



FLORA AND FAUNA GUARANTEE - SCIENTIFIC ADVISORY COMMITTEE
FINAL RECOMMENDATION ON UPDATES TO THE *FLORA AND FAUNA GUARANTEE ACT*
1988 THREATENED LIST

DOCID107-417469679-742

Date of receipt of nomination: 19 June 2023

Date of preliminary recommendation: 1 October 2023

Date of final recommendation decision: 23 October 2024

Validity: The nomination is for valid items.

Prescribed Information: The prescribed information was provided.

Name of the Nominator is adequately provided.

Name of the Items is adequately provided.

Required updates to the *Flora and Fauna Guarantee Act 1988* Threatened List

In 2021, the *Flora and Fauna Guarantee Act 1988* (FFG Act) Threatened List was substantially updated following the completion of the Conservation Status Assessment (CSA) project undertaken by the then Department of Environment, Land, Water and Planning. The CSA project re-assessed the conservation status of plants, animals and fungi that were considered rare or threatened in Victoria. During the bulk listing of almost 2000 taxa, administrative errors resulted in the incorrect Gazettal of the Extinction Risk and/or Category of Threat for a group of taxa, and for other taxa, updated data became available after Gazettal regarding the correct Extinction Risk and/or Category of Threat (Table 1).

Eligibility for listing on the FFG Act Threatened List

The Scientific Advisory Committee (SAC) has assessed the eligibility of the taxa in Table 1 below and are of the opinion that all are eligible for listing as each taxon satisfies at least one criterion of the set of criteria prepared and maintained under Division 2 of Part 3 of the FFG Act and stated in Schedule 1 of the FFG Regulations.

As required under the Intergovernmental Memorandum of Understanding - Agreement on a Common Assessment Method for Listing of Threatened Species (to which Victoria is a signatory), eligibility has also been assessed in accordance with the *IUCN Red List Categories and Criteria (Version 3.1)* and *Guidelines for Using the IUCN Red List Categories and Criteria (version16, 2024)*.

For details of the IUCN criteria see Appendix 1.

Decision by the Scientific Advisory Committee

The SAC makes the final recommendation to correct errors and update the FFG Act Threatened List (Table 1). The updated Threatened List will reflect the correct status as that arising from the most current threatened species assessment report (see Appendix 2).

Table 1: Required corrections and updates to listed taxa on the FFG Act Threatened List.

Taxon ID	Scientific Name	Common Name	Current FFG Act Extinction Risk	Correct FFG Act Extinction Risk	Current FFG Act Category of Threat	Correct FFG Act Category of Threat
500296	<i>Astelia australiana</i>	Tall Astelia	Australia	No change	Critically Endangered	Endangered
500432	<i>Bossiaea bracteosa</i>	Mountain Leafless Bossiaea	Victoria	Australia	Vulnerable	Endangered
500771	<i>Caladenia insularis</i>	French Island Spider-orchid	Victoria	Australia	Endangered	No change
500693	<i>Celmisia sericophylla</i>	Silky Snow-daisy	Australia	No change	Critically Endangered	Endangered
1634	<i>Euastacus crassus</i>	Alpine Spiny Crayfish	Australia	Victoria	Endangered	No change
1644	<i>Euastacus yanga</i>	Variable Spiny Crayfish	Australia	Victoria	Endangered	No change
903034	<i>Galaxiella toourtkoourt</i>	Little Galaxias	Australia	Victoria	Endangered	No change
15203	<i>Geminoropa scindocataracta</i>	Land Snail	Victoria	Australia	Endangered	No change
501488	<i>Gonocarpus serpyllifolius</i>	Flat Raspwort	Victoria	No change	Vulnerable	Endangered
501173	<i>Haegiela tatei</i>	Small Nut-heads	Victoria	No change	Critically Endangered	Endangered
507783	<i>Hakea asperma</i>	Native Dog Hakea	Australia	No change	Endangered	Critically Endangered
501581	<i>Haloragis eichleri</i>	Eichler's Raspwort	Victoria	No change	Vulnerable	Critically Endangered
503787	<i>Hovea purpurea</i>	Tall Hovea	Victoria	No change	Vulnerable	Critically Endangered
501713	<i>Hydrilla verticillata</i>	Hydrilla	Victoria	No change	Vulnerable	Critically Endangered
501942	<i>Leiocarpa gatesii</i>	Wrinkled Buttons	Australia	No change	Critically Endangered	Endangered
501909	<i>Lepidium pseudopapillosum</i>	Erect Peppercross	Victoria	No change	Critically Endangered	Endangered
503863	<i>Maireana georgei</i>	Slit-wing Bluebush	Victoria	No change	Critically Endangered	Endangered
502232	<i>Muellerina celastroides</i>	Coast Mistletoe	Victoria	No change	Critically Endangered	Endangered
504846	<i>Prostanthera lasianthos</i> var. <i>subcoriacea</i>	Grampians Christmas-bush	Victoria	Australia	Vulnerable	No change
504727	<i>Pterostylis X aenigma</i>	Enigmatic Greenhood	Victoria	Australia	Critically Endangered	No change
75236	<i>Temognatha sanguinipennis</i>	Jewel Beetle	Victoria	No change	Endangered	Vulnerable
15050	<i>Victaphanta compacta</i>	Otway Black Snail	Victoria	Australia	Endangered	No change

