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Department of Biodiversity,  
Conservation and Attractions

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# Pungent jacksonia

E n d a n g e r e d F l o r a o f W e s t e r n A u s t r a l i a

**If you think you have seen this plant, please call  
CALM Moora District on (08) 9651 1424.**

Commonly known as pungent jacksonia, *Jacksonia pungens* ms is distinguished by its conspicuous orange pea flowers with red markings. Flowers are surrounded by large persistent bracteoles, which splay open during flowering and then close over the developing fruit. Pungent jacksonia grows from 0.3 to 1 metre high and 0.4 to 1 metre across. The domed grey shrub is densely branched, with flowers scattered along pungent tipped branches. The pods are flattened, covered in downy hairs, and have woody valves that open before dropping. Flowering occurs from October to February. When flowering does occur, it occurs quickly and is completed within several weeks.

Pungent jacksonia was first collected in 1979 by C. Chapman in the Marchagee area. In 1996, in an extensive survey for the species, two populations were found at the site of the original collection. This survey also included many of the local conservation reserves, but no other populations were located.

Pungent Jacksonia appears to be a disturbance opportunist and, occurring over a range of 2 to 3 kilometres, is only known from three populations. Habitat is on yellow to brown sand or gravelly lateritic soil with quartzite over chert.

Due to the continued habitat degradation and decline in plant numbers, pungent jacksonia was declared as Rare Flora in November 1997 and was ranked as Critically Endangered in November 1998. Weed invasion and inappropriate fire regimes threaten all populations, but the largest threats in the past has been due to damage during road and rail maintenance, and destruction by vehicles.

CALM has set up the Moora District Threatened Flora Recovery Team to coordinate recovery actions that address threats to the survival of the species in the wild (see overleaf).

Pungent jacksonia is currently known from three populations and CALM is keen to know of any others.

If unable to contact the district office on the above number, please phone CALM's Wildlife Branch on (08) 9334 0422.



Orange and red flowers of pungent jacksonia. Photo – Anne Cochrane



Pungent jacksonia in full flower. Photo – Anne Cochrane

## Recovery of a Species



CALM is committed to ensuring that Critically Endangered taxa do not become extinct in the wild. This is done through the preparation of a Recovery Plan (RP) or Interim Recovery Plan (IRP), which outlines the recovery actions that are required to urgently address those threatening processes most affecting the ongoing survival of threatened taxa in the wild and begin the recovery process.

IRPs are prepared by CALM and implemented by Regional or District Recovery Teams consisting of representatives from CALM, Botanic Gardens and Parks Authority, community groups, private landowners, local shires and various government organisations.

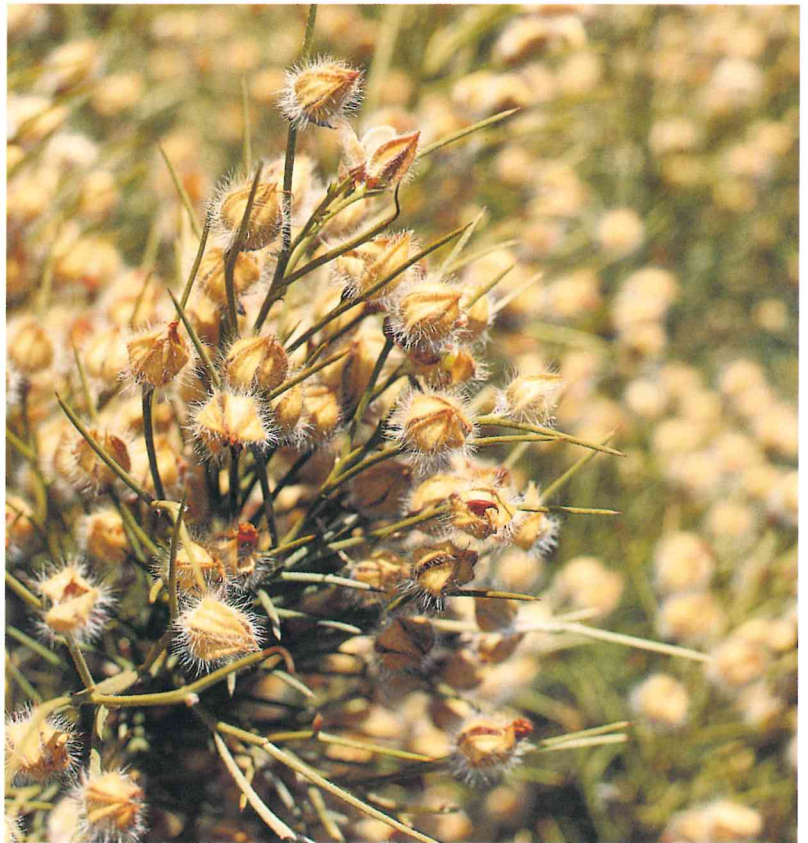
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# Pungent jacksonia

**Recovery actions that have been, and will be, progressively implemented to protect the species include:**

**Protection from current threats:** control of weeds; conducting further surveys; fence maintenance; installation of signs; and regular monitoring of the health of each population.

**Protection from future threats:** the development of both a translocation proposal and a fire management strategy; collection and storage of seed at CALM's Threatened Flora Seed Centre; maintenance of live plants away from the wild (in botanical gardens); and researching the biology and ecology of the species. Other actions include ensuring that relevant authorities, landowners and CALM personnel are aware of the species' presence and the need to protect it, and that all are familiar with the threats identified in the Interim Recovery Plan.



Very sharp branches of pungent jacksonia. Photo – Leonie Monks

IRPs will be deemed a success if the number of individuals within the population and/or the number of populations have increased.

This poster is sponsored by the BankWest LANDSCOPE Conservation Visa Card.



The habitat of pungent jacksonia. Photo – Leonie Monks

