



# Priority NSW plants for post-fire field assessment

## List current at 18 November 2020

This analysis is based on a combination of the proportion of species' ranges burnt in the 2019–2020 fires, their persistence traits, and an assessment of pre- and post-fire threats to post-fire recovery.

Species prioritised by the Commonwealth are indicated with a '1' and those prioritised by the Science Economics Insights Division within the NSW Government Department of Planning, Industry and Environment, Environment, Economics and Science Group (DPIE-EES) with a '2'.

Species' status under the *Environmental Protection and Biodiversity Conservation Act* (EPBC) and NSW *Biodiversity Conservation Act 2016* (BC Act) is:

- CR – Critically endangered
- EN – Endangered
- VU – Vulnerable.

Species presumed extinct have been excluded.

Key risk drivers are as follows:

- A – Drought
- B – High Fire Frequency
- C – Herbivory
- D – Disease
- E – High Severity Fire
- F – Weeds
- G – Elevated Temperatures
- H – Fire Sensitivity
- I – Erosion
- J – Cumulative Fire Risk
- K – Other Threats

Refer to Auld et al. (2020) for further details regarding the risk prioritisation framework.

This analysis is primarily desktop-based. Future updates will incorporate observations from field impact assessments. Note that not all the priority plants identified in the Commonwealth analysis are considered to be among the highest priorities for field assessments in New South Wales.

Priority NSW plants for post-fire field assessment

Scientific name	Common name	EPBC Act status	BC Act status	Prioritisation Source	Key risk drivers
<i>Acacia baueri</i> subsp. <i>aspera</i>			VU	2	JK
<i>Acacia beadleana</i>				1, 2	ABDE
<i>Acacia blayana</i>	Blay's wattle			1, 2	BCEJ
<i>Acacia cangaiensis</i>				1, 2	ABDEJ
<i>Acacia clunies-rossiae</i>	Kanangra wattle		VU	1, 2	ABCEJ
<i>Acacia constablei</i>	Narrabarba wattle	VU	VU	1, 2	ACEJ
<i>Acacia courtii</i>	North Brother wattle	VU	VU	2	FJ
<i>Acacia flocktoniae</i>	Flockton wattle	VU	VU	1, 2	ABEFJ
<i>Acacia georgensis</i>	Bega wattle	VU	VU	1, 2	BDEFJ
<i>Acacia gordonii</i>		EN	EN	2	ABFK
<i>Acacia lanigera</i> var. <i>gracilipes</i>				1	ABEJ
<i>Acrophyllum australe</i>		VU	VU	2	ABEFK
<i>Almaleea cambagei</i>	Torrington pea	VU	EN	1, 2	ABCE
<i>Asterolasia beckersii</i>	Dungowan starbush		EN	1, 2	ACEJ
<i>Asterolasia buxifolia</i>			EN	1, 2	BEFJ
<i>Asterolasia rivularis</i>				1, 2	ABCEJ
<i>Astrotricha</i> sp. Howe Range (D.E.Albrecht 1954)				1	AEJ
<i>Astrotricha</i> sp. Mount Boss (P.Gilmour 7907)				1	BE
<i>Baeckea kandos</i>		EN	EN	1, 2	ABCDJ
<i>Baloskion longipes</i>	Dense cord-rush	VU	VU	1, 2	ACEF
<i>Banksia paludosa</i> subsp. <i>astrolux</i>				1, 2	ABCEHJ
<i>Banksia penicillata</i>				1, 2	ABEHJ
<i>Bertya mollissima</i>				1, 2	ABEI
<i>Bertya</i> sp. (Chambigne NR, M. Fatemi 24)	Chambigne bertya		EN	1, 2	BJ
<i>Bertya</i> sp. (Clouds Creek, M. Fatemi 4)			EN	1, 2	ABEJ
<i>Boronia anemonifolia</i> subsp. <i>wadbilligensis</i>				1, 2	CEJ
<i>Boronia barkeriana</i> subsp. <i>barkeriana</i>				1, 2	ABEI
<i>Boronia deanei</i>	Deane's boronia	VU	VU	1, 2	ABCEFK

