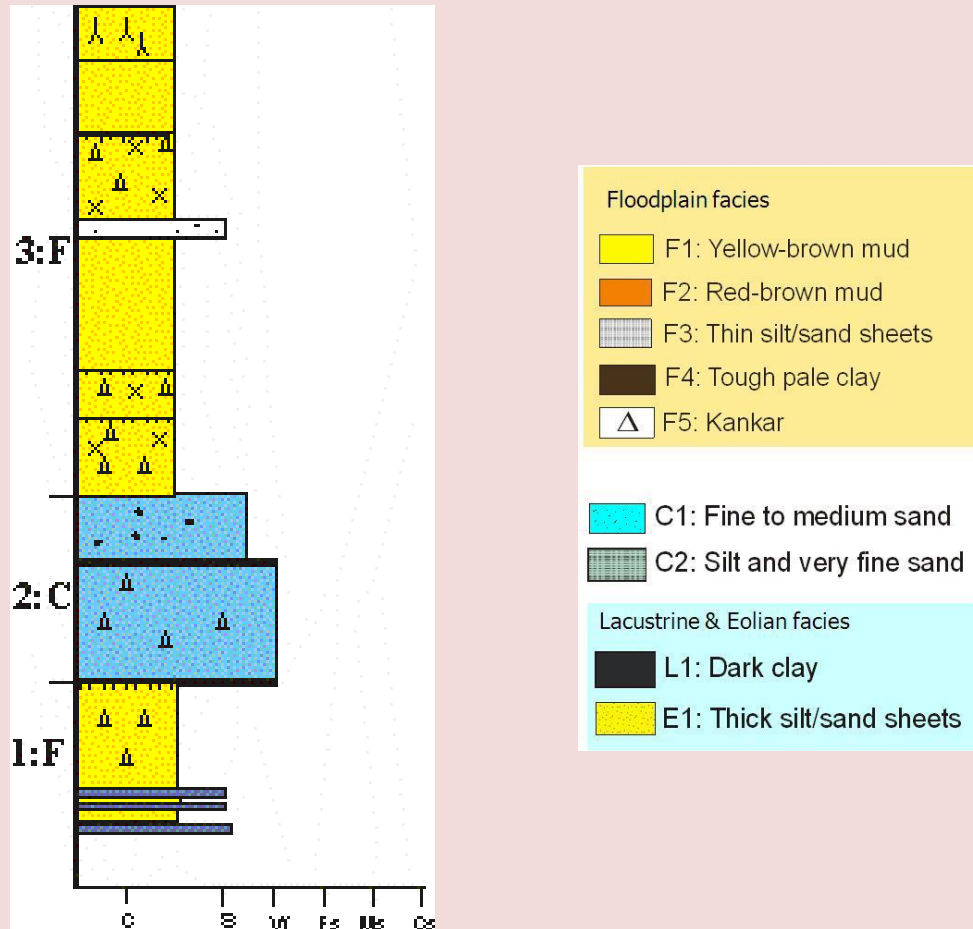


Rania Core



The Rania core has 15-20 m of floodplain strata underlain by channel deposits. The channel body is ~6 m thick and is analogous to present-day plains-fed rivers such as the Rindi which flows close to the drill site. The floodplain muds have distinct bands of smaller (2-4 mm diameter) kankars and soft dark mottles which mark ancient soil horizons. The fine micaceous sandy layers have fewer but larger (3-6 cm diameter) kankars at regular intervals.

Ref: Sinha, R., Tandon, S.K., Gibling M.R., Bhattacharjee, P.S. and Dasgupta, A.S. (2005) Late Quaternary geology and alluvial stratigraphy of the Ganga basin, Himalayan Geology, 26(1), 223-240