

Topography and Geology of Tochigi, Estimated from Riverbed Pebbles; A Teaching Method for the Environmental Education

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Riverbed pebbles were surveyed geologically for three major river systems, Nakagawa, Kinugawa, and Watarasegawa in Tochigi prefecture. As riverbed pebbles were derived from a source of supply in the upstream area, rock types of pebbles in the downstream area were related with the geological environment of upstream area.

Present grain-size data for riverbed pebbles and petrographical data by observation of hand-specimen and polarized microscopic observation of thin-sections were determined. The present results are good consistent with the geological occurrence of the upstream area and show that field observation of riverbed pebbles is good geological teaching materials for students to consider the work of river in relation with geological features as the environmental education.