

## The Cretaceous/Tertiary boundary tsunami deposit at Moncada section, western Cuba

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The Moncada Formation in western Cuba is an approximately 2-m-thick weakly metamorphosed complex characterized by repetition of calcareous sandstone units that show overall upward fining and thinning. The abundant impact-derived materials and the biostratigraphically estimated age supports a Cretaceous-Tertiary (K/T) boundary origin of the deposit. The Moncada Formation bears ripple cross-laminations at several horizons that indicate N-S trending paleocurrent directions with reversals. Changes in detrital provenance corresponding to paleocurrent reversals are also recognized. These characteristics support a K/T boundary tsunami origin for the Moncada Formation.