**LAND SNAIL**

**Semotrachia illarana**

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

**Description**

*Semotrachia illarana* is a small (shell diameter 7-8 mm) camaenid land snail. Distinguishing characters are listed in Solem (1993).

**Distribution**

This small snail has been reported only from Illara Waterhole south of the James Ranges on a tributary of the Palmer River, southwest of Alice Springs. Another putative location, near Areyonga (28 km to the north of Illara Waterhole), probably represents a distinct species (Solem 1993).

Conservation reserves where reported:  
None.

**Ecology**

There is no published information on the ecology of this species, other than that the only collections have come from leaf litter under fig trees.

**Conservation assessment**

This species is one of a set of snail species listed here that are all relatively restricted in their geographic range and are exposed to processes that may lead to their decline. This species is classified as Vulnerable (under criteria B1ab(i,ii,iii)+2ab(i,ii,iii)) based on:

- extent of occurrence <20,000 km²;
- area of occupancy <2,000 km²;
- known to exist at <10 locations; and
- continuing decline observed, inferred or projected.

**Threatening processes**

There is no direct evidence that any factors have caused a decline in the numbers or distribution of this species. 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*).
Conservation objectives and management

There are no existing management programs for land snail species in the Northern Territory.

Research priorities are:
  i. to conduct further surveys to determine whether populations occur elsewhere; and
  ii. to identify specific threats to the known population.

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

Complied by

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References