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Observations on the taxonomy, distribution, and conservation status of the centrolenids from Ecuador (Anura: Centrolenidae)

Frogs of the family Centrolenidae are among the most beautiful anurans in South America. Until 2002, 30 species of Centrolenids were known from Ecuador, however recent studies have revealed the presence of several undescribed species and new records for the country. At least four species of *Centrolene*, five *Cochranella* and four *Hyalinobatrachium* are unnamed but represented by specimens in USA and Ecuadorian museums. Two species previously known from Peru and Brasil (*Centrolene lemniscatum* and *Cochranella ametarsia*) are reported for the first time in Ecuador. Extensions on the geographical range of *Centrolene littoralis*, *Hyalinobatrachium pellucidum*, *Cochranella spinosa*, *Cochranella resplendens*, *Cochranella midas*, *Cochranella cochranae*, *Centrolene geckoideum*, and, *Centrolene gemmatum* are reported. At least one undescribed taxon from western lowlands of Ecuador is critically endangered, if not extinct, and several other species should be classified as endangered or vulnerable at a national and global level.