

Conservation Action Plan

Kydra westringia (*Westringia kydrensis*)

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-E0-086, AIS-E0-088, AIS-E0-089, AIS-E0-090
Site location	An area of 53 hectares in Wadbilliga National Park An area of 539 hectares in Coolumbooka Nature Reserve
NPWS contact	Team Leader Conservation, South 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 <i>Kydra westringia</i>	<i>Kydra westringia</i> is an endangered upright shrub to 40 centimetres tall, with grouped leaves of three occurring on the stem ranging from 8 millimetres long to 3.5 millimetres wide. The plants flowers are white with red spots at the base of the lobes. The species can be found in heathlands with larger shrubs of dwarf she-oak and mountain banksia, growing on shallow rocky granite or quartzite soils. Habitat on national park estate support the most important populations for this species.

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 of <i>Kydra westringia</i> at the sites. This risk is exacerbated by the restricted distribution and small population sizes at the sites.
Feral herbivores	Damage to individual plants and degradation of <i>Kydra westringia</i> habitat by introduced herbivores, such as feral goats, through grazing and trampling.
Anthropogenic climate change	Changes in weather patterns and climatic conditions as a result of anthropogenic climate change that increases the frequency and severity of fires and other stochastic events may exceed the adaptive capacity and reduce survivorship of <i>Kydra westringia</i> at the sites. This risk is exacerbated by the restricted distribution and small population sizes at the sites.

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 <i>Kydra westringia</i> within 12 months of the 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.
Feral herbivores	All sites	<ul style="list-style-type: none"> • To the extent practicable, reduce feral goat densities to a level that is not having an ecologically significant impact on <i>kydra westringia</i> and maintain densities at or below that level, by aerial and ground shooting programs.
All risks	All sites	<ul style="list-style-type: none"> • Establish and maintain an ex-situ seedbank from a genetically representative sample of the population. • If required, augment the existing population, or establish new populations in areas with suitable climate, with ex-situ materials.

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 taken 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 Kydra westringia population	Population count	Design, and implement every three years, monitoring to count the number of mature plants and seedlings of Kydra westringia in the populations.