Documentation

The published information provided to and sourced by the SAC has been assessed. To the best of their knowledge, the SAC believes that the data presented are not the subject of scientific dispute and the inferences drawn are reasonable and well-supported.

Advertisement for public comment

In accordance with the requirements of Section 16D of the FFG Act, the preliminary recommendation was advertised for a period of at least 30 days.

The preliminary recommendation was advertised in:

Victorian Government Gazette on 16 August 2024
DEECA website

Public submissions closed on 16 September 2024.

Additional information considered by the Scientific Advisory Committee

Following publication of the preliminary recommendation, the SAC did not receive any public submissions. In formulating its final recommendation, the SAC was not aware of any evidence to warrant a change to the preliminary recommendation that the required updates to the Threatened List be made.

Final Recommendation of the Scientific Advisory Committee

The Scientific Advisory Committee makes a final recommendation that the taxa in Table 1 be updated on the Threatened List in accordance with Section 16D of the *Flora and Fauna Guarantee Act 1988*.

Endorsement by the Convenor of the Scientific Advisory Committee

Date



Dr. Michelle T. Casanova
Convenor

24 October 2024

Appendix 1: IUCN Red List Categories and Criteria

SUMMARY OF THE FIVE CRITERIA (A-E) USED TO EVALUATE IF A TAXON BELONGS IN AN IUCN RED LIST THREATENED CATEGORY (CRITICALLY ENDANGERED, ENDANGERED OR VULNERABLE).¹

A. Population size reduction. Population reduction (measured over the longer of 10 years or 3 generations) based on any of A1 to A4			
	Critically Endangered	Endangered	Vulnerable
A1	≥ 90%	≥ 70%	≥ 50%
A2, A3 & A4	≥ 80%	≥ 50%	≥ 30%
A1 Population reduction observed, estimated, inferred, or suspected in the past where the causes of the reduction are clearly reversible AND understood AND have ceased. A2 Population reduction observed, estimated, inferred, or suspected in the past where the causes of reduction may not have ceased OR may not be understood OR may not be reversible. A3 Population reduction projected, inferred or suspected to be met in the future (up to a maximum of 100 years) [(a) cannot be used for A3]. A4 An observed, estimated, inferred, projected or suspected population reduction where the time period must include both the past and the future (up to a max. of 100 years in future), and where the causes of reduction may not have ceased OR may not be understood OR may not be reversible.	<i>based on any of the following:</i>		(a) direct observation [except A3] (b) an index of abundance appropriate to the taxon (c) a decline in area of occupancy (AOO), extent of occurrence (EOO) and/or habitat quality (d) actual or potential levels of exploitation (e) effects of introduced taxa, hybridization, pathogens, pollutants, competitors or parasites.
B. Geographic range in the form of either B1 (extent of occurrence) AND/OR B2 (area of occupancy)			
	Critically Endangered	Endangered	Vulnerable
B1. Extent of occurrence (EOO)	< 100 km ²	< 5,000 km ²	< 20,000 km ²
B2. Area of occupancy (AOO)	< 10 km ²	< 500 km ²	< 2,000 km ²
AND at least 2 of the following 3 conditions:			
(a) Severely fragmented OR Number of locations	= 1	≤ 5	≤ 10
(b) Continuing decline observed, estimated, inferred or projected in any of: (i) extent of occurrence; (ii) area of occupancy; (iii) area, extent and/or quality of habitat; (iv) number of locations or subpopulations; (v) number of mature individuals			
(c) Extreme fluctuations in any of: (i) extent of occurrence; (ii) area of occupancy; (iii) number of locations or subpopulations; (iv) number of mature individuals			
C. Small population size and decline			
	Critically Endangered	Endangered	Vulnerable
Number of mature individuals	< 250	< 2,500	< 10,000
AND at least one of C1 or C2			
C1. An observed, estimated or projected continuing decline of at least (up to a max. of 100 years in future):	25% in 3 years or 1 generation (whichever is longer)	20% in 5 years or 2 generations (whichever is longer)	10% in 10 years or 3 generations (whichever is longer)
C2. An observed, estimated, projected or inferred continuing decline AND at least 1 of the following 3 conditions:			
(a) (i) Number of mature individuals in each subpopulation	≤ 50	≤ 250	≤ 1,000
(ii) % of mature individuals in one subpopulation =	90–100%	95–100%	100%
(b) Extreme fluctuations in the number of mature individuals			
D. Very small or restricted population			
	Critically Endangered	Endangered	Vulnerable
D. Number of mature individuals	< 50	< 250	D1. < 1,000
D2. Only applies to the VU category Restricted area of occupancy or number of locations with a plausible future threat that could drive the taxon to CR or EX in a very short time.	-	-	D2. typically: AOO < 20 km ² or number of locations ≤ 5
E. Quantitative Analysis			
	Critically Endangered	Endangered	Vulnerable
Indicating the probability of extinction in the wild to be:	≥ 50% in 10 years or 3 generations, whichever is longer (100 years max.)	≥ 20% in 20 years or 5 generations, whichever is longer (100 years max.)	≥ 10% in 100 years

