

Accepted Manuscript

Lower Permian conodonts from Palaeo-Tethys Ocean Plate Stratigraphy in the Chiang Mai-Chiang Rai Suture Zone, northern Thailand

I. Metcalfe, C.M. Henderson, K. Wakita

PII: S1342-937X(16)30214-3
DOI: doi:[10.1016/j.gr.2016.12.003](https://doi.org/10.1016/j.gr.2016.12.003)
Reference: GR 1718

To appear in: *Gondwana Research*

Received date: 16 September 2016
Revised date: 14 November 2016
Accepted date: 2 December 2016



Please cite this article as: Metcalfe, I., Henderson, C.M., Wakita, K., Lower Permian conodonts from Palaeo-Tethys Ocean Plate Stratigraphy in the Chiang Mai-Chiang Rai Suture Zone, northern Thailand, *Gondwana Research* (2016), doi:[10.1016/j.gr.2016.12.003](https://doi.org/10.1016/j.gr.2016.12.003)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Lower Permian conodonts from Palaeo-Tethys Ocean Plate Stratigraphy in the Chiang Mai-Chiang Rai Suture Zone, northern Thailand.

I. Metcalfe¹, C.M. Henderson² and K. Wakita³

¹ *Earth Sciences, Earth Studies Building C02, School of Environmental and Rural Science, University of New England, Armidale, NSW 2351, Australia (e-mail: imetcal2@une.edu.au)*

² *Department of Geoscience, University of Calgary, ES 274, 2500 University Drive NW, Calgary, Alberta, CANADA T2N 1N4*

³ *Faculty of Science, Yamaguchi University, 1677-1 Yoshida, Yamaguchi City, Yamaguchi Prefecture, 753-8512 Japan.*

ABSTRACT

Lower Permian (lower Sakmarian) conodonts are reported from a coherent section of Ocean Plate Stratigraphy, and from a limestone block in the Palaeo-Tethys suture zone between Lamphun and Lampang, south of Chiang Mai, northern Thailand. Conodont species from both the pelagic limestones of the OPS section and the limestone block are deep-water forms with distinctive biogeographic affinities comparable to faunas of the Urals and North American Mid-Continent. A new name, Chiang Mai-Chiang Rai Suture Zone, is here proposed for the Palaeo-Tethys suture in northern Thailand that forms the boundary between the Sibumasu Terrane and the Sukhothai Arc terrane. The Inthanon Zone of northern Thailand is interpreted as representing a fold and thrust belt west of

Download English Version:

<https://daneshyari.com/en/article/5785321>

Download Persian Version:

<https://daneshyari.com/article/5785321>

[Daneshyari.com](https://daneshyari.com)