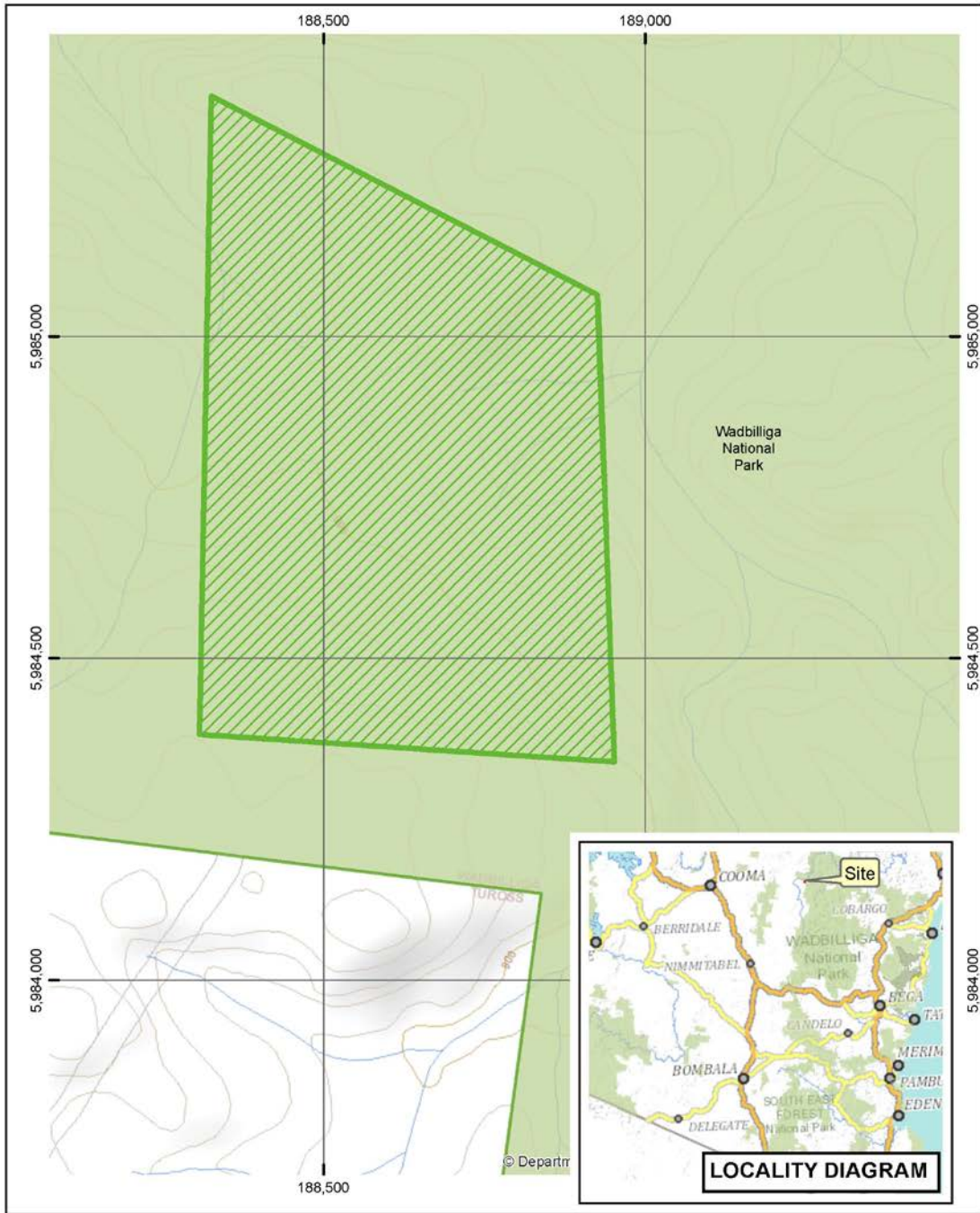
A report on the health and condition of the value for which this AIS was declared will be prepared and published on the Department of Planning and Environment website: www.environment.nsw.gov.au. The report will summarise the baseline and current health and condition of the values of the declared land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

