

KANAB AMBERSNAIL
(*OXYLOMA KANABENSE*)

Navajo/Federal Statuses: NESL G4 / listed endangered 17 APR 1992 (57FR:13657).

Distribution: Only two populations known: 1) near Kanab in Kane County, UT; 2) at Vasey's Paradise in Grand Canyon National Park (75.3 km downstream of Glen Canyon Dam). Potential is likely restricted to western Navajo Nation; including tributaries of Colorado and Little Colorado Rivers, springs on Echo Cliffs, and creeks north and west of Navajo Mountain.

Habitat: Restricted to perennially wet soil surfaces or shallow standing water and decaying plant matter associated with springs and seep-fed marshes near sandstone or limestone cliffs. Vegetative cover is necessary; cattails, monkeyflower, or watercress are present at the two known locations, but wetland grasses and sedges may suffice.

Similar Species: other Succineid snails; see Pilsbry, 1948.

Phenology:

m.MAR-l.MAR: emergence from winter dormancy by previous year's young
 e.APR-e.JUL: maturation
 e.JUL-l.AUG: peak reproduction
 l.AUG-l.SEP: growth of young, die-off of adults
 >l.SEP: growth of young, winter dormancy

Survey Method: Pedestrian surveys within suitable habitat examining on and under wetland vegetation for live or dead snails. Federal permit required for collection. Suggested reference: Spamer and Bogan, in press.

Avoidance: No surface disturbance year-round within 60 m of occupied habitat; no alteration of water quantity and chemistry.

References:

- Pilsbry, H.A. 1948. Land mollusca of North America (North of Mexico). Academy of Natural Sciences of Philadelphia Monographs II, No.3. (description, p.797)
- Spamer, E.E. and A.E. Bogan. in press. Contrasting objectives in environmental mediation, reconnaissance biology, and endangered species protection - a case study in the Kanab Ambersnail, *Oxyloma haydeni kanabensis* Pilsbry, 1948 (Gastropoda: Stylommatophora: Succineidae). Submitted to Walkerana.
- U.S. Fish & Wildlife Service. 1995. Kanab ambersnail (*Oxyloma haydeni kanabensis*) Recovery Plan. U.S. Fish & Wildlife Service, Denver, CO. 34pp.