Western Australian Flora Statistics
2015 Vascular Flora Statistics

Table 1. Analysis of the size of vascular plant divisions for various categories of name; data sourced on 1 June 2015.

Category	Pteridophytes	Gymnosperms	Monocots	Dicots*	Total
Total names [A]	143	41	3,856	16,923	20,963
Non-current names [B]	35	14	1,164	4,923	6,136
Current names [C]	108	27	2,692	12,000	14,827
Species with infraspecies [K]	8	0	147	964	1,119
Current taxa [D]	100	27	2,545	11,036	13,708
Current alien taxa	8	10	372	881	1,271
Current native taxa	92	17	2,173	10,155	12,437
Current species [E]	98	27	2,384	10,057	12,566
Current alien species	8	10	361	870	1,249
Current native species	90	17	2,023	9,187	11,317
Manuscript names [F]	0	0	19	51	70
Phrase names [G]	0	0	270	1,113	1,383
Published species [H]	98	27	2,118	9,022	11,265
Published alien species [I]	8	10	361	868	1,247
Published native species [J]	90	17	1,757	8,154	10,018
Named hybrids [L]	0	0	28	39	67
Un-named hybrids	0	0	2	34	36

- The term *taxa* here refers to entities at species level and below
- The term *species* refers only to those entities at species rank
- * The term *dicot* is here used in its traditional sense to retain compatibility with previous tables and for ease of use. 'Dicotyledons' is now strictly a paraphyletic assemblage of the Nymphaeales, 'magnoliids' and 'eudicot' clades (cf. [New Systematic Sequence](#))

Highlights

A brief comparison of the 2015 data with the previous year (2014).

- the addition of 152 vascular plant names to the Census of Western Australian Plants database. This decrease of c. 100 from the aggregate number added in 2014 is likely due to the predominant transition of existing names in the Census to different states of publication;
- there are 76 additional taxa recognised as occurring in the State: 45 native taxa and 31 naturalised taxa;
- the number of published species rose by 105 to 11,265, including 76 native species and 29 naturalised species;
- the number of published native species broke the 10,000 mark, rising by 76, from 9,942 in 2014 to 10,018 species in 2015;
- a very small decrease in the number (-5) of manuscript names in current use, down to 70, continuing the trend of the last 7 years, due either to their formal publication or their conversion to phrase names as part of the Australian Plant Census project;
- a decrease (-28) in the number of phrase names in current use, down to 1,383, due predominantly to their transition into published taxa;
- therefore, for the fifth year in succession, there has been a <u>decrease (-33)</u> in the number of putative taxa yet to be researched and published, from 1,486 in 2014 to 1,453 in 2015.

Compiler's Note

While the current contents are manual concatenations of census data, or static tables drawn from recent published works, it is intended that future versions of this page will contain live flora statistics drawn directly from the constantly maintained datasets held at the Western Australian Herbarium. At that time we would also seek to disseminate the standard logic behind the accurate calculation of these statistics. In this way, not only will the latest figures be available at all times, but the correct methodology for calculating and applying those figures will become better understood.

Compiled by Alex Chapman; last updated on 16 June 2014.

Related content

- Highlights
- Cryptogam Statistics
- Floristics and Endemism in WA
- New systematic family sequence

Did you notice?

There is a diminishing relationship between figures in subsequent rows of the table, as figures in each category are subtracted from the ones above. For example: in each column: A − B = C.

Highlighted rows

Highlighted rows are the recommended figures if you need:

- to cite the actual number of known entities in WA (D), or
- a conservative estimate of the number of well-documented species (H).