Australian Government



Department of the Environment and Energy

EPBC Act Protected Matters Report

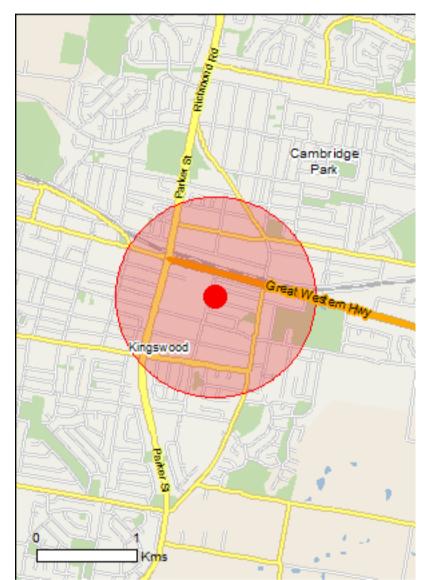
This report provides general guidance on matters of national environmental significance and other matters protected by the EPBC Act in the area you have selected.

Information on the coverage of this report and qualifications on data supporting this report are contained in the caveat at the end of the report.

Information is available about <u>Environment Assessments</u> and the EPBC Act including significance guidelines, forms and application process details.

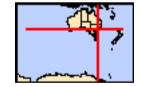
Report created: 02/07/19 10:48:20

Summary Details Matters of NES Other Matters Protected by the EPBC Act Extra Information Caveat Acknowledgements



This map may contain data which are ©Commonwealth of Australia (Geoscience Australia), ©PSMA 2010

Coordinates Buffer: 1.0Km



Summary

Matters of National Environmental Significance

This part of the report summarises the matters of national environmental significance that may occur in, or may relate to, the area you nominated. Further information is available in the detail part of the report, which can be accessed by scrolling or following the links below. If you are proposing to undertake an activity that may have a significant impact on one or more matters of national environmental significance then you should consider the <u>Administrative Guidelines on Significance</u>.

World Heritage Properties:	None
National Heritage Places:	None
Wetlands of International Importance:	None
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	5
Listed Threatened Species:	28
Listed Migratory Species:	14

Other Matters Protected by the EPBC Act

This part of the report summarises other matters protected under the Act that may relate to the area you nominated. Approval may be required for a proposed activity that significantly affects the environment on Commonwealth land, when the action is outside the Commonwealth land, or the environment anywhere when the action is taken on Commonwealth land. Approval may also be required for the Commonwealth or Commonwealth agencies proposing to take an action that is likely to have a significant impact on the environment anywhere.

The EPBC Act protects the environment on Commonwealth land, the environment from the actions taken on Commonwealth land, and the environment from actions taken by Commonwealth agencies. As heritage values of a place are part of the 'environment', these aspects of the EPBC Act protect the Commonwealth Heritage values of a Commonwealth Heritage place. Information on the new heritage laws can be found at http://www.environment.gov.au/heritage

A <u>permit</u> may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Land:	3
Commonwealth Heritage Places:	None
Listed Marine Species:	20
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Australian Marine Parks:	None

Extra Information

This part of the report provides information that may also be relevant to the area you have nominated.

State and Territory Reserves:	None
Regional Forest Agreements:	None
Invasive Species:	49
Nationally Important Wetlands:	None
Key Ecological Features (Marine)	None

Details

Matters of National Environmental Significance

Listed Threatened Ecological Communities

[Resource Information]

For threatened ecological communities where the distribution is well known, maps are derived from recovery plans, State vegetation maps, remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

