GLOBAL INVASIVE SPECIES DATABASE

FULL ACCOUNT FOR: ***Plethodon jordani***

Plethodon jordani **System:** Freshwater_terrestrial

Kingdom	Phylum	Class	Order	Family
Animalia	Chordata	Amphibia	Caudata	Plethodontidae

Common name Appalachian Salamander (English), Jordan's Salamander (English), Red-cheeked Salamander (English)

Synonym *Plethodon jordani subsp. Jordani* ,Blatchley, 1901

Similar species

Summary The entire range of this Red-cheeked salamander is within the Great Smoky Mountains National Park. It was introduced to Mountain Lake Biological Station, Virginia, USA, between the years 1935 and 1945. This the range of the Northern slimy salamander *Plethodon glutinosus*. It has been observed that competitive interactions between the two species do not lead to any fitness differences in either species. Their shared traits could potentially enable the species to hybridize.

view this species on IUCN Red List

Habitat Description
"This species inhabits moist dense hardwood, coniferous, and mixed forests with mossy logs and slabs of rock. It is most abundant in forests that are dominated by red spruce and Fraser's fir and in areas where the forest floor is covered with a heavy layer of moss with only a little soil over a mass of large boulders (Green et al. 2014). Individuals are often found in burrows, leaf-litter, or in spaces under rocks and logs during the day. This species tolerates some level of disturbance, and much of its range occurs in secondary growth forest. Breeding is by direct development, and the eggs are probably laid in underground cavities" (IUCN SSC Amphibian Specialist Group. 2022)

Principal source:

Compiler: Shyama Pagad (IUCN SSC Invasive Species Specialist Group)

Review:

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ALIEN RANGE

[1] UNITED STATES

Red List assessed species 1: LC = 1;

Plethodon glutinosus **LC**

BIBLIOGRAPHY
4 references found for **Plethodon jordani**

Managment information

General information

Highton, R. (1998). Frequency of Hybrids between Introduced and Native Populations of the Salamander Plethodon jordani in Their First Generation of Sympatry. Herpetologica, 54(2), 143–153. http://www.jstor.org/stable/3893421

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Rissler, L., Barber, A., Wilbur, H. et al. Spatial and behavioral interactions between a native and introduced salamander species. Behav Ecol Sociobiol 48, 61–68 (2000). https://doi.org/10.1007/s002650000207