Threatened Species of the Northern Territory

Boronia viridiflora

**Conservation status**
Australia: Vulnerable
Northern Territory: Vulnerable

**Description**

*Boronia viridiflora* is a shrub, growing perpendicular or slightly upwards from vertical rock faces. Its stems are 1.5-2 m long, and 4-angled. Its leaves are simple, elliptic to oblanceolate, red tipped. *Boronia viridiflora* differs from *B. quadrilata* by its horizontal habit, smaller, oblanceolate, subsessile leaves and smaller flowers and fruits.

Flowering and Fruiting: Apr, June.

**Distribution**

This species is endemic to the NT, where it is known from two populations south of Nabarlek in Arnhem Land.

**Conservation reserves where reported:**
None

**Ecology**

*Boronia viridiflora* grows from vertical surfaces of cliffs or boulders on the sandstone plateau.

**Conservation assessment**

The population is estimated at approximately 700 mature individuals (K. Brennan *pers. comm.*). This species thus qualifies as **Vulnerable** (under criteria D1+2) as:

- the estimated number of mature individuals is <1000; and
- the species has a restricted distribution estimated to be <20 km².

**Threatening processes**

With a small population of restricted distribution, this species is susceptible to stochastic events. The habitat it occurs in suggests an intolerance of fire and thus an expansion of the population into areas exposed to fire is unlikely. Its recruitment

For more information visit [www.dnr.nt.gov.au](http://www.dnr.nt.gov.au)
potential is likely to be low given the availability of suitable sites and probability of successful dispersal to these sites.

**Conservation objectives and management**

A recovery plan for this species has been implemented from 2006 (Liddle and Gibbons 2006). Actions described in that plan, and currently being implemented, include to:

i. conduct further searches and establish a monitoring program;

ii. develop and implement a fire management program;

iii. involve landholders and the broader community; and

iv. where appropriate, develop an ex-situ population.

**Complied by**

Raelee Kerrigan  
Ian Cowie  
[April 2006]

**References**
