
Mission Creek Oregonian

Cryptomastix magnidentata

Gastropoda — Stylommatophora — Polygyridae

CONSERVATION STATUS / CLASSIFICATION

Rangewide: Critically imperiled (G1)
Statewide: Critically imperiled (S1)
ESA: No status
USFS: Region 1: No status; Region 4: No status
BLM: Rangewide/Globally imperiled (Type 2)
IDFG: Not classified

BASIS FOR INCLUSION

Idaho endemic from 1 site; may be extirpated.

TAXONOMY

This taxon has been considered to be a subspecies of *C. mullani* (see, e.g., Smith 1943). An additional site reported by Smith (1943) was thought by Frest (1999) to represent a new species related to *C. populi*; until the identity is clarified, that locality is perhaps included with *C. populi*.

DISTRIBUTION AND ABUNDANCE

This terrestrial snail is endemic to a single site in the Mission Creek drainage. The current status of this population is unknown.

POPULATION TREND

The area occupied and number of individuals is declining (Frest 1999).

HABITAT AND ECOLOGY

The population inhabits an area in a pine forest that is moist, rocky, and well-shaded. Understory vegetation comprises moss and grasses, and the substrate is limestone and basalt talus (Frest 1999).

ISSUES

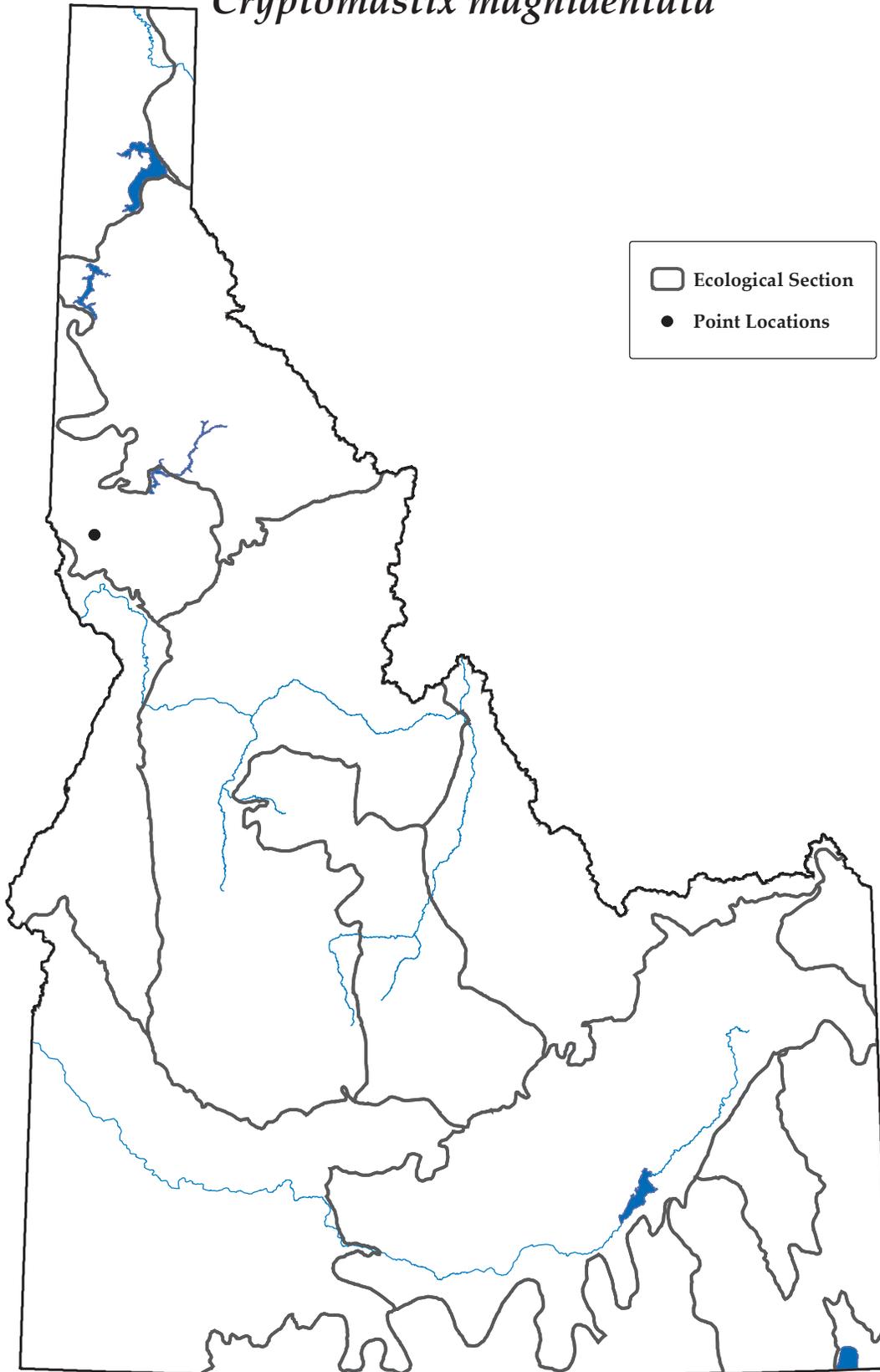
The site is located near a limestone quarry. Frest (1999) considered quarrying and associated road use and maintenance to be important threats. He also considered logging and livestock grazing to be threats.

RECOMMENDED ACTIONS

Monitoring is necessary to better understand current population numbers and trends. Habitat protection is needed, and restoration efforts may also be appropriate.

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0 20 40 80 Kilometers

0 20 40 80 Miles

2 August 2005

Point data are from Idaho Conservation Data Center,
Idaho Department of Fish and Game.