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<i>Boronia imlayensis</i>				1, 2	ADE
<i>Boronia inflexa</i> subsp. <i>torringtonensis</i>			CR	1, 2	ABCEJ
<i>Bossiaea milesiae</i>				1	E
<i>Brachyscome brownii</i>				1, 2	BCEJ
<i>Budawangia gnidioides</i>	Budawangs cliff-heath	VU	VU	1, 2	ACEJK
<i>Bursaria calcicola</i>				1, 2	ACK
<i>Caladenia oreophila</i>				1	AE
<i>Caladenia osmera</i>				1	ABCE
<i>Caladenia tessellata</i>	Thick lip spider orchid	VU	EN	2	AK
<i>Calandrinia</i> sp. Nerriga (I.R.H.Telford 8677)				1	A
<i>Callistemon forresterae</i>	Forresters bottlebrush	VU		1, 2	ABCDEJ
<i>Callistemon megalongensis</i>	Megalong Valley bottlebrush	CR	CR	1, 2	ACF
<i>Callistemon</i> sp. Waratah trig (J.B.Williams NE85940)				1	ADE
<i>Callistemon subulatus</i>				1	ABDE
<i>Callitris oblonga</i>	Pygmy cypress pine	VU	VU	1, 2	ABCEJ
<i>Calochilus pulchellus</i>	Pretty beard orchid		EN	1, 2	AE
<i>Cassinia heleniae</i>				1	BCE
<i>Cassinia macrocephala</i> subsp. <i>petrapendula</i>				1	A
<i>Cassinia macrocephala</i> subsp. <i>tenuis</i>				2	AJ
<i>Cassinia maritima</i>				1	ABEJ
<i>Cassinia theodorii</i>				1, 2	ACE
<i>Cassinia venusta</i>				1	BCEJ
<i>Chiloglottis anaticeps</i>	Bird orchid		EN	1, 2	ACE
<i>Chrysocephalum apiculatum</i> subsp. <i>stoloniferum</i>				1	ACE
<i>Conospermum burgessiorum</i>				1	ABDEJ
<i>Corokia whiteana</i>	Corokia	VU	VU	2	F

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<i>Coronidium kaputaricum</i>				1, 2	AJ
<i>Coronidium telfordii</i>				1	AE
<i>Correa lawrenceana</i> var. <i>genoensis</i>	Genoa river correa	EN	EN	1, 2	ABCEFJ
<i>Crowea exalata</i> subsp. <i>obcordata</i>				2	B
<i>Cryptocarya nova-anglica</i>	Mountain laurel			1, 2	BH
<i>Cyphanthera scabrella</i>				1, 2	ABEJ
<i>Darwinia briggsiae</i>				1, 2	ABDEJ
<i>Darwinia fascicularis</i> subsp. <i>oligantha</i>				1, 2	ABDEJ
<i>Darwinia taxifolia</i> subsp. <i>macrolaena</i>				1, 2	ABDEJ
<i>Daviesia nova-anglica</i>				1	ABDEJ
<i>Dendrobium schneiderae</i> var. <i>schneiderae</i>				1	AE
<i>Denhamia moorei</i>	Mountain denhamia			1	H
<i>Deyeuxia talariata</i>				1	ABCE
<i>Dillwynia crispifolia</i>				1, 2	ABCEJ
<i>Dillwynia rupestris</i>				1, 2	ABDEJ
<i>Dillwynia stipulifera</i>				1, 2	ABCE
<i>Diuris ochroma</i>	Pale golden moths	VU	EN	2	CFK
<i>Eidothea hardeniana</i>	Nightcap oak	CR	EN	2	DH
<i>Epacris hamiltonii</i>		EN	EN	1, 2	AEFK
<i>Epacris sparsa</i>	Sparse heath	VU	VU	2	F
<i>Epacris sprengelioides</i>				1	ABEI
<i>Eucalyptus aquatica</i>	Broad-leaved Sally	VU	VU	2	F
<i>Eucalyptus corticosa</i>	Creswick apple box		VU	1, 2	ABDE
<i>Eucalyptus cunninghamii</i>	Cliff mallee ash			1, 2	ABEI
<i>Eucalyptus dissita</i>	Gibraltar mallee		VU	2	AB
<i>Eucalyptus gregsoniana</i>	Wolgan snow gum			1, 2	ABDE
<i>Eucalyptus imlayensis</i>	Imlay mallee	EN	CR	1, 2	ADE
<i>Eucalyptus ligustrina</i>	Privet-leaved stringybark			1, 2	ABDE

