

## Underground geology in the southern margin of the Ouchigata tectonic lowland by seismic reflection profiling and boring surveys

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S-wave seismic reflection profiling and boring surveys were conducted to clarify the underground geology and geological structure in the southern margin of the Ouchigata lowland in Ishikawa Prefecture, central Japan. The results of seismic profiling suggest that strata more than 30 m thick have deposited horizontally in the lowland area and they have been partly deformed and partly covered dislodged fault blocks or landslide mass in the hilly area. A 100-m boring core has been obtained in the lowland to establish standard subsurface stratigraphy. Widespread tephra, Aira-Tn (ca.25ka ) and Aso-4 (ca.80ka ) have been identified in the core, it suggests that the bottom of a borehole reaches the middle part of the Middle Pleistocene sediments.