Name	Status	Type of Presence
Castlereagh Scribbly Gum and Agnes Banks	Endangered	Community may occur
<u>Woodlands of the Sydney Basin Bioregion</u> <u>Coastal Swamp Oak (Casuarina glauca) Forest of New</u>	Endangered	within area Community may occur
South Wales and South East Queensland ecological		within area
<u>community</u> Cooks River/Castlereagh Ironbark Forest of the	Critically Endangered	Community may occur
Sydney Basin Bioregion	Childeny Endangered	within area
Cumberland Plain Shale Woodlands and Shale-Gravel Transition Forest	Critically Endangered	Community likely to occur within area
Western Sydney Dry Rainforest and Moist Woodland	Critically Endangered	Community may occur
on Shale		within area
Listed Threatened Species		[Resource Information]
Name	Status	Type of Presence
Birds		
Anthochaera phrygia		
Anthochaera phrygia Regent Honeyeater [82338]	Critically Endangered	Species or species habitat
	Critically Endangered	Species or species habitat likely to occur within area
	Critically Endangered	• •
Regent Honeyeater [82338]	Critically Endangered Endangered	likely to occur within area Species or species habitat
Regent Honeyeater [82338] Botaurus poiciloptilus		likely to occur within area
Regent Honeyeater [82338] Botaurus poiciloptilus		likely to occur within area Species or species habitat
Regent Honeyeater [82338] <u>Botaurus poiciloptilus</u> Australasian Bittern [1001]		likely to occur within area Species or species habitat known to occur within area Species or species habitat
Regent Honeyeater [82338] Botaurus poiciloptilus Australasian Bittern [1001] Calidris ferruginea	Endangered	likely to occur within area Species or species habitat known to occur within area
Regent Honeyeater [82338] Botaurus poiciloptilus Australasian Bittern [1001] Calidris ferruginea	Endangered	likely to occur within area Species or species habitat known to occur within area Species or species habitat
Regent Honeyeater [82338] Botaurus poiciloptilus Australasian Bittern [1001] Calidris ferruginea Curlew Sandpiper [856]	Endangered	likely to occur within area Species or species habitat known to occur within area Species or species habitat

Lathamus discolor

Swift Parrot [744]	Critically Endangered	Species or species habitat known to occur within area
Numenius madagascariensis	Critically Endengered	Cracico er cracico hobitat
Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area
Rostratula australis		
Australian Painted-snipe, Australian Painted Snipe [77037]	Endangered	Species or species habitat may occur within area
Fish		
Macquaria australasica		
Macquarie Perch [66632]	Endangered	Species or species habitat may occur within area

Name	Status	Type of Presence
Prototroctes maraena		
Australian Grayling [26179]	Vulnerable	Species or species habitat may occur within area
Frogs		
Heleioporus australiacus		
Giant Burrowing Frog [1973]	Vulnerable	Species or species habitat may occur within area
Litoria aurea		
Green and Golden Bell Frog [1870]	Vulnerable	Species or species habitat likely to occur within area
Mammals		
Chalinolobus dwyeri		
Large-eared Pied Bat, Large Pied Bat [183]	Vulnerable	Species or species habitat likely to occur within area
Dasyurus maculatus maculatus (SE mainland popula	ation)	
Spot-tailed Quoll, Spotted-tail Quoll, Tiger Quoll (southeastern mainland population) [75184]	Endangered	Species or species habitat known to occur within area
Petrogale penicillata		
Brush-tailed Rock-wallaby [225]	Vulnerable	Species or species habitat may occur within area
Phascolarctos cinereus (combined populations of Qlo	NSW and the ACT	
Koala (combined populations of Queensland, New South Wales and the Australian Capital Territory) [85104]	Vulnerable	Species or species habitat known to occur within area
Pseudomys novaehollandiae		
New Holland Mouse, Pookila [96]	Vulnerable	Species or species habitat may occur within area
Pteropus poliocephalus		
Grey-headed Flying-fox [186]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
Plants		
Acacia bynoeana		
Bynoe's Wattle, Tiny Wattle [8575]	Vulnerable	Species or species habitat may occur within area
Allocasuarina glareicola		
[21932]	Endangered	Species or species habitat