Kydra westringia (*Westringia kydrensis*)
Conservation Action Plan





Legend

-  Declared Land
-  NPWS Estate

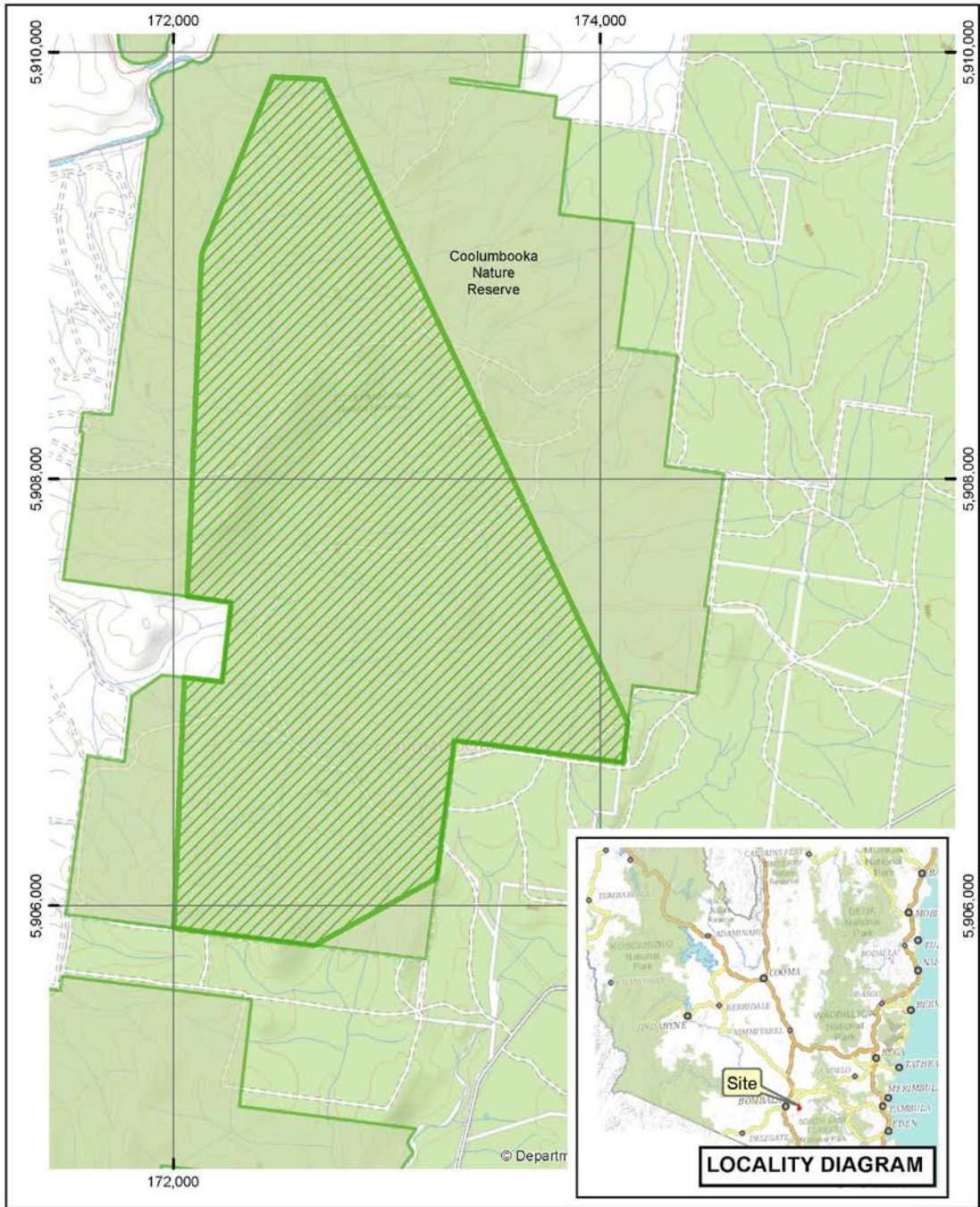
AIS-E0-086
Asset of
Intergenerational Significance
Kydra westringia
(*Westringia kydrensis*)
Wadbilliga National Park

Copyright of Department of Planning Industry and Environment
 This map is not guaranteed to be free from error or omission. The Department and its employees disclaim liability for any act done on the information in the map and any consequences of such acts or omissions.



