

JOURNAL OF THE GEOLOGICAL SOCIETY OF INDIA

Publisher: SPRINGER INDIA, 7TH FLOOR, VIJAYA BUILDING, 17, BARAKHAMBA ROAD, NEW DELHI, INDIA, 110 001

ISSN / eISSN: 0016-7622 / 0974-6889

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Rhenium (Re)–Osmium (Os) geochronology of the Proterozoic Sirban Limestone Formation, NW Himalaya

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Journal of the Geological Society of India **88**, 267–272 (2016) | [Cite this article](#)

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Abstract

The Proterozoic Sirban Limestone Formation (SLFm) exposed in a number of inliers in Jammu (India), NW Himalaya is a potential target for hydrocarbon and ore mineral exploration. The structural complexity not only makes correlation of the SLFm with coeval hydrocarbon producing Proterozoic formations in the neighbouring Salt Range in Pakistan and elsewhere in the world extremely difficult, but also limits the understanding of the genesis of sedimentary hosted mineral deposits. The base of the SLFm inliers is not exposed anywhere