<u>Genoplesium baueri</u> Yellow Gnat-orchid [7528]	Endangered	Species or species habitat may occur within area
<u>Haloragis exalata subsp. exalata</u> Wingless Raspwort, Square Raspwort [24636]	Vulnerable	Species or species habitat may occur within area
<u>Persoonia hirsuta</u> Hairy Geebung, Hairy Persoonia [19006]	Endangered	Species or species habitat likely to occur within area
<u>Persoonia nutans</u> Nodding Geebung [18119]	Endangered	Species or species habitat may occur within area
Pimelea spicata Spiked Rice-flower [20834]	Endangered	Species or species habitat likely to occur within area
<u>Pterostylis saxicola</u> Sydney Plains Greenhood [64537]	Endangered	Species or species habitat may occur within area
<u>Pultenaea parviflora</u> [19380]	Vulnerable	Species or species

Name	Status	Type of Presence
		habitat likely to occur within
Syzygium paniculatum		area
Magenta Lilly Pilly, Magenta Cherry, Daguba, Scrub	Vulnerable	Species or species habitat
Cherry, Creek Lilly Pilly, Brush Cherry [20307]		may occur within area
Thesium australe		
Austral Toadflax, Toadflax [15202]	Vulnerable	Species or species habitat
		may occur within area
Listed Migratory Species		[Resource Information]
* Species is listed under a different scientific name on	the EPBC Act - Threatened	
Name	Threatened	Type of Presence
Migratory Marine Birds		
Apus pacificus		Creating or analise hebitat
Fork-tailed Swift [678]		Species or species habitat likely to occur within area
		····, ····
Migratory Terrestrial Species		
<u>Cuculus optatus</u> Oriental Cuckoo, Horsfield's Cuckoo [86651]		Species or species habitat
		may occur within area
Hirundapus caudacutus		
White-throated Needletail [682]		Species or species habitat
		likely to occur within area
Monarcha melanopsis		
Black-faced Monarch [609]		Species or species habitat
		likely to occur within area
Motacilla flava		
Yellow Wagtail [644]		Species or species habitat
		may occur within area
Myiagra cyanoleuca		
Satin Flycatcher [612]		Species or species habitat
		known to occur within area
Rhipidura rufifrons		
Rufous Fantail [592]		Species or species habitat
		likely to occur within area

Migratory Wetlands Species

Actitis hypoleucos Common Sandpiper [59309]

Calidris acuminata Sharp-tailed Sandpiper [874]

Calidris ferruginea Curlew Sandpiper [856]

Calidris melanotos Pectoral Sandpiper [858]

Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]

Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]

Pandion haliaetus Osprey [952] Species or species habitat may occur within area

Species or species habitat may occur within area

Critically Endangered

Species or species habitat may occur within area

Species or species habitat may occur within area

Species or species habitat may occur within area

Critically Endangered

Species or species habitat may occur within area

Species or species habitat may occur within area

Other Matters Protected by the EPBC Act

-		
Commonwealth Land		[Resource Information]
The Commonwealth area listed below may indicate the the unreliability of the data source, all proposals should Commonwealth area, before making a definitive decision department for further information.	be checked as to whethe	r it impacts on a
Name		
Commonwealth Land - Australian Postal Commission		
Commonwealth Land - Defence Housing Authority		
Commonwealth Land - Defence Service Homes Corpo	ration	
Listed Marine Species		[Resource Information]
* Species is listed under a different scientific name on t	the EPBC Act - Threatened	d Species list.
Name	Threatened	Type of Presence
Birds		
Actitis hypoleucos		
Common Sandpiper [59309]		Species or species habitat
		may occur within area
Apus pacificus		
Fork-tailed Swift [678]		Species or species habitat
		likely to occur within area
Ardea alba		
Great Egret, White Egret [59541]		Species or species habitat
		known to occur within area
Ardea ibis		
Cattle Egret [59542]		Species or species habitat
		may occur within area
Calidris acuminata Sharp tailed Sandpiper [874]		Spacios or spacios habitat
Sharp-tailed Sandpiper [874]		Species or species habitat may occur within area
		, , , , , , , , , , , , , , , , , , ,
Calidris ferruginea		.
Curlew Sandpiper [856]	Critically Endangered	Species or species habitat
		may occur within area
Calidris melanotos		
Pectoral Sandpiper [858]		Species or species habitat
		may occur within area

