

## Trenching survey on Tookamachi Fault at shinmiya and Doichi, Niigata Prefecture, central Japan

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Tookamachi fault is considered to be one of the main active tectonic structure, which compose the eastern boundary tectonic zone of the Japan Sea. Trenching survey was carried out both at Shinmiya and Doichi sites in Niigata prefecture, central Japan, to evaluate the seismic activity in the Holocene time. As a result, activity in Holocene was recognized at Shinmiya site, and that younger than 20,000yBP was inferred at Doichi. Our three years survey around this area revealed that the Tookamachi fault zone is characterized by several fault traces with relatively high slip rate even in Holocene time.