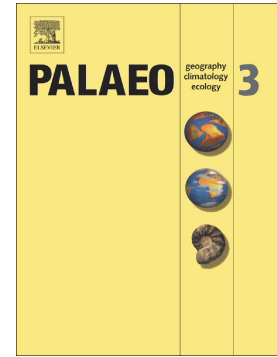


Accepted Manuscript

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PII: S0031-0182(17)30094-9
DOI: doi: [10.1016/j.palaeo.2017.09.013](https://doi.org/10.1016/j.palaeo.2017.09.013)
Reference: PALAEO 8445

To appear in: *Palaeogeography, Palaeoclimatology, Palaeoecology*

Received date: 26 January 2017
Revised date: 13 September 2017
Accepted date: 14 September 2017

Please cite this article as: Tea Kolar-Jurkovšek, Bogdan Jurkovšek, Galina P. Nestell, Dunja Aljinović, Biostratigraphy and sedimentology of Upper Permian and Lower Triassic strata at Masore, Western Slovenia, *Palaeogeography, Palaeoclimatology, Palaeoecology* (2017), doi: [10.1016/j.palaeo.2017.09.013](https://doi.org/10.1016/j.palaeo.2017.09.013)

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Biostratigraphy and sedimentology of Upper Permian and Lower Triassic strata at Masore, Western Slovenia

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Abstract

Upper Permian and lowermost Triassic strata of the Masore section in western Slovenia have been restudied by means of bio- and lithostratigraphy. This section is mainly characterized by a carbonate succession of the Bellerophon Formation deposited in a shallow marine ramp environment that was located in the western part of the Palaeotethys. The Permian-Triassic boundary (PTB) transition is marked by laminated microbialites – stromatolites interpreted to reflect a deeper ramp environment. The conodont elements recovered enabled the recognition of the *Hindeodus praeparvus* Zone of the uppermost Permian (Upper Changhsingian) in the Bellerophon Formation. Gondolellids are documented in the PTB transitional interval with microbial microfacies, whereas the *Isarcicella isarcica* Zone (Lower Griesbachian, Lower Triassic) is recognized in the tectonically separated Werfen Formation just above the microbial microfacies part of the section. The lowermost part of the microbialites is characterized by Late Permian species of foraminifers indicating that at least this part of the section is still Upper Permian.

Keywords: Changhsingian, Griesbachian, Conodonts, Foraminifers, External Dinarides

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