Chrysococcyx osculans Black-eared Cuckoo [705]

Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]

Haliaeetus leucogaster White-bellied Sea-Eagle [943]

Hirundapus caudacutus White-throated Needletail [682]

Lathamus discolor Swift Parrot [744]

Merops ornatus Rainbow Bee-eater [670]

Monarcha melanopsis Black-faced Monarch [609]

Species or species habitat likely to occur within area

Species or species habitat may occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Critically Endangered

Species or species habitat known to occur within area

Species or species habitat may occur within area

Species or species

Name	Threatened	Type of Presence
		habitat likely to occur within area
Motacilla flava		
Yellow Wagtail [644]		Species or species habitat may occur within area
Myiagra cyanoleuca		
Satin Flycatcher [612]		Species or species habitat known to occur within area
Numenius madagascariensis		
Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area
Pandion haliaetus		
Osprey [952]		Species or species habitat may occur within area
Rhipidura rufifrons		
Rufous Fantail [592]		Species or species habitat likely to occur within area
Rostratula benghalensis (sensu lato)		
Painted Snipe [889]	Endangered*	Species or species habitat may occur within area

Extra Information

Invasive Species [Resource Information] Weeds reported here are the 20 species of national significance (WoNS), along with other introduced plants that are considered by the States and Territories to pose a particularly significant threat to biodiversity. The following feral animals are reported: Goat, Red Fox, Cat, Rabbit, Pig, Water Buffalo and Cane Toad. Maps from Landscape Health Project, National Land and Water Resouces Audit, 2001.

Name	Status	Type of Presence
Birds		
Acridotheres tristis		
Common Myna, Indian Myna [387]		Species or species habitat likely to occur within area
Alauda arvensis		
Skylark [656]		Species or species habitat

Anas platyrhynchos Mallard [974]

Carduelis carduelis European Goldfinch [403]

Carduelis chloris European Greenfinch [404]

Columba livia Rock Pigeon, Rock Dove, Domestic Pigeon [803]

Lonchura punctulata Nutmeg Mannikin [399]

Passer domesticus House Sparrow [405] Species or species habitat likely to occur within area

likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur

Name	Status	Type of Presence
		within area
Passer montanus Eurasian Tree Sparrow [406]		Species or species habitat
		likely to occur within area
Pycnonotus jocosus		
Red-whiskered Bulbul [631]		Species or species habitat
		likely to occur within area
Streptopelia chinensis		
Spotted Turtle-Dove [780]		Species or species habitat
		likely to occur within area
Sturnus vulgaris		
Common Starling [389]		Species or species habitat
		likely to occur within area
Turdus merula		
Common Blackbird, Eurasian Blackbird [596]		Species or species habitat likely to occur within area
Frogs		
Rhinella marina Cane Toad [83218]		Species or species habitat
		likely to occur within area
Mammala		
Mammals Bos taurus		
Domestic Cattle [16]		Species or species habitat
		likely to occur within area
Canis lupus familiaris		
Domestic Dog [82654]		Species or species habitat
		likely to occur within area
Felis catus		
Cat, House Cat, Domestic Cat [19]		Species or species habitat
		likely to occur within area
Feral deer		

Feral deer species in Australia [85733]

Lepus capensis Brown Hare [127]

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Mus musculus House Mouse [120]

Oryctolagus cuniculus Rabbit, European Rabbit [128]

Rattus norvegicus Brown Rat, Norway Rat [83]

Rattus rattus Black Rat, Ship Rat [84]

Vulpes vulpes Red Fox, Fox [18]

