

Conservation Action Plan

Pultenaea sp. Genowlan Point

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-140
Site location	An area of 5 hectares in Mugii Murum-Ban State Conservation Area
NPWS contact	Manager, Mudgee Area, Blue Mountains 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 <i>Pultenaea sp. Genowlan Point</i>	<i>Pultenaea sp. Genowlan Point</i> is a critically endangered small shrub that grows up to 0.5 metres tall with yellow and red pea flowers. It grows in skeletal soils and is associated with the shrubby understories of open <i>Eucalyptus sparsifolia</i> forests. This site is the only known population of the species with all known records occurring in Mugii Murum-ban State Conservation Area in the Capertee Valley. This population is mainly restricted to north-westerly aspects of rocky cliff edges.

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 depletes soil stored seedbank or limits germination and recruitment may lead to a decline or extinction of <i>Pultenaea sp. Genowlan Point</i> population at the site. This risk is exacerbated by the severely restricted distribution and very small population size of the species at this site.
Feral herbivores	Damage to individual plants and degradation of <i>Pultenaea sp. Genowlan Point</i> habitat by introduced herbivores, such as feral goats and deer, through grazing and trampling.
Pathogens, diseases and microorganisms	Infection by <i>Phytophthora cinnamomi</i> resulting in mortality of individual plants.
Interactions with native species	Degradation of habitat by macropods through trampling and browsing may lead to a reduction in suitable habitat and affect the persistence of <i>Pultenaea sp. Genowlan Point</i> at the site.
Anthropogenic climate change	Changes to weather patterns and climatic conditions as a result of anthropogenic climate change that increases the frequency and severity of drought conditions may exceed the adaptive capacity and reduce survivorship of <i>Pultenaea sp. Genowlan Point</i> at the site This risk is exacerbated by the severely restricted distribution and very small population size of the species at this site.
Disturbance	Visitor use that leads to degradation of habitat and damage to individuals by trampling and unauthorised vehicles access
Mining and mineral exploration	Habitat degradation and damage to <i>Pultenaea sp. Genowlan Point</i> as a result of cliff falls and subsidence from underground coal mining activities.

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 <i>Pultenaea sp. Genowlan Point</i> 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.

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Key risk(s)	Impacted site(s)	Conservation activities
Feral herbivores	All sites	<ul style="list-style-type: none"> To the extent practicable, reduce density of feral herbivores, to a level that is not having an ecologically significant impact on <i>Pultenaea sp. Genowlan Point</i>, and maintain densities at or below that level by trapping and shooting and other approved integrated control measures. Install and maintain protective barriers around plants to prevent impacts from trampling and browsing by feral herbivores. Implement targeted control response in the event of feral herbivore incursion.
Pathogens, diseases and microorganisms	All sites	<ul style="list-style-type: none"> Implement hygiene protocols as outlined in the DPE Hygiene Guidelines (as published April 2020), as varied by any written advice from the Secretary from time to time for the purposes of this declared area. Develop a hygiene management plan, including emergency response procedures in the event of an outbreak or evidence of serious impact of pathogenic phytophthora, within 12 months of adoption of this plan Implement the hygiene management plan.
Interactions with native species	All sites	<ul style="list-style-type: none"> Install and maintain protective fences around plants to minimise grazing and trampling from macropods.
Disturbance	All sites	<ul style="list-style-type: none"> Undertake periodic reviews to identify whether infrastructure maintenance and visitor use is having an adverse impact on <i>Pultenaea sp. Genowlan Point</i>. If adverse impacts are observed implement action to mitigate the impacts. This may include: <ul style="list-style-type: none"> installation of barriers or other suitable protective structures around plants to minimise impacts from visitor use. Implement guidance for staff, utility managers and contractors as required, about appropriate maintenance practices that minimise impacts to <i>Pultenaea sp. Genowlan Point</i> populations and habitat. Develop education material and install interpretive signage to educate and raise awareness of the impacts to <i>Pultenaea sp. Genowlan Point</i> from inappropriate visitor use and how to minimise impacts.
Anthropogenic climate change	All sites	<ul style="list-style-type: none"> If a decline in species trajectory or species health is attributed to impacts of anthropogenic climate change, implement response measures as required (e.g., supplementary watering).
Mining and mineral exploration	All sites	<ul style="list-style-type: none"> Provide advice to planning authorities to inform planning decisions and environmental assessment, with regard to mineral exploration and mining activities that may affect <i>Pultenaea sp. Genowlan Point</i> at the site. Liaise with mining and mineral exploration proponents, licensees or consultative committees to ensure <i>Pultenaea sp. Genowlan Point</i> is not adversely impacted by mineral exploration or mining activities.
All risks	All sites	<ul style="list-style-type: none"> Maintain ex-situ living collection and seedbank from a genetically representative sample of the population. If required, augment the existing population and/or establish a new wild population with ex-situ material.

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 <i>Pultenaea sp. Genowlan Point</i> population	Population estimate	Design, and implement annually, monitoring to generate an estimate of the number of <i>Pultenaea sp. Genowlan Point</i> plants 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 asset (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
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