Globally Important Agricultural Heritage System "Minabe-Tanabe Ume System" viewing from geomorphological aspects of three small catchment area, central part of Wakayama Prefecture

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We discussed relationship between globally Important Agricultural Heritage System "Minabe-Tanabe Ume System" in Central Wakayama and geomorphological features of the area, which situates adjacent to Nanki-Kumano Japan Geopark. Three small drainage areas: the Kirime River, the Minabe River and the Haya River were surveyed from fluvial geomorphological aspects. We found two characteristics: i) distribution differences in slightly elevated area, and ii) size differences in alluvial plain. Slightly elevated area connects to natural levee, which reflects river-bed material and to rolling hill area for supplying small particles to the Minabe and the Haya. According to analyses of bore-hole data, the deeper alluvial deposit basement is, the larger alluvial plain is. Minabe-Tanabe Ume System traces back to these geomorphological features.

Keywords: GIAHS "Minabe-Tanabe Ume System", slightly elevated area, basement of alluvial deposit, fluvial geomorphology, rolling hill