

**Progress Report SP 2009-006**

**Taxonomic resolution and description of new  
plant species, particularly priority flora from those  
areas subject to mining in Western Australia**

**BCS Plant Science and Herbarium**

**Project Core Team**

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**Project status as of Sept. 27, 2023, 1:03 p.m.**

X X Update requested

**Document endorsements and approvals as of Sept. 27, 2023, 1:03 p.m.**

X X  
**Project Team** granted  
**Program Leader** granted  
**Directorate** required



# Taxonomic resolution and description of new plant species, particularly priority flora from those areas subject to mining in Western Australia

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## Context

[variant=australian]Western Australia has a rich flora that is far from fully known. New species continue to be discovered through the taxonomic assessment of herbarium collections, floristic surveys and the botanical assessment of mineral leases. There are more than 1062 putatively new and undescribed taxa on Western Australia's vascular plant census, almost half of which are poorly known, geographically restricted and/or under threat (i.e. Threatened or Priority Flora). The lack of detailed information on these taxa makes accurate identification problematic and inevitably delays the Department's ability to survey and accurately assess their conservation status.

## Aims

- [variant=australian]Resolve the taxonomy and expedite the description of phrase-named plant taxa, particularly Threatened and Priority Flora and those vulnerable to future mining activities.

## Progress

### Management implications

- [variant=american]The provision of names, scientific descriptions, illustrations and associated data will enhance the capacity of conservation and industry personnel to identify these new species, thereby improving conservation assessments and effective management.

## Future directions

- Identify and formally describe new taxa of conservation significance.