

Baird, D., Olsen, P. E. 1983, Late Triassic herptofauna from the Wolfville Fm. of the Minas Basin (Fundy Basin), Nova Scotia, Can. Geological Society of America, Abstracts with Programs, v. 15, no. 3, p. 122.

LATE TRIASSIC HERPTOFAUNA FROM THE WOLFVILLE FM.  
OF THE MINAS BASIN (FUNDY BASIN) NOVA SCOTIA, CAN.

**Nº 17354**

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Since 1959, persistent collecting has produced a scrappy herptofauna from the Wolfville Fm. (Fundy Group, Newark Supergroup) on the south shore of the Minas basin in Kings and Hants Counties, Nova Scotia, and one local ichnofauna. The bones occur as clasts in sandstones deposited by braided rivers in the middle Wolfville. The identifiable remains include the following: AMPHIBIA. Labyrinthodontia; Metoposaurus bakeri, also known from the Dockum of Texas. REPTILIA. Procolophonidae, three new distinctive genera, plus the Scottish genus Leptopleuron; a probable trilophosaurid; a rhynchosaur similar to Paradapedon from the Malari of India; aetosaurid thecodonts related to Stagonolepis from Scotland, Aetosaurus from the Stubensandstein of Germany and Stegomus from Carno-Norian beds in Connecticut, New Jersey and North Carolina; rauisuchid thecodonts (at first misidentified as theropod dinosaurs) with affinity to Shanisuchus from China; primitive saurischian dinosaurs (?coelurosaurs and ?prosauropods); a small ornithischian dinosaur; a traverodontid therapsid, cf. Scalenodontoides from the lower Elliot of South Africa; and a dicynodont therapsid. Correlative age of this herptofauna is most probably Late Carnian (early Late Triassic).

The ichnofauna in the upper Wolfville at Paddy Island Cove, Kings Co., consists of Rhynchosauroides (a lizard or sphenodontid rhynchocephalian) and a still-unnamed ichnogenus with Grallator-like pedes and small hoof-like manus. Interpreted as tracks of an ornithischian dinosaur, this ichnogenus also occurs in the Passaic Fm. of New Jersey and the Lockatong Fm. and Gettysburg Sh. of Pennsylvania in association with Rhynchosauroides. A Carno-Norian age is indicated.

The so-called Wolfville exposure at Lower Economy, Colchester Co., is separated both physically (by faults) and temporally (by fauna) from the Wolfville proper, and is a distinct unit of Middle Triassic age.