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<i>Eucalyptus mannifera</i> subsp. <i>gullickii</i>				2	ABDE
<i>Eucalyptus moorei</i> subsp. <i>moorei</i>				1, 2	ABDE
<i>Eucalyptus olida</i>				1, 2	ABDE
<i>Eucalyptus olsenii</i>				1, 2	ABDE
<i>Eucalyptus pachycalyx</i> subsp. <i>banyabba</i>	Banyabba shiny-barked gum	EN	EN	1, 2	ABDEK
<i>Eucalyptus paliformis</i>				1, 2	ABCEJ
<i>Eucalyptus scias</i> subsp. <i>apoda</i>				1, 2	ABDE
<i>Eucalyptus scopulorum</i>				1, 2	ABDE
<i>Eucalyptus</i> sp. Howes Swamp Creek		EN	EN	1, 2	ABCDE
<i>Eucalyptus stenostoma</i>				1, 2	ABDEHJ
<i>Eucalyptus stricta</i>	Blue Mountains mallee ash			1, 2	ABDE
<i>Eucalyptus sturgissiana</i>	Ettrema mallee		VU	1, 2	ABDEK
<i>Eucryphia moorei</i>	Pinkwood			1	H
<i>Euphrasia bella</i>	Pretty eyebright	VU	VU	1, 2	FJK
<i>Euphrasia bowdeniae</i>		VU	VU	2	JK
<i>Galium roddii</i>				1, 2	ACFGJ
<i>Gaultheria viridicarpa</i>	Green waxberry		EN	2	DFJ
<i>Genoplesium littorale</i>	Tuncurry midge orchid	CR	CR	1, 2	AEF
<i>Genoplesium plumosum</i>	Tallong midge orchid	EN	CR	2	K
<i>Genoplesium superbum</i>	Superb midge orchid		EN	1, 2	ABCEFK
<i>Gentiana baeuerlenii</i>	Baeuerlen's gentian	EN	EN	2	CFJ
<i>Gentiana bredboensis</i>	Bredbo gentian	CR	CR	1, 2	CGJ
<i>Gentiana wissmannii</i>	New England gentian	VU	VU	1, 2	ACEFJK
<i>Gentianella muelleriana</i> subsp. <i>jingerensis</i>				1	CJ
<i>Goodenia dimorpha</i> var. <i>dimorpha</i>				2	AEF
<i>Goodenia heterophylla</i> subsp. <i>montana</i>				1, 2	ABCEJ

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<i>Grevillea acanthifolia</i> subsp. <i>paludosa</i>	Bog grevillea	EN	EN	1, 2	CJ
<i>Grevillea acanthifolia</i> subsp. <i>stenomera</i>				2	ABDE
<i>Grevillea acerata</i>				1, 2	ABDEJ
<i>Grevillea aspleniifolia</i>				1, 2	ACEJ
<i>Grevillea bemboka</i>				1	BE
<i>Grevillea buxifolia</i> subsp. <i>ecorniculata</i>				1, 2	ABCEJ
<i>Grevillea mollis</i>	Soft grevillea	EN	EN	1, 2	ABDJ
<i>Grevillea molyneuxii</i>	Wingello grevillea	EN	VU	1, 2	ABCEJ
<i>Grevillea rhizomatosa</i>	Gibraltar grevillea	VU	VU	1, 2	ABDE
<i>Grevillea rhyolitica</i> subsp. <i>semivestita</i>				1, 2	ABEF
<i>Hakea constablei</i>				1, 2	ABEHJ
<i>Hakea dohertyi</i>	Kowmung hakea	EN	EN	1, 2	ABCEHJ
<i>Hakea macrorrhyncha</i>				1	BCEHJ
<i>Hibbertia circinata</i>			CR	1, 2	ADE
<i>Hibbertia cistiflora</i> subsp. <i>quadriflorata</i>				1, 2	ABEJ
<i>Hibbertia coloensis</i>				1, 2	ABDI
<i>Hibbertia florida</i>				1	A
<i>Hibbertia fruticosa</i> subsp. <i>fruticosa</i>				1	AE
<i>Hibbertia notabilis</i>	Howe guinea flower			1, 2	AD
<i>Hibbertia porcata</i>				1	ABCE
<i>Hibbertia praemorsa</i>	Bundanoon guinea flower			1, 2	ABEI
<i>Hibbertia pustulata</i>				2	AB
<i>Hibbertia rhynochalyx</i>				1, 2	ABDEJ
<i>Hibbertia saligna</i>				1, 2	ABDEJ
<i>Hibbertia singularis</i>				1	BE
<i>Hibbertia villosa</i>				1, 2	ABDEJ
<i>Homoranthus binghiensis</i>	Binghi homoranthus		EN	1, 2	ABCEJ
<i>Hovea pedunculata</i>				1	ABDEJ

