



Phil Warner  
PO Box 219  
MULLUMBIMBY NSW 2482  
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Our ref: DOC21/814688

20 September 2021

Attention: Sandra Pimm

Dear Mr Warner

Thank you for submitting the 2021 (Active) Annual Report for year 2 of your Biodiversity Stewardship (Biobank) Agreement for **BSA 352 Lilli Pilli**.

The BCT has completed an audit of the active management actions and advise that the required actions have been satisfactorily completed. The BCT would like to commend Byron Shire Council for installing well considered educational signage at the Lilli Pilli stewardship site. The BCT is very supportive of such pro-active measures designed to inform local residents about the biodiversity values present and the need for their ongoing protection.

However, for subsequent reporting periods, could you please ensure the sampling of photo-points takes place as close to the end of the annual reporting period as possible to maximise the value of this monitoring component.

Please find enclosed the audit report with detailed comments prepared by the BCT regional reviewer. Also attached are next year's annual report, diary and monitoring templates.

The BCT will be releasing your annual management payment which will be deposited into your nominated bank account within 20 working days. Please note that payment has been adjusted for the Consumer Price Index as per your agreement.

The next annual report for your site (2022, year 3) is due by **27 July 2022**.

Thank you for your ongoing commitment to managing the biodiversity on your property. You are contributing to over 26 300 hectares of land under in-perpetuity conservation agreements across NSW.

Please contact Don Owner on 02 6659 8239 or via [don.owner@bct.nsw.gov.au](mailto:don.owner@bct.nsw.gov.au) with any questions relating to your annual report.

Yours sincerely

Jennie Powell  
**Principal Project Officer**  
**Biodiversity Stewardship Agreement Co-ordination Team**

**Attached: Annual report template**

**Diary templates**  
**Monitoring templates**  
**Site inspection and photo monitoring templates**

Please contact the BCT as early as possible if:

- Your bank details change
- You believe you will not be able to meet the management requirements for the year
- There is a new significant management issue that has arisen on your stewardship site
- You are considering selling your property or changing its ownership structure.

## Enclosed: year 2 (2020-21) annual report BCT audit

## BioBanking (Biodiversity Stewardship) Site landholder annual report & BCT audit

### Audit details

Biobanking agreement reporting year: Year 2 Reporting period: 27 June 2020 to 27 June 2021 Site visit date: Postponed due to COVID 19 restrictions Auditor: Don Owner		BioBanking agreement ID: BA 352 Lilli Pilli Biobank site Landowner/site contact details: Phil Warner – <a href="mailto:phil.warner@byron.nsw.gov.au">phil.warner@byron.nsw.gov.au</a> – 6626 7000 Property address: Lilli Pilli Road, Byron Bay NSW		
BBAM management actions		Annual report (landholder to complete)	Audit of annual report by BCT	
Management actions as per Agreement	Management item description	Completion dates, actions undertaken and outcomes	Action completed Yes/No/N/A	Auditor comments and recommendations
1. Management of grazing for conservation	1.1 Exclusion of grazing by Stock	3 monthly inspections conducted during monitoring and bush regeneration visits – no stock grazing occurring on site or within local area. 19/8/20, 31/10/20, 21/1/21, 23/4/21.	Yes	N/A
	1.4 Removal of Stock when observed	N/A	Yes	N/A
2. Weed control	2.1 Implementation of the weed management plan	Refer to implementation of management plans below.	Yes	Refer to BCT comments in response to landholder contractor comments below.
	2.2 Review of the weed management plan	Not required before year 4 of active management.	Yes	N/A
3. Management of fire for conservation	3.1 Implementation of the fire for conservation management plan	Refer to implementation of management plans below.	Yes	N/A
	3.2 Review of the fire for conservation management plan	Not required before year 4 of active management.	Yes	N/A

