

Endemic Cave Species in Great Basin National Park

March 2009



Photo by Gretchen Baker

Great Basin Cave Millipede *Idagone lehmanensis* Shear (Family: Conotylidae; Order: Chordeumatida; Class: Diplopoda). This whitish-yellowish millipede is about 10-200 mm long with a cylindrical body. It has been found in caves with water present like Model and Water Trough, along with alpine caves. It was found in 2006 and described as a new species in 2007. Endemic to Great Basin National Park.



Photo by Jean Krejca

Model Cave Harvestman *Cryptobunus unguulatus unguulatus* Briggs (Family: Trianonychidae; Order: Opiliones; Class: Arachnida). This pale tan to orangish harvestman is a predator generally found on moist surfaces. It was first found in Model Cave and described in 1971; since then it has been found in several other park caves. Endemic to Great Basin National Park.



Photo by Jean Krejca

Great Basin Cave Pseudoscorpion *Microcreagris grandis* Muchmore (Family: Neobisiidae; Order: Pseudoscorpiones; Class: Arachnida). This pseudoscorpion is 15-20 mm long, with tan to reddish coloring. It was first collected in Lehman Caves in the late 1930s, and since then has been found in several park caves. Endemic to Great Basin National Park.



Photo by Gretchen Baker

Lehman Caves Millipede Yet to be described. (Family: Polydesmidae or Macrosterodesmidae; Order: Polydesmida; Class: Diplopoda). This small white millipede, only about 10 mm long, is very white and often found in moist areas on soil or bedrock. It has been found in several caves in the park and one outside the park. Endemic to Great Basin National Park area.



Photo by Jean Krejca

Globular Springtail *Arrhopalites* sp. (Family: Arrhopalitidae; Order: Collembola; Class: Insecta). This tiny (1-2 mm), round-bodied, rose-colored springtail is usually found in association with water. It is currently under study by taxonomic specialists and a manuscript should be completed by the end of 2009.



Photo by Steve Taylor

Rhagidiid mite Yet to be described. (Family: Rhagidiidae; Order: Acari; Class: Arachnida). This tiny white mite is about 1-3 mm long. It has been sent to a taxonomic specialist and is pending identification.

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| <p>Exhibit J-2 - LANDS Document consists of 2 pages. Entire Exhibit provided. Meeting Date: 07-30-10</p> |
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Photo by Gretchen Baker

Campodeid Dipluran Yet to be described. (Family: Campodeidae; Class: Diplura; Subphylum: Hexapoda). Known from four caves in the park. This all-white creature is about 10-20 mm long with two long antennae and two long tails. It does not have eyes. A suitable taxonomic specialist needs to be located to determine if this is a species unique to the park or Great Basin region.



Photo by Steve Taylor

Model Cave Amphipod Yet to be described. (Family: Unknown; Order: Gastropoda; Class: Mollusca). Discovered in November 2008. Thus far only found in Model Cave, in water. Pending identification by taxonomic specialists upon recovery of additional specimens.



Photo by Steve Taylor

Model Cave Ostracod Yet to be described. (Family: Candonidae; Order: Crustacea; Class: Ostracoda) Discovered in water in January 2009. Thus far only found in Model Cave. Pending identification by taxonomic specialists upon recovery of additional specimens.