

Conservation Action Plan

Banyabba shiny-barked gum (*Eucalyptus pachycalyx* subsp. *banyabba*)

This plan has been prepared in accordance with the requirements of s.78C of the National Parks and Wildlife Regulation 2019 (Reg.) in relation to an Asset of Intergenerational Significance (AIS) as declared under s.153G of the *National Parks and Wildlife Act 1974*.

Site details

AIS site	AIS-ES-224, AIS-ES-225
Site location	An area of 8 hectares in Banyabba Nature Reserve An area of 11 hectares in Yuraygir State Conservation Area
NPWS contact	Team Leader Conservation, North Coast Branch

Environmental values

This table sets out the environmental values for which the land was listed as an AIS (Reg. 78C(3)(a)).

Identified value(s)	Value description
Important habitat for Banyabba shiny-barked gum	Banyabba shiny-barked gum is an endangered eucalyptus species that grows up to 10 metres tall and sometimes forms mallee-like multiple trunks. It occurs on shallow sandy soils over sandstone throughout Banyabba Nature Reserve and Yuraygir State Conservation Area over a low heathy understory.

Key risks to environmental values

This table sets out the key risks to the environmental values of the land (Reg. 78C(3)(b)).

Key risk(s)	Description
Inappropriate fire regimes	Inappropriate fire frequency and intensity that limits recruitment or degrades habitat through changes to the structure and function of associated vegetation communities may lead to a decline or extinction of Banyabba shiny-barked gum population at the sites. This risk is exacerbated by the small population size of the species at the sites.
Disturbance	Authorised infrastructure maintenance activities and visitor use that leads to degradation of habitat and damage to individuals by trampling of seedlings.

Conservation activities

This table sets out the conservation activities required to:

1. Control, abate or mitigate the key risks and
2. maintain, restore and remediate the environmental values of the land (Reg. 78C(3)(c)).

Key risk(s)	Impacted site(s)	Conservation activities
Inappropriate fire regimes	All sites	<ul style="list-style-type: none"> • Develop guidance on the appropriate fire management for the habitat of the Banyabba shiny-barked gum within 12 months of adoption of this plan and update as required. This guidance must provide for: <ul style="list-style-type: none"> - maintenance of an appropriate fire regime by developing and implementing a site-specific burn plan for the declared areas - implementation of any required fire protection and response measures in the declared areas - integration of site-specific requirements into NPWS and NSW Government bushfire planning, risk management and operational response arrangements. • Implement fire management consistent with the guidance.
Disturbance	All sites	<ul style="list-style-type: none"> • Undertake periodic reviews to identify whether infrastructure maintenance or visitor use is having an adverse impact on Banyabba shiny-barked gum. If adverse impacts are observed implement actions to mitigate the impacts. This may include: <ul style="list-style-type: none"> - upgrade and/or realignment of trails to avoid known plants or habitat - installation of wing fencing on trails or other suitable barriers and protective structures to prevent machinery damaging plants and habitat. • If required, develop guidance for staff and contractors about appropriate maintenance practices that minimise impacts to Banyabba shiny-barked gum population and habitat.
All risks	All sites	<ul style="list-style-type: none"> • Establish ex-situ living collection or seedbank from genetically representative sample of the population, in partnership with a suitable facility.

Other land management activities

Within the declared land there are existing assets and infrastructure of NPWS and other external service providers, including public utilities.

Maintenance operations (including inspection, emergency works and routine and standard maintenance) that are exempt development in accordance with the *Environmental Planning and Assessment Act 1979*, and which are performed on and around existing assets and infrastructure, are authorised under this conservation action plan (CAP) provided such operations are undertaken in a manner that aims to minimise the risk to the declared environmental values of the land and with any other required consents or approvals.

All maintenance operations on the declared land are to be undertaken in accordance with this CAP.

Measuring and reporting

This table sets out the requirements for measuring and reporting on health and condition (Reg. 78C(3)(d)).

Attribute	Metric	Method
Health and condition of the Banyabba shiny-barked gum population	Population estimate	Design, and implement every 2 years, monitoring to generate an estimate of the number of individuals in the population.

A report on the health and condition of the value for which this AIS was declared will be prepared and published on the Department of Planning and Environment website: www.environment.nsw.gov.au. The report will summarise the baseline and current health and condition of the values of the declared land and its overall trajectory.

Evaluation of conservation action plans

This CAP will be amended or replaced as new information becomes available that helps improve our management of the identified assets (Reg. 78H).

The Secretary must appoint a scientist, or a panel of scientists, to conduct a review, as soon as possible after the period of five years from the first approval of a CAP, to examine whether CAPs have been effectively implemented (Reg. 78J(1)).

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Approved by	Atticus Fleming, Acting Coordinator General, Environment and Heritage Group
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