

Katian (early Ashgill) age. Graptolites are absent in the outcrop area but were found in several levels in the Lichtervelde borehole and were restudied by Maletz and Servais (1998). Graptolites in the middle part of the formation in the borehole indicate the *D. complanatus* biozone and graptolites in the top of the formation in the borehole indicate the *D. anceps* biozone (coarsely the middle part of the Ashgill). Chitinozoans are the only (micro)fossil group providing an age for the outcrop area. By the presence of *Tanuchitina bergstroemi*, *Lagenochitina baltica*, *L. prussica* and *Belonechitina robusta* found in a first study by Van Grootel & Verniers 1998 and by Samuelsson & Verniers (2000), found possibly the Upper Vormsi or lowermost Pirgu of the Baltoscandian stages, latest Caradoc to early Ashgill age, was indicated, correlated with the upper *linearis* and *complanatus* graptolite biozones. A more detailed study on the chitinozoans by Vanmeirhaeghe et al. (2005) placed the formation in the *spinifera* (and possibly also in the *bergstroemi*) biozone which give an Onnian (latest Caradoc) age for the lower part of the Madot Formation (upper part of 4) and a Pushgillian to Cautleyan age (early to mid Ashgill) for the upper part of the Madot formation (upper part of member 4 and members 5 to 7). All of it is situated in the Katian stage.

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