<b>4. Management of human disturbance</b>	4.1 & 4.2 Exclusion of adverse human activities	BMX track removed	Yes	N/A
	4.3 Removal of existing waste	Rubbish and old fence removal undertaken 24/7/20 and 11/8/20.	Yes	N/A
	4.4 Excluding storage or disposal of rubbish	Neighbour informed re garden waste dumping. Dumped material removed. Old rubbish found within reserve and new rubbish on edges removed 3 monthly.	Yes	N/A
	4.5 Ongoing removal of waste	Annual check and removal undertaken 24/7/20 and 21/6/21. Bush regen team collect any rubbish seen during on-ground works. Interpretative Signage developed for installation.	Yes	N/A
	4.6 Installation and maintenance of fencing, gates and signage to exclude human disturbance	Biodiversity Stewardship SA, site boundaries and wildlife signage erected. Interpretative Signage developed for installation.	Yes	The BCT supports and commends the landholder's inclusion of additional educational signage at key locations around the site.
<b>5. Retention of native vegetation</b>	5.1 Retention of native vegetation	No native vegetation has been removed from the BSS.	Yes	N/A
<b>7. Retention of dead timber</b>	7.1 Retention of dead timber	Dead timber retained on ground	Yes	N/A
	7.2 Addition of dead timber	No dead timber was added during the management period	Yes	N/A
<b>8. Erosion control</b>	8.1 Prevention of erosion	Weed control to prevent Sagittaria re-colonising.	Yes	Erosion on this low-lying, flat, fully vegetated site is highly unlikely.
<b>9. Retention of rocks</b>	9.1 Retention of rocks	No rocks removed during the management period.	Yes	N/A
	9.2 Addition of rocks	No rocks brought in during the management period.	Yes	N/A
<b>11. Vertebrate pest management</b>	11.1 Implementation of the vertebrate pest management plan	Refer to implementation of management plans below.	Yes	N/A
	11.2 Review of the vertebrate pest management plan	Not required before year 4 of active management.	Yes	N/A
<b>12. Nutrient control</b>	12.1 Restricted use of fertilisers, pesticides and herbicides	No fertilisers or pesticides were used within the reserve.	Yes	Herbicides have been used on the site, but only in amounts required to undertake required management actions.
<b>14. Maintenance or reintroduction of</b>	14.3 Excluding construction of artificial drainage or water storage structures	No artificial drainage alterations or water storage structures undertaken.	Yes	N/A

natural flow regimes				
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Implementation of management plans						
Weed management plan				Landholder to complete	BCT auditor	
Location (e.g. management zone)	Weed species	Required actions and performance indicators	Required timing and frequency	Completion dates, actions undertaken and performance outcomes (e.g. sessions completed)	Action completed Yes/No/N/A	Auditor comments and recommendations
MZ1	Broadleaf paspalum	<b>Control methods:</b> Spot spraying, use of 'wick wiper' and hand pulling.  <b>Performance Measures:</b> 1. Reduce Paspalum to less than 10% of its original distribution by the end of year 3 2. Maintain paspalum at less than 10% of original distribution in perpetuity.	Three sessions per year from year 1 to year 3.	Twelve qualified bush regenerator sessions undertaken, a total of 250 hours. See dates as per Daily Record combined sheets attached. Broad-leaved Paspalum has mainly been controlled by hand weeding and brushcutting, since it occurs in wetter areas and adjacent drainage lines which form Mitchells Rainforest Snail habitat. Overall numbers are largely the same because of this and greater effort has gone to other more problematic weeds for the first two years.	Yes	Refer to the landholder's supplementary report for the weed control log/record sheets. The split in weed control effort between MZs can be roughly determined by the location descriptions provided on the log sheets.
	Other exotic grasses	<b>Control methods:</b> Spot spray and wick-wiper application of herbicide.  <b>Performance Measures:</b> 1. Reduce other introduced grasses to less than 10% of its original distribution by the end of year 3. 2. Maintain other introduced grasses at less than 10% of original distribution in perpetuity.	Four sessions per year from year 1 to year 3.	Twelve qualified bush regenerator sessions undertaken, a total of 250 hours. See dates as per Daily Record combined sheets attached. Reduced from original by half.		
	Sagittaria	<b>Controls methods:</b> Cut and paint and hand pulling.  <b>Performance measures:</b>	Four sessions per year from year 1 to year 3.	Twelve qualified bush regenerator sessions undertaken, a total of 250 hours. See dates as per Daily		

