

Threatened species of the Northern Territory

Jinka Spring squat snail

Semotrachia jinkana

Conservation status

Australia: Not listed

Environment Protection and Biodiversity Conservation Act 1999

Northern Territory: Vulnerable

Territory Parks and Wildlife Conservation Act 1976

Description

The Jinka Spring Squat Snail is a small camaenid land snail, with a shell diameter of 7–9 mm. The light brown shell has a moderately elevated spire¹.

Distribution

The Jinka Spring Squat Snail is endemic to the Northern Territory (NT), where it is known only from a small patch of Desert Fig *Ficus brachypoda* trees below Jinka Spring in the Dulcie Ranges, northeast of Alice Springs.

NT conservation reserves where reported: None.

Ecology and life-history

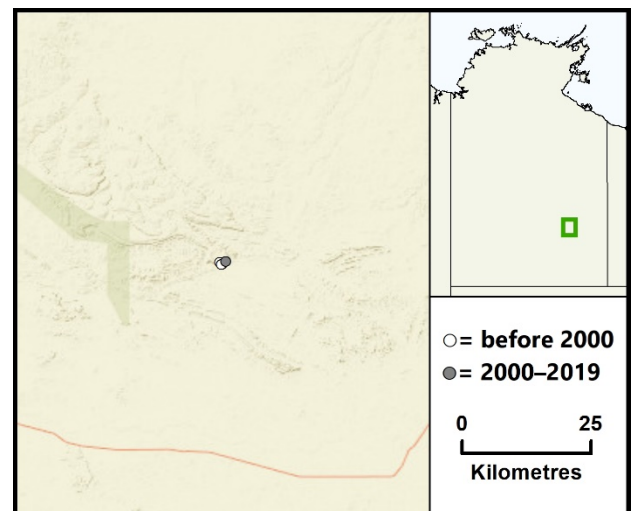
There is no published information on the ecology of Jinka Spring Squat Snail, other than that the only collections have come from leaf litter under Desert Fig trees.



Credit: V. Kessner

Threatening processes

There is no direct evidence that any factors have caused a decline in the numbers or distribution of Jinka Spring Squat Snail. However, there has been no monitoring of status, and this species may be detrimentally affected by an increased frequency and/or intensity of fire, fuelled in part by invasive exotic grasses, particularly Buffel Grass *Cenchrus ciliaris*.



Caption: Known localities of the Jinka Spring Squat Snail in the NT (nrmmaps.nt.gov.au)

Conservation objectives and management

There is currently no management program for Jinka Spring Squat Snail in the NT.

Research priorities are: to conduct further surveys to determine whether the species occurs elsewhere; and to identify specific threats at the known locality.

A monitoring program should be established. The management priority is to better safeguard the known locality through establishment of appropriate fire regimes.

References

¹ Solem, A. 1993. Camaenid land snails from Western and central Australia (Mollusca: Pulmonata: Camaenidae). VI Taxa from the red centre. Rec. West. Aust. Mus. Suppl. 43, 983–1459.