biodiversity/biodiversity-offsets-scheme/entry-requirements
- Entry pathways and triggers
- Biodiversity Values Map threshold
- Area clearing threshold
- Threatened species ‘test of significance’
- <https://www.environment.nsw.gov.au/topics/animals-and-plants/biodiversity/biodiversity-offsets-scheme/entry-requirements/threatened-species-test-of-significance>



Minimum lot size associated with the property	Threshold for clearing, above which the BAM and offsets scheme apply
Less than 1 ha	0.25 ha or more
1 ha to less than 40 ha	0.5 ha or more
40 ha to less than 1000 ha	1 ha or more
1000 ha or more	2 ha or more






Biodiversity Values Map and Threshold Tool (BMAT)

- BV Map is updated quarterly
- Version 10 scheduled for 27 May 2020
- New layers display in a different colour for 90 days

• www.lmbc.nsw.gov.au/Maps/index.html?viewer=BOSETMap



BAM Calculator (BAM-C) – reviewing the case



BAM Calculator

App last updated: 19/11/2019 (Version: 1.2.7.3)
BAM data last updated *: 5/05/2020 (Version: 26) * Disclaimer

OPEN SAVE SAVE AS NEW VERSION CANCEL DELETE FINALISE PRINT -

LOGOUT USER

00020365/BAAS01234/20/00020366 / Revision: 0

1. Assessment details 2. Site context 3. Vegetation 4. Habitat suitability 5. Habitat survey 6. Credits 7. Credit classes 8. Price

Welcome to the Biodiversity Assessment Calculator

The 'OEH BAM Calculator' is an online application of the Biodiversity Assessment Method (BAM). The calculator uses the rules and calculations outlined in the BAM, and allows the user to apply the BAM at a site and observe the results of the assessment.

The BAM and the calculator provides:

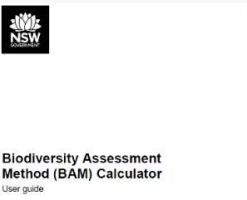
- a consistent method for the assessment of the impact on biodiversity on a proposed development or major project, or clearing site
- a scientific and repeatable calculation of how the biodiversity impacts need to be the offset for biodiversity impacts (quantified as biodiversity credits) as required to achieve a standard of 'no net loss' of biodiversity
- a consistent method for the assessment of the biodiversity values of a stewardship site and how those values will change under conservation management

Biodiversity Assessment Calculator

By using this Biodiversity Assessment Calculator, you agree to the terms and conditions as specified by the disclaimer below.

START NOW

Biodiversity Assessment Method Calculator User Guide



Biodiversity Assessment Method (BAM) Calculator
User guide



Reviewing the BDAR

BAM Biodiversity Credit Report (Like for like)

Proposal Details

Assessment Id 00020367/BAAS01234/20/00020368	Proposal Name Sunview Subdivision	BAM data last updated * 05/05/2020
Assessor Name EABAM ASSESSOR	Assessor Number BAAS01234	BAM Data version * 26
Proponent Names Dave Developer	Report Created 20/05/2020	BAM Case Status Finalised
Assessment Revision 0	Assessment Type Part 4 Developments (General)	Date Finalised 20/05/2020

Potential Serious and Irreversible Impacts

* 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.

Name of threatened ecological community	Listing status	Name of Plant Community Type/ID
White Box Yellow Box Blakely's Red Gum Woodland	Endangered Ecological Community	496-Yellow Box - White Box - Silvertop Stringybark - Blakely's Red Gum grass shrub woodland mainly on the Liverpool Range, Brigalow Belt South Bioregion


Nil

Some key questions

- Is the case showing status of finalised
- Are their potential SAI associated with the proposal
- Use of assessor judgement or local data?
 - Predicted species removed?
 - Species credit species removed?
 - PCT benchmarks amended?




