

Conservation Action Plan

Zieria odorifera subsp. warrabahensis

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-E0-223
Site location	An area of 3 hectares in Warrabah National Park
NPWS contact	Project Officer Threatened Species, Northern Inland 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>Zieria odorifera subsp. warrabahensis</i>	<i>Zieria odorifera subsp. warrabahensis</i> is a critically endangered shrub that grows up to 40 centimetres tall. The shrub is known or predicted to occur in heathland and dry sclerophyll forests. All known records occur in Warrabah National Park.

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 that limits recruitment may lead to a decline or extinction of <i>Zieria odorifera subsp. warrabahensis</i> population at the site. This risk is exacerbated by the restricted distribution of the species at the site.
Weeds	Habitat degradation and competition through invasion, establishment, intensification and/or spread of herbaceous weeds to the extent that recruitment or establishment of plants is impaired.
Feral herbivores	Damage to individual plants and degradation of <i>Zieria odorifera subsp. warrabahensis</i> habitat by introduced herbivores, such as feral goats, through grazing and trampling.

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>Zieria odorifera subsp. warrabahensis</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.
Weeds	All sites	<ul style="list-style-type: none"> • Remove weed species to the extent required to ensure weeds do not have a negative impact on <i>Zieria odorifera subsp. warrabahensis</i>, by targeted application of physical, biological and/or chemical weed control.
Feral herbivores	All sites	<ul style="list-style-type: none"> • To the extent practicable, reduce density of feral goats to a level that is not having an ecologically significant impact on the <i>Zieria odorifera subsp. Warrabahensis</i>, and maintain the density at or below that level, by shooting and other approved integrated control measures such as mustering and removal. • Install and maintain protective barriers around plants where practical to prevent impacts from trampling and browsing by feral goats.
All risks	All sites	<ul style="list-style-type: none"> • Establish a seedbank from a genetically representative sample of the population in partnership with an appropriate facility. • If required, augment the existing 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>Zieria odorifera subsp. warrabahensis</i> population	Population count	Design and implement annual monitoring to generate a count of the number of individuals in the population.

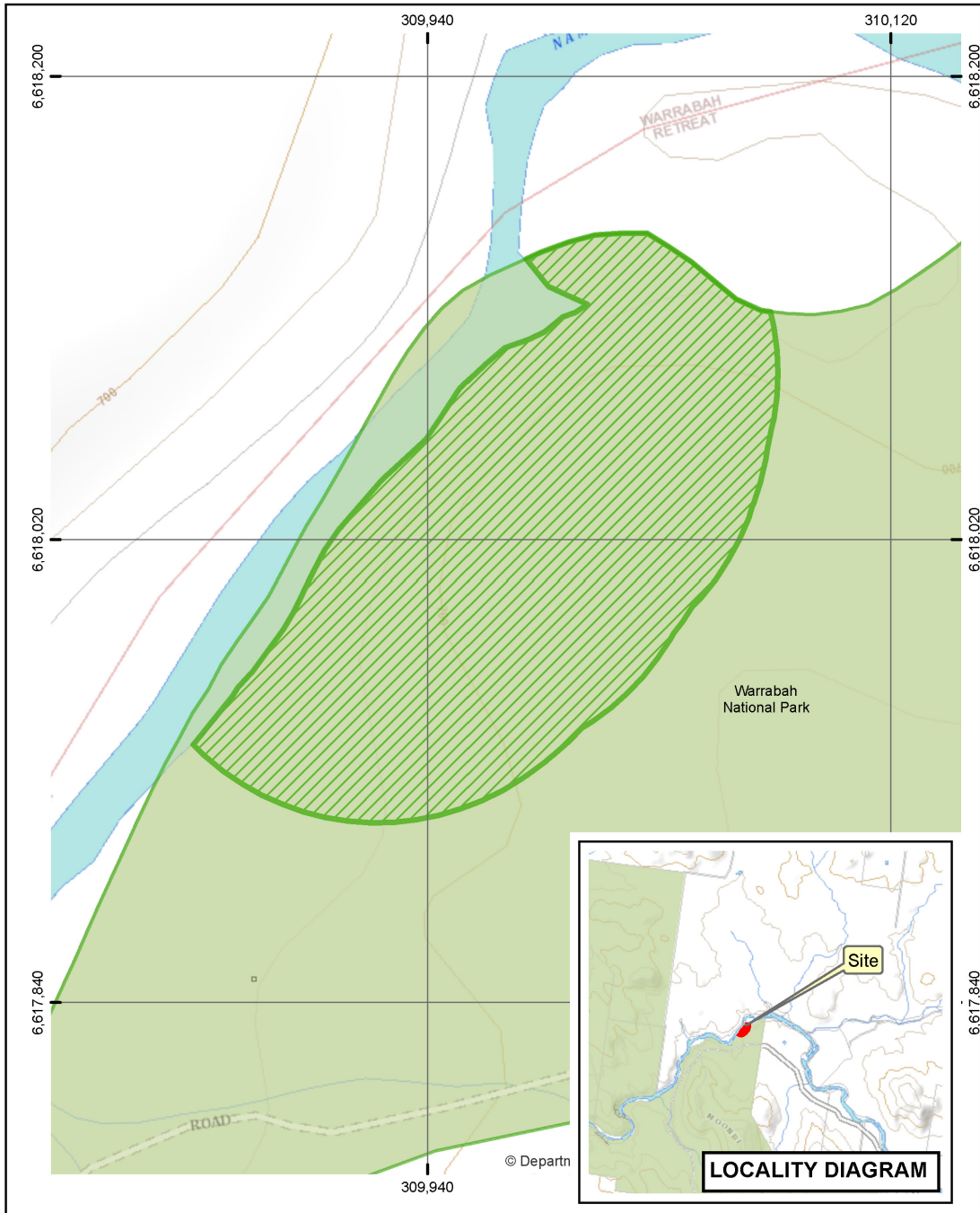
A report on the health and condition of the value for which this AIS was declared will be prepared and published on the Department of Planning and Environment website: www.environment.nsw.gov.au. The report will summarise the baseline and current health and condition of the values of the declared land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

-  Declared Land
-  NPWS Estate

AIS-E0-223
Asset of
Intergenerational Significance
Zieria odorifera subsp. warrabahensis
Warrabah National Park

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