

as *Leptoneta microps* and later reassigned to *Neoleptoneta* following Brignoli (1977) and Platnick (1986). The species is known from 2 caves in Government Canyon State Natural Area (Table 1).

#### Madla Cave Meshweaver

The Madla Cave meshweaver, *Cicurina madla* (Araneae: Dictynidae), was first collected on October 4, 1963, by J. Reddell and D. McKenzie (Reddell 1993) and described by Gertsch (1992). The Madla Cave meshweaver has been found in eight caves (Table 1).

The Service is aware of 11 additional caves from which immature, eyeless troglobitic *Cicurina* spiders have been collected (SWCA 2000). Eight of these are in caves that have other listed species and are either included in critical habitat areas or areas that are not included in the designation due to the provision of adequate special management. The remaining three are in caves where authorization for take of *C. madla* was granted to La Cantera under a section 10(a)(1)(B) permit. These three caves have been, or will be, heavily impacted and are, therefore, not expected to contribute to the species recovery.

#### Robber Baron Cave Meshweaver

The Robber Baron Cave meshweaver, *Cicurina baronia* (Araneae: Dictynidae), was first collected in Robber Baron Cave February 28, 1969, by R. Bartholomew (Reddell 1993) and described by Gertsch (1992). The Robber Baron Cave

meshweaver (a spider) is only known from Robber Baron Cave (Table 1).

#### Beetle (No Common Name) *Rhadine exilis*

The beetle *Rhadine exilis* (Coleoptera: Carabidae) was first collected in 1959. The species was described by Barr and Lawrence (1960) as *Agonum exile* and later assigned to the genus *Rhadine* (Barr 1974). The species is currently known to have been found in 47 caves (Table 1).

#### Beetle (No Common Name) *Rhadine infernalis*

*Rhadine infernalis* (Coleoptera: Carabidae) was first collected in 1959. The species was initially described by Barr and Lawrence (1960) as *Agonum infernale*, but later assigned to the genus *Rhadine* (Barr 1974). Scientists have recognized three subspecies (*Rhadine infernalis ewersi*, *Rhadine infernalis infernalis*, *Rhadine infernalis* new subspecies) (Barr 1974; Barr and Lawrence 1960; Reddell 1998), all of which are included as protected under the Federal listing of the full species as endangered. A total of 35 caves are known to contain *Rhadine infernalis* (Table 1).

*Rhadine infernalis ewersi* is known from 3 caves. *Rhadine infernalis infernalis* is known from 19 caves. The unnamed new subspecies (*Rhadine infernalis* new subspecies) was known from 6 caves at the time of the proposed rule designating critical habitat. During the public comment period, we received

confirmation that *R. infernalis* collected from Obvious Little Cave has been identified as *R. infernalis* new subspecies. An additional 5 caves were identified in the proposed rule as containing *Rhadine infernalis* that have not yet been identified at the subspecies level. During the public comment period, we received survey information confirming the presence of *R. infernalis* in Continental Cave (Table 1). According to Veni (2002), specimens from these caves are probably *R. infernalis infernalis*, but have either not yet been fully identified or not reported.

#### Helotes Mold Beetle

The Helotes mold beetle, *Batrissodes ventyivi* (Coleoptera: Pselaphidae), was first collected in 1984 and described by Chandler (1992). The species is currently known from six caves (Table 1). The location of one of the caves, referred to as "unnamed cave ½ mile north of Helotes," is unknown. The original record for this cave is from Barr's (1974) description of *Rhadine exilis*. Because the number of caves in the general area is large, the location of this cave cannot be positively identified (George Veni, George Veni & Associates, pers. comm. 2002). However, this cave may not be a separate location after all, but may be an existing cave listed by the collector under the alternative name "5 miles NE of Helotes." The cave referred to as "5 miles NE of Helotes," also has an unknown location.

TABLE 1.—CAVES KNOWN AS OF DECEMBER 23, 2002, TO CONTAIN ONE OR MORE OF THE NINE BEXAR COUNTY, TEXAS, KARST INVERTEBRATES FEDERALLY LISTED AS ENDANGERED

Species (# of caves)	Cave name
Braken Bat Cave meshweaver ( <i>C. venii</i> ) (1) .....	Braken Bat Cave.
Cokendolpher cave harvestman ( <i>Texella cokendolpheri</i> ) (1) .....	Robber Baron Cave.
Government Canyon Bat Cave meshweaver ( <i>C. vespera</i> ) (1) .....	Government Canyon Bat Cave.
Government Canyon Bat Cave spider ( <i>Neoleptoneta microps</i> ) (2) .....	Government Canyon Bat Cave, Surprise Sink.
Madla Cave meshweaver ( <i>Cicurina madla</i> ) (8) .....	Christmas Cave, Madla's Cave, Madla's Drop Cave, Helotes Blowhole, Headquarters Cave, Hills and Dales Pit, Robber's Cave, Lost Pot-hole.
Robber Baron Cave meshweaver ( <i>C. baronia</i> ) (1) .....	Robber Baron Cave
Beetle (no common name) ( <i>Rhadine exilis</i> ) (47) .....	40 mm Cave, B-52 Cave, Backhole, Black Cat Cave, Boneyard Pit, Bunny Hole, Cross the Creek Cave, Dos Viboras Cave, Eagles Nest Cave, Hairy Tooth Cave, Headquarters Cave, Hilger Hole, Hold Me Back Cave, Hornet's Last Laugh Pit, Isocow Cave, Kick Start Cave, MARS Pit, MARS Shaft, Pain in the Glass Cave, Platypus Pit, Poor Boy Baculum Cave, Ragin' Cajun Cave, Root Canal Cave, Root Toupee Cave, Springtail Crevice, Strange Little Cave, Up the Creek Cave.
	Christmas Cave, Helotes Blowhole, Helotes Hilltop Cave, Logan's Cave, unnamed cave ½ mile N. of Helotes.
	Creek Bank Cave, Government Canyon Bat Cave, Lithic Ridge Cave, Pig Cave, San Antonio Ranch Pit, Tight Cave.
	Hills and Dales Pit, John Wagner Ranch Cave No. 3, Kamikazi Cricket Cave, La Cantera Cave No. 1, La Cantera Cave No. 2, Mastodon Pit, Robber's Cave, Three Fingers Cave, Young Cave No. 1.
	Canyon Ranch Pit, Continental Cave, Fat Man's Nightmare Cave, Pig Cave, San Antonio Ranch Pit, Scenic Overlook Cave.
Beetle (no common name) <i>R. infernalis</i> (6) (subspecies not indicated—probably <i>R. infernalis infernalis</i> but individual specimens are either not fully identified or reported (Veni 2002)).	