Support for reviewing a BDAR



DEPARTMENT OF PLANNING, INDUSTRY & ENVIRONMENT

Guidance for local government on undertaking a critical review of a Biodiversity Development Assessment Report



environment.nsw.gov.au



DEPARTMENT OF PLANNING, INDUSTRY & ENVIRONMENT

Guidance to assist a decision-maker to determine a serious and irreversible impact



environment.nsw.gov.au

List of threatened entities

Ecological communities	Principle			
	1	2	3	4
Agnes Banks Woodland in the Sydney Basin Bioregion	✓	✓	✓	
<i>Allocasuarina luehmannii</i> Woodland in the Riverina and Murray-Darling Depression Bioregions	✓	✓		
Araluen Scarp Grassy Forest in the South East Corner Bioregion				✓
Artesian Springs Ecological Community in the Great Artesian Basin		✓	✓	
Blue Gum High Forest in the Sydney Basin Bioregion	✓	✓	✓	
Blue Mountains Basalt Forest in the Sydney Basin Bioregion				✓
Brigalow within the Brigalow Belt South, Nandewar and Darling Riverine Plains Bioregions	✓		✓	
Byron Bay Dwarf Graminoid Clay Heath Community				✓
Cooks River/Castlereagh Ironbark Forest in the Sydney Basin Bioregion	✓	✓		
Coolac-Tumut Serpentine Shrubby Woodland in the NSW South Western Slopes and South Eastern Highlands Bioregions		✓	✓	
Cumberland Plain Woodland in the Sydney Basin Bioregion	✓	✓		
Dry Rainforest of the South East Forests in the South East Corner Bioregion				✓
Duffys Forest Ecological Community in the Sydney Basin Bioregion	✓			
Eastern Suburbs Banksia Scrub in the Sydney Basin Bioregion	✓	✓	✓	



Biodiversity Offsets and Agreement Management System (BOAMS)

- BOAMS is the system used to administer the scheme
- **Council User access is not mandatory**
- Provides access to BAM-C calculations, attachments (including shapefiles), credit reports, proponent details
- Online access to view the workings in the BAM-C
- Council can complete the approval of the BDAR and offset obligation, or request for concurrence details and changes to the final offset obligation

- <https://www.environment.nsw.gov.au/topics/animals-and-plants/biodiversity/biodiversity-offsets-scheme/biodiversity-offsets-and-agreement-management-system>



BOAMS – Local Government access

Home CASES CREDIT HOLDINGS/O...

Welcome back Bonny Lakes (C-011598) !
You had last logged in on : 20/05/2020.

The first step in the process is to complete your profile - [Go to Profile](#)
 Please go through FAQ's to make your online experience better.

My Profile

My Development/Clearing Assessment Cases

FAQ

News

Planning, Industry & Environment

Release notes –
Consent Authority
user access to
BOAMs, March
2020

Information for Accredited Assessors



Lodging an offset obligation with DPIE

<https://www.environment.nsw.gov.au/topics/animals-and-plants/biodiversity/local-government-resources/lodging-an-offset-obligation>



Lodging an offset obligation

The Department of Planning, Industry and Environment is monitoring the operation of the Biodiversity Offsets Scheme, including measuring biodiversity losses and gains across the scheme.

The Department is asking all decision makers to provide notification of the determination of every development or activity to which the Biodiversity Offsets Scheme applies.

Decision makers include local councils, Part 5 authorities and the Native Vegetation Panel.

The notification process is:

- the decision maker downloads and fills in the form **Biodiversity Offsets Scheme – Notification of Determination (DOCX 89KB)**
- the decision maker emails the completed form and attachments, including a copy of the determination and any conditions of approval, to bam.support@environment.nsw.gov.au
determination outcomes will be recorded in the Biodiversity Offset and Agreement Management System.

Department of Planning, Industry and Environment
Biodiversity Offsets Scheme – Notification of Determination

Assessment ID (from credit report)	<input type="text"/>
Proponent name	<input type="text"/>
Development assessment (DA) number	<input type="text"/>
Consent authority contact	<input type="text"/>
Consent authority phone number	<input type="text"/>
Local Government Area	<input type="text"/>

If the offset obligations approved by the consent authority do not vary from the credit requirements determined by the Biodiversity Assessment Method (BAM), please **attach a copy** of the BAM Biodiversity Credit Report. The BAM Biodiversity Credit Report will be incorporated in the Biodiversity Development Assessment Report (BDAR).