		<p>1. Individuals of mature <i>Sagittaria</i> removed by the end of year 3.</p> <p>2. Biobank site managed so that no mature individuals establish in perpetuity.</p>		Record combined sheets attached. See Photo Monitoring Report attached. Reduced from original numbers but same as previous year.		
	<i>Archontophoenix</i> sp.	<p><b>Controls methods:</b> Cut and paint and hand pulling.</p> <p><b>Performance measures:</b> 1. Individuals of <i>Archontophoenix</i> sp. removed by the end of year 3. 2. Biobank site managed so that no mature individuals establish in perpetuity.</p>	Three sessions per year from year 1 to year 3.	Twelve qualified bush regenerator sessions undertaken, a total of 250 hours. See dates as per Daily Record combined sheets attached. Seedlings recruit continually; significant reduction in adults, present total one third of highest numbers.		
	Coral berry and winter senna	<p><b>Controls methods:</b> Cut and paint and hand pulling.</p> <p><b>Performance measures:</b> 1. Individuals of coral berry and winter senna removed by the end of year 3. 2. Biobank site managed so that no mature individuals establish in perpetuity.</p>	Four sessions per year from year 1 to year 3.	Twelve qualified bush regenerator sessions undertaken, a total of 250 hours. See dates as per Daily Record combined sheets attached. Coral Berry reduced to one-tenth original numbers. Senna recruits continually, presently one-fifth of highest numbers.		
	White passionflower	<p><b>Controls methods:</b> Cut/scrape and paint, spot spraying and hand pulling.</p> <p><b>Performance measures:</b> 1. Individuals of white passionflower removed by the end of year 3. 2. Biobank site managed so that no mature individuals establish in perpetuity.</p>	Four sessions per year from year 1 to year 3.	Twelve qualified bush regenerator sessions undertaken, a total of 250 hours. See dates as per Daily Record combined sheets attached. Not present. Results in Weed Reduction Table for Corky and Edible Passionfruit.		
MZ2	Bamboo	<p><b>Control methods:</b> Hand removal and cut and paint stems with undiluted glyphosate.</p> <p><b>Performance measures:</b> 1. Small stand of Bamboo treated by the end of year 2.</p>	Four sessions per year in year 1 and year 2.	Twelve qualified bush regenerator sessions undertaken, a total of 250 hours. See dates as per Daily Record combined sheets attached. Not present in reserve.	Yes	Refer to the landholder's supplementary report for the weed control log/record sheets. The split in weed control effort between MZs can

		2. Biobank site managed so that no mature individuals establish in perpetuity.				be roughly determined by the location descriptions provided on the log sheets.
	Broadleaf paspalum	<b>Control methods:</b> Spot spraying, use of 'wick wiper' and hand pulling.  <b>Performance Measures:</b> 1. Reduce Paspalum to less than 10% of its original distribution by the end of year 3 2. Maintain paspalum at less than 10% of original distribution in perpetuity.	Three sessions per year from year 1 to year 3.	Twelve qualified bush regenerator sessions undertaken, a total of 250 hours. See dates as per Daily Record combined sheets attached. See above – as per Zone 1.		
	Other exotic grasses	<b>Control methods:</b> Spot spray and wick-wiper application of herbicide.  <b>Performance Measures:</b> 1. Reduce other introduced grasses to less than 10% of its original distribution by the end of year 3. 2. Maintain other introduced grasses at less than 10% of original distribution in perpetuity.	Four sessions per year from year 1 to year 3.	Twelve qualified bush regenerator sessions undertaken, a total of 250 hours. See dates as per Daily Record combined sheets attached. See above – as per Zone 1.		
	<i>Archontophoenix</i> sp.	<b>Controls methods:</b> Cut and paint and hand pulling.  <b>Performance measures:</b> Weed control work will aim to achieve the following outcomes: 1. Individuals of <i>Archontophoenix</i> sp. removed by the end of year 3. 2. Biobank site managed so that no mature individuals establish in perpetuity.	Four sessions per year from year 1 to year 3.	Twelve qualified bush regenerator sessions undertaken, a total of 250 hours. See dates as per Daily Record combined sheets attached. See above – as per Zone 1.		
	Coral berry and winter senna	<b>Controls methods:</b> Cut and paint and hand pulling.  <b>Performance measures:</b> Weed control work will aim to achieve the following outcomes:	Four sessions per year from year 1 to year 3.	Twelve qualified bush regenerator sessions undertaken, a total of 250 hours. See dates as per Daily Record combined sheets		

