

Correlation of the Uwano Mudflow Deposit distributed in the Takayama Basin and the Fukuji Tuff Breccia

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The Uwano Mudflow Deposit(UMD) distributed in the Takayama Basin, is covered with the Kamitakara Pyroclastic Flow Deposit (0.58-0.69Ma) and that conformably overlies the Kiriya Gravel Bed. In the previous work, UMD is thought that the hot pyroclastic flow flowed down the river by which the Kiriya Gravel Bed was deposited. However, there is a scarcity of information on the detail of UMD.

This study presents that UMD is correlated with the Fukuji Tuff Breccia(FTB) distributed in the east-northeast 25km from the Takayama Basin, in petrographic properties. Therefore, above data indicated that the paleo-Azusa River which flowed from Kamikochi into Takayama basin, was forced to change its flow path by the deposition of Kamitakara Pyroclastic Flow.