

# Introduction to the Hunter Rare Plants Database – Version 1

## January 2003

### 1. Background

The Hunter Rare Plants Committee of the Hunter Regional Botanic Gardens was established in July 2000, in response to the need for a collaborated approach to protecting the regions' rare and threatened plants and vegetation. As a result, the committee is developing a register of Regionally Significant Plant species, populations and vegetation communities, which is presented here as a working document. The register is based on previously published and unpublished documents listing significant species, together with the field knowledge of several regional botanists. It is intended that formal assessment of each of the entries on the register will take place, with subsequent versions of the database being published to reflect the ongoing development of the list.

### 2. Organisation

The list presented here is Version 1, developed in January 2003. It is split into three parts:

Part 1 - Species

Part 2 - Populations

Part 3 - Vegetation Communities.

Part 1 is ordered alphabetically by family name, then by genus and species. Parts 2 and 3 are ordered alphabetically by population or vegetation community name.

### 3. Coverage

The list applies to three Native Vegetation Mapping Regions – those covered by the Hunter, Karuah – Great Lakes and Central Coast Regional Vegetation Committees. These areas are collectively referred to as the "Hunter Region" in this report. The following local government areas are included within those Regions:

Hunter: Newcastle  
Maitland  
Dungog  
Cessnock  
Singleton  
Muswellbrook  
Merriwa  
Scone  
Murrurundi (that part south of the Liverpool Range)

Karuah – Great Lakes: Port Stephens  
Great Lakes

Central Coast: Lake Macquarie  
Wyong  
Gosford

## 4. Coding System

The following codes have been used in the list.

### **Regional Listing Status**

- 1 has been assessed by committee
- 2 yet to be assessed – listing provisional

### **Formal Conservation Status**

TSC-E	endangered species on NSW <i>TSC Act</i> 1995
TSC-V	vulnerable species on NSW <i>TSC Act</i> 1995
TSC-Epop	endangered population on NSW <i>TSC Act</i> 1995
TSC-EEC	endangered ecological community on NSW <i>TSC Act</i> 1995
EPBC-CR	critically endangered species on Commonwealth <i>EPBC Act</i> 1999
EPBC-E	endangered species on Commonwealth <i>EPBC Act</i> 1999
EPBC-V	vulnerable species on Commonwealth <i>EPBC Act</i> 1999
EPBC-CREC	critically endangered community on Commonwealth <i>EPBC Act</i> 1999
EPBC-EEC	endangered ecological community on Commonwealth <i>EPBC Act</i> 1999
EPBC-VEC	vulnerable community on Commonwealth <i>EPBC Act</i> 1999
ROTAP	list codes as per Briggs & Leigh 1996. Suggested codes are included in parentheses
N	if not listed on any of the above

### **Current Threats**

- x no threats
- 1 clearing and under scrubbing, loss of vegetation due to grazing, mining, forestry, urban development, etc; loss of wetland habitat
- 2 loss of ecological integrity - cumulative impacts, including weed invasion, inappropriate fire regimes, die-back and results of non-equilibrium natural processes, etc
- 3 loss of biological integrity - loss of genetic diversity and viability, high pollinator specificity, loss of pollination vectors and/or dispersal mechanisms

### **Regional Significance**

L	endemic to Hunter Region
DA	disjunct in the Hunter Region, rare or localised (aggregated)
DB	disjunct in the Hunter Region, widespread and uncommon (broad)
R	rare but extends beyond the Hunter Region
U	everywhere uncommon
N	at northern distributional limit in the Hunter Region
E	at eastern distributional limit in the Hunter Region
S	at southern distributional limit in the Hunter Region
W	at western distributional limit in the Hunter Region
T	may be threatened in the Hunter Region
S	probably secure in the Hunter Region

## 5. Disclaimer

This list is a work in progress. The list represents the views of the Hunter Rare Plants Committee, which is a sub-committee of the Hunter Region Botanic Gardens. The Hunter Rare Plants Committee does not claim that the information on the list is entirely true or accurate, although the best efforts have been made to validate all data as much as possible.

## **6. Reference**

This worked can be referenced as:

Bell, S.A.J., Peake, T., Tame, T., Simpson, J., & Curran, T. (in prep.). Regionally significant vegetation of the Hunter Valley and Central Coast, New South Wales: A working register. Version 1. Hunter Rare Plants Committee, Hunter Region Botanic Gardens. January 2003.