

Bathyrus Perplexus Billings, 1865, not so perplexing

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The type specimen of *Bathyrus perplexus* Billings, 1865 is a pygidium (GSC 632) from faulted limestones exposed in East Arm, Bonne Bay, in western Newfoundland's Gros Morne National Park. Because of the lack of other sclerites, some workers have regarded it as a junior subjective synonym of *B. extans* (Hall, 1847); others have compared it to *Acidiphorus pseudobathyrus* Ross, 1967. The discovery of additional sclerites (cranidia, librigenae, thoracic segments, pygidia) confirms its distinctness. *Bathyrus perplexus* is widespread in western Newfoundland; it has a restricted stratigraphic range and is the nominate species of the *Bathyrus perplexus* Zone. It generally occurs in dolostones or dolomitic lime mudstones of the uppermost Aguathuna Formation (St. George Group). At Table Point, however, it ranges into the basal bed of the Spring Inlet Member of the Table Point Formation (Table Head Group). *Bathyrus perplexus* typically is associated with leperditiid ostracods (*Bivia*), an assemblage characteristic of the long-ranging, low diversity, nearshore *Bathyrus* biofacies.