¹ Use of this summary sheet requires full understanding of the IUCN Red List Categories and Criteria and Guidelines for Using the IUCN Red List Categories and Criteria. Please refer to both documents for explanations of terms and concepts used here.

Appendix 2: Threatened Species Assessment Reports.

Taxon ID	Scientific Name	Common Name	Link to Threatened Species Assessment Report.
500296	<i>Astelia australiana</i>	Tall Astelia	PDF: https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675424 Microsoft Word (accessible): https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675423
500432	<i>Bossiaea bracteosa</i>	Mountain Leafless Bossiaea	PDF: https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675426 Microsoft Word (accessible): https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675425
500771	<i>Caladenia insularis</i>	French Island Spider-orchid	PDF: https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675428 Microsoft Word (accessible): https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675427
500693	<i>Celmisia sericophylla</i>	Silky Snow-daisy	PDF: https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675386 Microsoft Word (accessible): https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675385
1634	<i>Euastacus crassus</i>	Alpine Spiny Crayfish	PDF: https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675388 Microsoft Word (accessible): https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675387
1644	<i>Euastacus yanga</i>	Variable Spiny Crayfish	PDF: https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675390 Microsoft Word (accessible): https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675389
903034	<i>Galaxiella toourtkoourt</i>	Little Galaxias	PDF: https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675392 Microsoft Word (accessible): https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675391
15203	<i>Geminoropa scindocataracta</i>	Land Snail	PDF: https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675394

			Microsoft Word (accessible): https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675393
501488	<i>Gonocarpus serpyllifolius</i>	Flat Raspwort	PDF: https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675396 Microsoft Word (accessible): https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675395
501173	<i>Haegiela tatei</i>	Small Nut-heads	PDF: https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675398 Microsoft Word (accessible): https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675397
507783	<i>Hakea asperma</i>	Native Dog Hakea	PDF: https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675400 Microsoft Word (accessible): https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675399
501581	<i>Haloragis eichleri</i>	Eichler's Raspwort	PDF: https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675402 Microsoft Word (accessible): https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675401
503787	<i>Hovea purpurea</i>	Tall Hovea	PDF: https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675404 Microsoft Word (accessible): https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675403
501713	<i>Hydrilla verticillata</i>	Hydrilla	PDF: https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675406 Microsoft Word (accessible): https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675405
501942	<i>Leiocarpa gatesii</i>	Wrinkled Buttons	PDF: https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675408 Microsoft Word (accessible): https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675407
501909	<i>Lepidium pseudopapillosum</i>	Erect Peppercross	PDF: https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675410 Microsoft Word (accessible):

			https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675409
503863	<i>Maireana georgei</i>	Slit-wing Bluebush	PDF: https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675412 Microsoft Word (accessible): https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675411
502232	<i>Muellerina celastroides</i>	Coast Mistletoe	PDF: https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675414 Microsoft Word (accessible): https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675413
504846	<i>Prostanthera lasianthos</i> var. <i>subcoriacea</i>	Grampians Christmas-bush	PDF: https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675416 Microsoft Word (accessible): https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675415
504727	<i>Pterostylis</i> X <i>aenigma</i>	Enigmatic Greenhood	PDF: https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675418 Microsoft Word (accessible): https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675417
75236	<i>Temognatha sanguinipennis</i>	Jewel Beetle	PDF: https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675420 Microsoft Word (accessible): https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675419
15050	<i>Victaphanta compacta</i>	Otway Black Snail	PDF: https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675422 Microsoft Word (accessible): https://www.environment.vic.gov.au/conserving-threatened-species/threatened-list?a=675421