If the approved offset obligations vary from the BAM Biodiversity Credit Report, please:

- → attach a copy of the BAM Biodiversity Credit Report (variation), which will be incorporated in the BDAR
- → attach a copy of the determination with conditions of consent
- → answer the following questions

Was the offset obligation decreased? Yes No



BOS Public Registers

www.environment.nsw.gov.au/topics/animals-and-plants/biodiversity/biodiversity-offsets-scheme/public-registers and

www.environment.nsw.gov.au/bimsprapp/BiobankingPR.aspx



Registers of:

- Credit supply
- Credit demand
- Transactions
- Accredited assessors
- Private land conservation agreements

	A	B	C	D	E	F	G	H	
1	Biodiversity Offset								
2	Credit Demand Report								
3	Date and Time Extracted: 4/07/2019 1:00 PM								
4	Credit Class ID	Credit status	Number of credits	IBRA Subregion	IBRA Region	Ecosystem or Species	PCT ID	Plant Community Type	Common Name
5	CR-1197	Pending Review	1	Pittwater	Sydney Basin	Ecosystem	1833	Lilly Pilly - Cabbage Tree Palm littoral rainforest on escarpment slopes and gullies of the Sydney basin	Ra
6	a0P7F000004zAJZ	Credit Wanted	6	Murrumbidgee	Riverina	Ecosystem	16	Black Box grassy open woodland wetland of rarely flooded depressions in south western NSW (mainly Riverina Bioregion and Murray Darling Depression Bioregion)	
7	a0P7F000004zAJa	Credit Wanted	5	Murrumbidgee	Riverina	Ecosystem	28	White Cypress Pine open woodland of sand plains, prior streams and dunes mainly of the semi-arid (warm) climate zone	
8	a0P7F000004zALu	Credit Wanted	18	Clarence Lowlands	South Eastern Queensland	Ecosystem	682	Blackbutt - bloodwood dry heathy open forest on Quaternary sands of the northern NSW North Coast Bioregion	
9	a0P7F000004zALw	Credit Wanted	25	Clarence Lowlands	South Eastern Queensland	Species	0	Banksia dry shrubland on coastal sands	
10	a0P7F000004zALv	Credit Wanted	59	Clarence Lowlands	South Eastern Queensland	Ecosystem	663	of the NSW North Coast Bioregion Black Box grassy open woodland	



Other useful BOS webpages

Serious and Irreversible Impacts

www.environment.nsw.gov.au/topics/animals-and-plants/biodiversity/biodiversity-offsets-scheme/serious-and-irreversible-impacts

Biodiversity offset rules

(like-for-like, ancillary and variation rules)

<https://www.environment.nsw.gov.au/topics/animals-and-plants/biodiversity/biodiversity-offsets-scheme/rules>

BAM Calculator (BAM-C)

www.lmbc.nsw.gov.au/bamcalc

Areas of Outstanding Biodiversity Value (AOBV)

- included in the Biodiversity Values Map

<https://www.environment.nsw.gov.au/topics/animals-and-plants/biodiversity/areas-of-outstanding-biodiversity-value>

Biodiversity Experts

<https://www.environment.nsw.gov.au/topics/animals-and-plants/biodiversity/biodiversity-offsets-scheme/experts>

Biodiversity Certification

<https://www.environment.nsw.gov.au/topics/animals-and-plants/biodiversity/biodiversity-certification>

Biodiversity Stewardship sites – process

<https://www.environment.nsw.gov.au/topics/animals-and-plants/biodiversity/biodiversity-offsets-scheme/how-it-works>
(go to Part B)

Transitional Arrangements including assessment of reasonable equivalence (BioBanking credits)

www.environment.nsw.gov.au/topics/animals-and-plants/biodiversity/transitional-arrangements

Assessment Bilateral Agreement (NSW and Australian Government)

<https://www.environment.nsw.gov.au/topics/animals-and-plants/biodiversity/assessment-bilateral-agreement>



Thank you for your participation

Q&A

Webinar recordings will be available to view online on the BOS Vimeo Showcase at <https://vimeo.com/showcase/6271450> and via the LG resource page www.environment.nsw.gov.au/topics/animals-and-plants/biodiversity/local-government-resources

Contact us at www.environment.nsw.gov.au/biodiversity/bos-help-advice