Plants

Alternanthera philoxeroides Alligator Weed [11620] Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Name	Status	Type of Presence
Anredera cordifolia		
Madeira Vine, Jalap, Lamb's-tail, Mignonette Vine,		Species or species habitat
Anredera, Gulf Madeiravine, Heartleaf Madeiravine,		likely to occur within area
Potato Vine [2643] Asparagus aethiopicus		
Asparagus Fern, Ground Asparagus, Basket Fern,		Species or species habitat
Sprengi's Fern, Bushy Asparagus, Emerald Asparagus		likely to occur within area
[62425]		
Asparagus asparagoides		
Bridal Creeper, Bridal Veil Creeper, Smilax, Florist's		Species or species habitat
Smilax, Smilax Asparagus [22473]		likely to occur within area
Cabomba caroliniana		
Cabomba, Fanwort, Carolina Watershield, Fish Grass,		Species or species habitat
Washington Grass, Watershield, Carolina Fanwort,		likely to occur within area
Common Cabomba [5171]		
Chrysanthemoides monilifera		
Bitou Bush, Boneseed [18983]		Species or species habitat
		may occur within area
Chrysanthemoides monilifera subsp. monilifera		
Boneseed [16905]		Species or species habitat
		likely to occur within area
Cytisus scoparius Broom English Broom Scotch Broom Common		Spacios or spacios habitat
Broom, English Broom, Scotch Broom, Common Broom, Scottish Broom, Spanish Broom [5934]		Species or species habitat likely to occur within area
Broom, Cookish Broom, Opanish Broom [0004]		intery to occur within area
Dolichandra unguis-cati		
Cat's Claw Vine, Yellow Trumpet Vine, Cat's Claw		Species or species habitat
Creeper, Funnel Creeper [85119]		likely to occur within area
Eichhornia crassipes		
Water Hyacinth, Water Orchid, Nile Lily [13466]		Species or species habitat
		likely to occur within area
		-
Genista monspessulana		.
Montpellier Broom, Cape Broom, Canary Broom,		Species or species habitat
Common Broom, French Broom, Soft Broom [20126]		likely to occur within area
Genista sp. X Genista monspessulana		
Broom [67538]		Species or species habitat
		may occur within area

Lantana camara Lantana, Common Lantana, Kamara Lantana, Large-

Species or species habitat likely to occur within area

leaf Lantana, Pink Flowered Lantana, Red Flowered Lantana, Red-Flowered Sage, White Sage, Wild Sage [10892] Lycium ferocissimum African Boxthorn, Boxthorn [19235]

Nassella neesiana Chilean Needle grass [67699]

Nassella trichotoma Serrated Tussock, Yass River Tussock, Yass Tussock, Nassella Tussock (NZ) [18884]

Opuntia spp. Prickly Pears [82753]

Pinus radiata Radiata Pine Monterey Pine, Insignis Pine, Wilding Pine [20780]

Rubus fruticosus aggregate Blackberry, European Blackberry [68406] Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat may occur within area

Species or species habitat likely to occur within area

Name	Status	Type of Presence	
Sagittaria platyphylla			
Delta Arrowhead, Arrowhead, Slender Arrowhe [68483]	ead	Species or species habitat likely to occur within area	
Salix spp. except S.babylonica, S.x calodendron & S.x reichardtii			
Willows except Weeping Willow, Pussy Willow Sterile Pussy Willow [68497]	and	Species or species habitat likely to occur within area	
Salvinia molesta			
Salvinia, Giant Salvinia, Aquarium Watermoss, Weed [13665]	, Kariba	Species or species habitat likely to occur within area	
Senecio madagascariensis			
Fireweed, Madagascar Ragwort, Madagascar Groundsel [2624]		Species or species habitat likely to occur within area	
Ulex europaeus			
Gorse, Furze [7693]		Species or species habitat likely to occur within area	
Reptiles			
Hemidactylus frenatus			
Asian House Gecko [1708]		Species or species habitat likely to occur within area	

Caveat

The information presented in this report has been provided by a range of data sources as acknowledged at the end of the report.