N
 0 0.085 0.17 0.255
 km

Kydra westringia (*Westringia kydrensis*)
 Conservation Action Plan





Legend

-  Declared Land
-  NPWS Estate

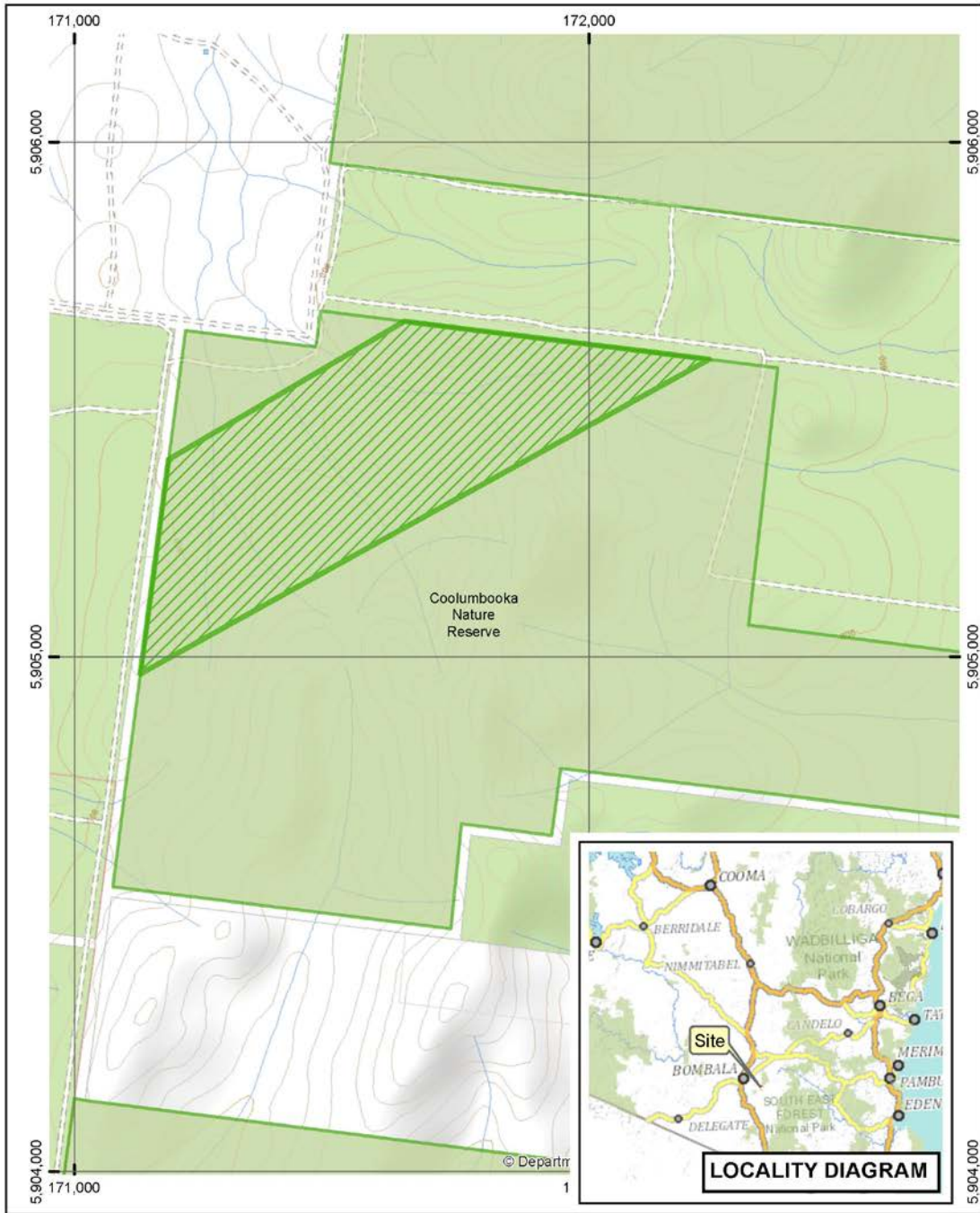
AIS-E0-088
Asset of
Intergenerational Significance
Kydra westringia
(*Westringia kydrensis*)
Coolumbooka Nature Reserve

Copyright of Department of Planning, Industry and Environment
 This map is not guaranteed to be free from error or omission. The Department and its employees disclaim liability for any act done on the information in this map and any consequences of such acts or omissions.