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<i>Hymenophyllum pumilum</i>				1, 2	ABEFI
<i>Isopogon fletcheri</i>	Fletcher's drumsticks	VU	VU	1, 2	ABCDEI
<i>Juncus laeviusculus</i>				2	A
<i>Kardomia odontocalyx</i>				1, 2	ABCEJ
<i>Kardomia prominens</i>			CR	1, 2	BDEJ
<i>Kardomia silvestris</i>	Woodland babingtonia		EN	2	BJ
<i>Kunzea aristulata</i>				1	ABCDE
<i>Kunzea juniperoides</i> subsp. <i>pernervosa</i>				1, 2	ABCDE
<i>Kunzea</i> sp. Tree form (J.B.Williams NE7973)				1	ABDE
<i>Leionema ceratogynum</i>				1, 2	BE
<i>Leionema lachnaeoides</i>		EN	EN	2	FJ
<i>Lenwebbia</i> sp. Main Range			CR	1, 2	ADH
<i>Lepidosperma evansianum</i>	Evans sedge		VU	2	AEFI
<i>Leptospermum benwellii</i>				1, 2	ABDE
<i>Leptospermum crassifolium</i>				1, 2	ABDE
<i>Leptospermum macrocarpum</i>				1, 2	ABDE
<i>Leptospermum petraeum</i>				1, 2	ADE
<i>Leptospermum rotundifolium</i>				1	ABDE
<i>Leptospermum spectabile</i>				1, 2	ABDE
<i>Leptospermum subglabratum</i>				1, 2	ABDE
<i>Leptospermum thompsonii</i>	Monga tea tree	VU	VU	1, 2	ACDEJ
<i>Leucochrysum graminifolium</i>				1, 2	ACEJK
<i>Leucopogon confertus</i>	Torrington beard-heath	EN	EN	1, 2	BCJ
<i>Macrozamia humilis</i>	Inverell cycad		EN	2	A
<i>Macrozamia johnsonii</i>	Johnson's cycad		EN	1, 2	ABEK

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<i>Melaleuca capitata</i>				1, 2	ABDE
<i>Melichrus</i> sp. <u>Gibberagee</u>	Narrow-leaf melichrus	EN	EN	1, 2	AEFK
<i>Nematolepis rhytidophylla</i>	Nalbaugh nematolepis	VU	VU	1, 2	ABDJ
<i>Olearia rugosa</i> subsp. <i>distalilobata</i>				1	ABE
<i>Olearia</i> sp. <i>Henry River</i> (J.B.Williams 21/Oct/1966)				1	ABE
<i>Persoonia acerosa</i>	Needle geebung	VU	VU	1, 2	ABDEJ
<i>Persoonia hindii</i>			EN	1, 2	BCE
<i>Persoonia hirsuta</i>	Hairy geebung	EN	EN	2	BJ
<i>Persoonia rufa</i>				1, 2	ABDEJ
<i>Persoonia terminalis</i> subsp. <i>terminalis</i>				1, 2	BCEFJ
<i>Ptherosphaera fitzgeraldii</i>	Dwarf mountain pine	EN	EN	2	BFHJK
<i>Philotheca obovatifolia</i>			EN	1, 2	BCDEJ
<i>Pimelea bracteata</i>			CR	2	CDJ
<i>Pimelea cremnophila</i>			CR	1, 2	CEIJ
<i>Pimelea venosa</i>	Bolivia Hill pimelea	EN	EN	2	CJ
<i>Plinthanthesis rodwayi</i>	Budawangs wallaby grass	VU	CR	1, 2	ACE
<i>Pomaderris brunnea</i>	Brown pomaderris	VU	EN	1, 2	ABC JFK
<i>Pomaderris cotoneaster</i>	Cotoneaster pomaderris	EN	EN	1, 2	ACE JFK
<i>Pomaderris gilmourii</i> var. <i>cana</i>	Grey deua pomaderris	VU	VU	1, 2	BEJ
<i>Pomaderris ligustrina</i> subsp. <i>latifolia</i>				1	ABDEJ
<i>Pomaderris sericea</i>	Silky pomaderris	VU	EN	1, 2	AEFJ
<i>Prasophyllum bagoense</i>		CR	CR	1, 2	CEFK
<i>Prasophyllum fuscum</i>	Slaty leek orchid	VU	CR	1, 2	AEF
<i>Prasophyllum innubum</i>		CR	CR	1, 2	CE
<i>Prasophyllum keltonii</i>	Kelton's leek orchid	CR	CR	1, 2	CE
<i>Prasophyllum pallens</i>	Musty leek orchid		VU	1, 2	ACEF
<i>Prasophyllum</i> sp. <i>Majors Creek</i>	Majors Creek leek orchid		CR	1, 2	ACE



