**Platysacesaxatilis**

**Conservation status**
Australia: Not listed  
Northern Territory: Vulnerable

**Description**

*Platysace saxatilis* is a multi-stemmed shrub to 1.5 m, rarely more. Its leaves have a sweet spicy aroma when crushed. The flowers are white.

Flowering: Apr – Oct.  
Fruiting: Jun, Oct, Nov.

**Distribution**

This recently-described species (Keighery 1996) is an Australian endemic. It is known from Hidden Valley, Kununurra (Western Australia) and Keep River National Park.

*Conservation reserves where reported:*  
Keep River National Park.

**Ecology**

It occurs on sandstone cliff faces. Two collections record the species growing on sand, reaching a height of 3m.

**Conservation assessment**

In the NT, this species has a very restricted area of occupancy near the border with Western Australia. The likelihood of immigration of propagules from the WA border population is unknown, but is considered low given the habitat of this species. Approximately 500 individuals were counted in recent survey of known populations in the NT.
The species is classified as **Vulnerable** (under criteria D1+2) based on:

- an estimated population size of <1000 individuals; and
- an area of occupancy estimated to be <20km².

**Threatening processes**

As a cliff face species, it is susceptible to rock falls and other stochastic events. Its habitat suggests a susceptibility to fire and it is unlikely this species will colonise areas regularly burnt. Populations are difficult to assess because of their position in the landscape. It was thus difficult to quantify the number of juveniles in the population. Recruitment is expected to be low given the limited availability of suitable crevices and low likelihood of successful dispersal to them.

**Conservation objectives and management**

Research into the status of the population and further survey are required. A monitoring program should be established. Access to populations to count juveniles will always be difficult. Seed has been collected by the Darwin Botanic Gardens.

**Complied by**

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[April 2006]

**References**