

Sierra Ambersnail (*Catinella stretchiana*)**Species Status Statement.**Distribution

This is a land snail native to the western United States. As currently understood, the distribution of Sierra ambersnail in Utah is limited to one site near Brigham City in Box Elder County (Pilsbry 1948).

Table 1. Utah counties historically occupied by this species. There are no recent observations to verify the presence of this species in these counties.

Sierra Ambersnail
BOX ELDER

Abundance and Trends

Information is exceptionally limited in this regard. The abundance and population trend of Sierra ambersnail is unknown. The Pilsbry (1948) observation is the only historical account of the species in Utah.

**Statement of Habitat Needs and Threats to the Species.**Habitat Needs

The sole known site in Utah is grassland around 4,500 feet in elevation (Pilsbry 1948). Elsewhere in its range, it occupies shrubby or grassy areas. Although it is a terrestrial snail, it has an affinity for moderately moist habitats.

Threats to the Species

There has been an influx of urban expansion and agricultural development around Brigham City since 1948 (Oliver and Bosworth 1999). Since this species appears to have a very localized distribution, any type of disturbance, alteration, or degradation to its habitat could negatively impact the Sierra ambersnail population in Utah.

Table 2. Summary of a Utah threat assessment and prioritization completed in 2014. This assessment applies to the species' entire distribution within Utah. For species that also occur elsewhere, this assessment applies only to the portion of their distribution within Utah. The full

threat assessment provides more information including lower-ranked threats, crucial data gaps, methods, and definitions (UDWR 2015; Salafsky et al. 2008).

<b>Sierra Ambersnail</b>
<b>Very High</b>
Small Isolated Populations

### **Rationale for Designation.**

Sierra ambersnail could be in danger of extirpation from Utah, due to urban development and agricultural expansion around Brigham City (Oliver and Bosworth 1999). In order to improve the understanding of the distribution and status of this species in Utah, managers need to conduct occasional surveys, and monitor potential threats. These activities will help prevent the possibility of Endangered Species Act listing of this species.

### **Economic Impacts of Sensitive Species Designation.**

Sensitive species designation is intended to facilitate management of this species, which is required to prevent Endangered Species Act listing and lessen related economic impacts. An ESA listing of Sierra ambersnail would have unknown economic impacts for Utah, especially since there are no recent collections of this species.

### **Literature Cited.**

Oliver, G.V. and W.R. Bosworth, III. 1999. Rare, imperiled, and recently extinct or extirpated mollusks of Utah: a literature review. Publication number 99-29. Utah Division of Wildlife Resources. Salt Lake City, Utah, USA.

Pilsbry, H.A. 1948. Land Mollusca of North America (north of Mexico). Acad. Natu. Sci. Philadelphia, Monogr. No. 3. Vol. II, Pt. 2 XLVII + 521-1113 pp.

Salafsky, N., D. Salzer, A.J. Stattersfield, C. Hilton-Taylor, R. Neugarten, S.H.M. Butchart, B. Collen, N. Cox, L.L. Master, S. O'Connor, and D. Wilkie. 2008. A standard lexicon for biodiversity conservation: unified classifications of threats and actions. *Conservation Biology* 22: 897–911.

Utah Division of Wildlife Resources [UDWR]. 2015. Utah Wildlife Action Plan: A plan for managing native wildlife species and their habitats to help prevent listings under the Endangered Species Act 2015-2025. Publication Number 15-14, 385 pp.