		1. Individuals of coral berry and winter senna removed by the end of year 3. 2. Biobank site managed so that no mature individuals establish in perpetuity.		attached. See above – as per Zone 1.		
<b>Fire for conservation management plan</b>				<b>Landholder to complete</b>	<b>BCT auditor</b>	
<b>Location (e.g. management zone)</b>		<b>Required actions and performance indicators</b>	<b>Required timing and frequency</b>	<b>Completion dates, actions undertaken and performance outcomes</b>	<b>Action completed Yes/No/N/A</b>	<b>Auditor comments and recommendations</b>
All zones		Exclude fire	Ongoing	No fire during management period.	Yes	N/A
<b>Vertebrate pest management plan</b>				<b>Landholder to complete</b>	<b>BCT auditor</b>	
<b>Location (e.g. management zone)</b>	<b>Pest species</b>	<b>Required actions and performance indicators</b>	<b>Required timing and frequency</b>	<b>Completion dates, actions undertaken and performance outcomes</b>	<b>Action completed Yes/No/N/A</b>	<b>Auditor comments and recommendations</b>
All zones	Pig, fox, dog, cat	Nocturnal walk over the site	Once annually	Nocturnal walk around site perimeter and into tracks and access areas for visual surveillance, April 2021. No pest activity observed. Swamp Wallaby congregation area in use in the reserve at night Observations taken during photo and other monitoring. Diggings attributable to native Bandicoot and Echnida present. Wallaby and Koala scats present.	Yes	N/A
	Pig, fox, dog, cat	Record visual evidence of pest activity	Once annually	No pest activity observed. Not required.	Yes	N/A
	Pig, fox, dog, cat	Ground baiting program	As required in response to monitoring outcomes.	Not required	Yes	N/A

#### Additional site inspection or monitoring requirements

<b>Management actions</b>	<b>Landholder to complete</b>	<b>BCT auditor</b>
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Description of additional site inspection or monitoring requirement	Required timing and frequency	Completion dates, observations, actions undertaken and outcomes	Action completed Yes/No/N/A	Auditor comments and recommendations
Sampling of photo-points in accordance with Section 1.2 of Annexure D of the agreement.	Every 12 months	Six photo-point locations sampled November 2020.	No	The photos provided in the supplementary report were taken in late October 2020, which is almost eight months before the end of the reporting period, before most of the management actions have been undertaken.  One of the main purposes of photo-point sampling is to provide a visual record of site condition following site management actions each year. Therefore, it is recommended the phot-point sampling be completed as close to the end of the reporting period as possible (i.e. within 30 days).
Inspections to record grazing by Stock in accordance with Section 1.3 of Annexure D of the agreement.	Every 3 months	With bush regerators visits. No stock grazing during the management period.	Yes	N/A
Inspections to document human disturbance, erosion or waste in accordance with Section 1.3 of Annexure D of the agreement.	Every 6 months	Rubbish removed when encountered during bush regen visits and collected by BSC.	Yes	N/A
Inspection to document the condition of fences and gates in accordance with Section 1.3 of Annexure D of the agreement.	Every 12 months	Gates and fences not applicable to this reserve. Interpretative signage developed.	Yes	N/A
Submission of diary and monitoring report templates	Every 12 months	Attached.	Yes	The landholder submitted a supplementary containing a summary of management actions and outcomes, weed control log and photo-point samples.