N
 0 0.25 0.5 0.75 km

Kydra westringia (*Westringia kydrensis*)
Conservation Action Plan





Legend

-  Declared Land
-  NPWS Estate

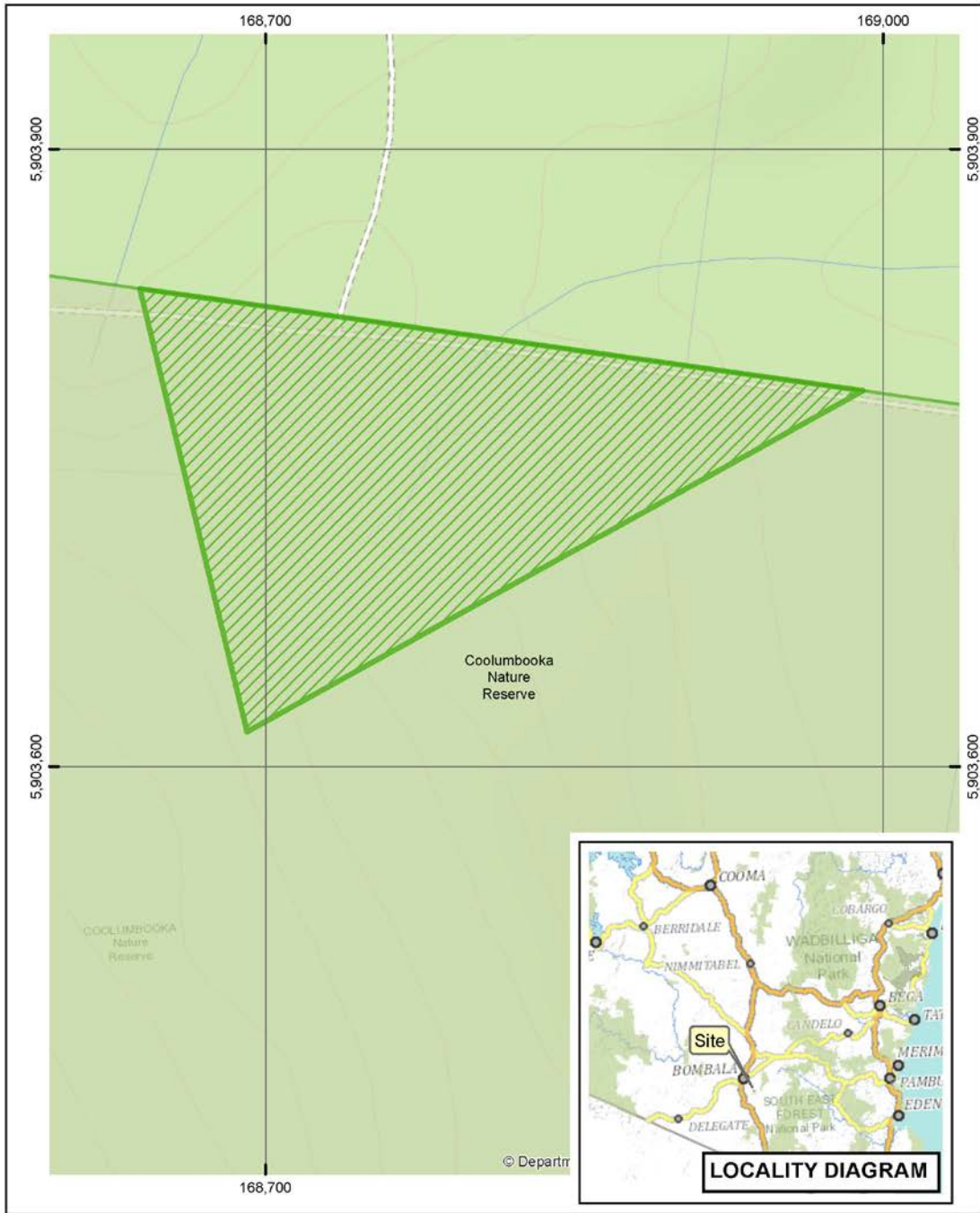
AIS-E0-089
Asset of
Intergenerational Significance
Kydra westringia
(*Westringia kydrensis*)
Coolumbooka Nature Reserve

Copyright of Department of Planning, Industry and Environment
 This map is not guaranteed to be free from error or omission. The Department and its employees disclaim liability for any act done on the information in this map and any consequences of such acts or omissions.



N
 0 0.1 0.2 0.3
 km

Kydra westringia (*Westringia kydrensis*)
Conservation Action Plan





Legend

-  Declared Land
-  NPWS Estate

AIS-E0-090
Asset of Intergenerational Significance
Kydra westringia
(*Westringia kydrensis*)
Coolumbooka Nature Reserve

Copyright of Department of Planning, Industry and Environment
 This map is not guaranteed to be free from error or omission. The Department and its employees disclaim liability for any act done on the information in this map and any consequences of such acts or omissions.

N
 0 0.04 0.08 km

Kydra westringia (*Westringia kydrensis*)
Conservation Action Plan

Date prepared	July 2022
Date approved	25 July 2022
Approved by	Atticus Fleming, Acting Coordinator General, Environment and Heritage
Due for review	July 2027

Environment and Heritage, Department of Planning and Environment,
Locked Bag 5022, Parramatta NSW 2124
Phone: 1300 361 967; email: info@environment.nsw.gov.au; www.environment.nsw.gov.au
ISBN 978-1-76058-586-0; EHG 2022/0383; August 2022.