

## 3-D Seismic Reflection Survey in the Suwa Lake, Central Part of Itoigawa-Shizuoka Tectonic Line

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We carried out 3-D Seismic Reflection Survey in the Suwa Lake, central part of Itoigawa-Shizuoka Tectonic Line. The Suwa Lake is a pull-apart basin that was formed by left lateral fault of NS strike. The depth of acoustic basement is about 1300 meter from the lake bottom.

A normal fault was identified on the acoustic basement of Suwa Lake. The strike of the fault is N 60 degree W. The acoustic basement of Suwa Lake is stepped down toward the NE direction by this normal fault. But the sediment layers on the acoustic basement is not deformed by this normal fault.

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