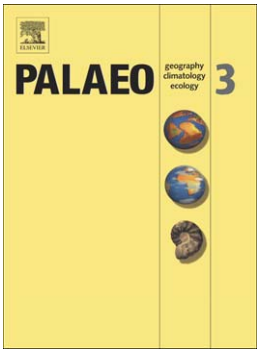

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PII: S0031-0182(15)00597-0
DOI: doi: 10.1016/j.palaeo.2015.10.035
Reference: PALAEO 7534

To appear in: *Palaeogeography, Palaeoclimatology, Palaeoecology*

Received date: 22 April 2015
Revised date: 30 September 2015
Accepted date: 10 October 2015

Please cite this article as: Paterson, Niall William, Mangerud, Gunn, Cetean, Claudia G., Mørk, Atle, Lord, Gareth Steven, Klausen, Tore Grane, Mørkved, Pål Tore, A multidisciplinary biofacies characterisation of the Late Triassic (late Carnian – Rhaetian) Kapp Toscana Group on Hopen, Arctic Norway, *Palaeogeography, Palaeoclimatology, Palaeoecology* (2015), doi: 10.1016/j.palaeo.2015.10.035

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Keywords: Late Triassic; Kapp Toscana Group; palynology; palynofacies; micropaleontology; Svalbard

ABSTRACT

A multidisciplinary study of the Kapp Toscana Group (De Geerdalen, Flatsalen and Svenskøya formations) on Hopen, Svalbard, provides an enhanced palaeoenvironmental interpretation for the Upper Triassic succession on the island. The biofacies of the formations were characterised using a combination of palynological, palynofacies and micropalaeontological analyses. Micropalaeontological, palynofacies and $\delta\ ^{13}C_{org}$ data are presented from Hopen for the first time. Six distinct biofacies assemblages were recognised: (I – lower undifferentiated De Geerdalen Formation) characterised by a dominance of fern spores, and low abundance assemblages of foraminifera and ostracods; interpreted to reflect deposition in a deltaic environment during maximum marine regression. (II - upper De