

Seismic reflection profiling across the Hakushu fault, southern part of Itoigawa-Shizuoka Tectonic Line active fault system

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We carried out seismic reflection survey across the Hakushu fault, southern part of Itoigawa-Shizuoka Tectonic Line.

The acoustic stratigraphic sequence is identified with Units A, B, C, D, E in descending stratigraphic order. Unit A is sediment of Holocene or terrace deposit of Pleistocene. Unit B is the Nirasaki scoria flow. Unit C is Koma group. Unit D and Unit E are granitic layers. Unit D is weathered.

The 30 degree west dipping reverse fault are recognized. The west block thrust over the east block with dip movement of 200 m.