#### Details of incidents or events that have had an adverse effect on biodiversity values on biobank site (landholder to complete)

Description of incident or event (e.g. natural events)	Action taken and/or recommended actions

<b>Any other comments or observations regarding the biobank site</b>	
<p><b>Please include any additional photos from site visits, along with any comments / observations</b></p> <p>Landholder representative's comment - We find the way these two tables below are set out of little relevance to the way works are undertaken on site by the qualified and experienced Council bush regeneration team. Generally, all weeds encountered are treated, moving together in a horizontal line some 5-10m between team members (usually 3-4 persons) across the site. This means the two zones as listed below are treated as per each other and at the same time, although two restoration zones are listed in the table. We would prefer to address one zone only and more weeds, with less specific techniques for control, since herbicide use is limited in the reserve by the presence of MRS.</p> <p>For the first two years, works are concentrating on the more invasive weeds (many of which are not listed in the BSA table below. Please see attached Weed Reduction Table for full list of weed species known from the BSA. BL Paspalum is only hand weeded, while other grasses occur in patches unless specifically targeted. Salvinia and Sagittaria are within very wet areas that are inaccessible in wet times, forming part of the creek, including Jan- April 2021. Species which have been or could be problematic within the reserve and should be more focused upon with the BSA weed management plan are not included, yet many such as Ochna, Mulberry, Umbrella Tree and Cocos Palm have been reduced to almost zero.</p> <p><b>BCT Regional officer response:</b> The management zones (i.e. MZ1, MZ2) should be of relevance to the landholder given they were devised by the landholder's assessor when preparing the agreement. Furthermore, the weed species targeted in each management zone and the methods of proposed weed treatment were also determined by the landholder's assessor as part of the agreement. Nevertheless, the BCT support the on-ground approach being applied by the bush regeneration team and understands the composition of weed species on the site is likely to change over time. The BCT has already agreed with the landholder, as part of the year 1 BCT annual report audit, with a greater use of manual weed control techniques and reduced use of herbicides where possible. Furthermore, the BCT generally places greater focus on management outcomes than the specific methods being applied or specific allocation of control effort.</p> <p>However, for annual reporting purposes, the BCT and the landholder have a legal requirement to maintain a clear and repeatable record of where and how management actions have been applied on the site. Hence, the rather formulaic reporting template, which attempts to standardise the reporting approach across all BSAs in NSW.</p> <p>Moving forward, the BCT supports the current approach being applied by the landholder in terms of on-ground works. However, the landholder will still need to breakdown and report the broad implementation of weed control actions in terms of effort applied (i.e. approximate split between MZs) and performance outcomes achieved each year by reference to the management zones.</p> <p>We encourage and support the landholder to adapt weed control management actions where appropriate. However, a brief justification for any changes needs to be provided in the annual report. For example, if a weed species listed in the agreement for a management zone no longer requires targeted control, provide a brief justification for reducing effort for the species in the annual report table. Alternatively, if the landholder identifies and re-allocates weed control effort to a species not addressed in the agreement, simply add an extra row for the new species to the annual report table and provide the relevant details of control actions applied, along with a brief justification/explanation for making the change.</p> <p>Please discuss any larger-scale changes to weed control actions with the relevant BCT contact person prior to making the changes.</p> <p>Please also note the agreement weed management plan will be reviewed by the BCT during year 5 of active site management. The review will provide an opportunity to formalise any preceding minor changes to management actions and introduce any further changes agreed to by the landholder and the BCT.</p>	

<b>Landholder Annual Report signature and declaration</b>
<p>I hereby declare that the information supplied in this report is accurate and complies with the reporting requirements under item 2 of Annexure D to the BioBanking Agreement.</p> <p>All landowners must sign this annual report. If the land that forms the Biodiversity Stewardship Site is owned by multiple persons landowners may confirm in writing to the BCT that another person can complete and submit the annual report on their behalf.</p> <p><b>Please submit a signed PDF version and a word version of your Annual Report submission to the BCT</b></p>

Signed		Signed	
Date		Date	
<b>BCT approval of recommendation</b>			
Signature of auditor:		Authorisation signature:	
Name of auditor:	Don Owner	Name of authorising officer:	Jennie Powell
Position of auditor:	Senior Conservation Assessment Officer	Position of authorising officer:	Principal Project Officer
Date:	16 September 2021	Date:	20 September 2021