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<i>Prostanthera palustris</i>	Swamp mint-bush	VU	VU	1, 2	BDEJK
<i>Prostanthera saxicola</i>				1	ABDEJ
<i>Prostanthera sejuncta</i>			VU	1, 2	BEJ
<i>Prostanthera</i> sp. Mt Kaputar (W.Schofield NE92414)				1	AC
<i>Prostanthera</i> sp. Rowleys Creek (L.M.Copeland 4288)				1	CEI
<i>Prostanthera tallowa</i>				1, 2	ABCE
<i>Pterostylis barringtonensis</i>				1, 2	A
<i>Pterostylis elegans</i>	Elegant greenhood		VU	2	ACFK
<i>Pterostylis metcalfei</i>	Metcalfe's greenhood		EN	2	ACEFK
<i>Pterostylis oreophila</i>	Blue-tongued greenhood	CR	CR	1, 2	C
<i>Pterostylis ventricosa</i>			CR	2	AFK
<i>Pultenaea baeuerlenii</i>	Budawangs bush-pea	VU	VU	1, 2	ABE
<i>Pultenaea elusa</i>	Elusive bush-pea	EN	CR	1, 2	ACJ
<i>Pultenaea glabra</i>	Smooth bush-pea	VU	VU	1, 2	ABCDEF JK
<i>Pultenaea parrisiae</i>	Parris' bush-pea	VU	VU	1, 2	ABCDEJ
<i>Pultenaea pycnocephala</i>				1	ABDEJ
<i>Pultenaea</i> sp. Olinda			EN	1, 2	ABEJ
<i>Pultenaea tarik</i>				1, 2	ABDEJ
<i>Rhizanthella slateri</i>	Eastern Australian underground orchid	EN	VU	2	FK
<i>Rhodamnia rubescens</i>	Scrub turpentine		CR	1, 2	DH
<i>Rhodanthe</i> sp. Point Lookout (J.J.Bruhl 2078)				1	E
<i>Rutidosis leiolepis</i>	Monaro golden daisy	VU	VU	2	F
<i>Sannantha whitei</i>				1	AEF
<i>Solanum armourense</i>			EN	1, 2	ABCEJ
<i>Solanum limitare</i>	Border Ranges nightshade		EN	2	FJ
<i>Solanum sulphureum</i>	Manning yellow solanum	EN	EN	1, 2	EJ
<i>Spyridium cinereum</i>	Tiny spyridium			1	ABEJ

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<i>Styphelia perileuca</i>	Montane green five-corners	VU	VU	1, 2	ABCEJ
<i>Tasmannia glaucifolia</i>	Fragrant pepperbush	VU	VU	2	ADFK
<i>Telopea aspera</i>	Gibraltar Range waratah			1, 2	ABDE
<i>Tetralochea subaphylla</i>				1	ABDE
<i>Thelymitra atronitida</i>	Black-hooded sun orchid		CR	2	AE
<i>Thelymitra incurva</i>				1	AE
<i>Thismia clavarioides</i>				1, 2	AEI
<i>Trachymene scapigera</i>	Mountain trachymene	EN	EN	1, 2	AEG
<i>Triplarina imbricata</i>	Creek triplarina	EN	EN	1, 2	BDEF
<i>Typhonium</i> sp. aff. <i>brownii</i>	Stinky lily		EN	2	F
<i>Veronica lithophila</i>				1	ABCEI
<i>Wollemia nobilis</i>	Wollemi pine	CR	CR	1, 2	ABDEH
<i>Zieria adenophora</i>	Araluen zieria	EN	CR	1, 2	CJ
<i>Zieria covenyi</i>	Coveny's zieria	EN	EN	1, 2	ABCEI
<i>Zieria floydii</i>	Floyd's zieria	EN	EN	1, 2	ABEJ
<i>Zieria murphyi</i>	Velvet zieria	VU	VU	1, 2	ABCEJ

## References

- Auld TD, Mackenzie BDE, Le Breton T, Keith DA, Ooi MKJ, Allen S, Gallagher RV 2020, *A preliminary assessment of the impact of the 2019/2020 fires on NSW plants of national significance*, Unpublished report to NSW DPIE.
- Gallagher RV 2020, *Final national prioritisation of Australian plants affected by the 2019-2020 bushfire season version 1.4*, Report to the Commonwealth Department of Agriculture, Water and Environment.