This report is designed to assist in identifying the locations of places which may be relevant in determining obligations under the Environment Protection and Biodiversity Conservation Act 1999. It holds mapped locations of World and National Heritage properties, Wetlands of International and National Importance, Commonwealth and State/Territory reserves, listed threatened, migratory and marine species and listed threatened ecological communities. Mapping of Commonwealth land is not complete at this stage. Maps have been collated from a range of sources at various resolutions.

Not all species listed under the EPBC Act have been mapped (see below) and therefore a report is a general guide only. Where available data supports mapping, the type of presence that can be determined from the data is indicated in general terms. People using this information in making a referral may need to consider the qualifications below and may need to seek and consider other information sources.

For threatened ecological communities where the distribution is well known, maps are derived from recovery plans, State vegetation maps, remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

Threatened, migratory and marine species distributions have been derived through a variety of methods. Where distributions are well known and if time permits, maps are derived using either thematic spatial data (i.e. vegetation, soils, geology, elevation, aspect, terrain, etc) together with point locations and described habitat; or environmental modelling (MAXENT or BIOCLIM habitat modelling) using point locations and environmental data layers.

Where very little information is available for species or large number of maps are required in a short time-frame, maps are derived either from 0.04 or 0.02 decimal degree cells; by an automated process using polygon capture techniques (static two kilometre grid cells, alpha-hull and convex hull); or captured manually or by using topographic features (national park boundaries, islands, etc). In the early stages of the distribution mapping process (1999-early 2000s) distributions were defined by degree blocks, 100K or 250K map sheets to rapidly create distribution maps. More reliable distribution mapping methods are used to update these distributions as time permits.

Only selected species covered by the following provisions of the EPBC Act have been mapped:

- migratory and
- marine

The following species and ecological communities have not been mapped and do not appear in reports produced from this database:

- threatened species listed as extinct or considered as vagrants
- some species and ecological communities that have only recently been listed
- some terrestrial species that overfly the Commonwealth marine area
- migratory species that are very widespread, vagrant, or only occur in small numbers

The following groups have been mapped, but may not cover the complete distribution of the species:

- non-threatened seabirds which have only been mapped for recorded breeding sites
- seals which have only been mapped for breeding sites near the Australian continent

Such breeding sites may be important for the protection of the Commonwealth Marine environment.

Coordinates

-33.75977 150.71639

Acknowledgements

This database has been compiled from a range of data sources. The department acknowledges the following custodians who have contributed valuable data and advice:

-Office of Environment and Heritage, New South Wales -Department of Environment and Primary Industries, Victoria -Department of Primary Industries, Parks, Water and Environment, Tasmania -Department of Environment, Water and Natural Resources, South Australia -Department of Land and Resource Management, Northern Territory -Department of Environmental and Heritage Protection, Queensland -Department of Parks and Wildlife, Western Australia -Environment and Planning Directorate, ACT -Birdlife Australia -Australian Bird and Bat Banding Scheme -Australian National Wildlife Collection -Natural history museums of Australia -Museum Victoria -Australian Museum -South Australian Museum -Queensland Museum -Online Zoological Collections of Australian Museums -Queensland Herbarium -National Herbarium of NSW -Royal Botanic Gardens and National Herbarium of Victoria -Tasmanian Herbarium -State Herbarium of South Australia -Northern Territory Herbarium -Western Australian Herbarium -Australian National Herbarium, Canberra -University of New England -Ocean Biogeographic Information System -Australian Government, Department of Defence Forestry Corporation, NSW -Geoscience Australia -CSIRO -Australian Tropical Herbarium, Cairns -eBird Australia -Australian Government – Australian Antarctic Data Centre -Museum and Art Gallery of the Northern Territory -Australian Government National Environmental Science Program

-Australian Institute of Marine Science

-Reef Life Survey Australia

-American Museum of Natural History

-Queen Victoria Museum and Art Gallery, Inveresk, Tasmania

-Tasmanian Museum and Art Gallery, Hobart, Tasmania

-Other groups and individuals

The Department is extremely grateful to the many organisations and individuals who provided expert advice and information on numerous draft distributions.

Please feel free to provide feedback via the Contact Us page.

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