

Seismogenic fault of the presumed Kannawa Koze-Matsuda earthquake and the relation to that of the 1923 Kanto Earthquake

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The static fault parameters of an expected great earthquake from the Kannawa Koze-Matsuda fault zone are proposed with special reference to those of the 1923 Kanto earthquake from the Sagami Trough fault zone.

The 1923 Kanto Earthquake is considered to have occurred from a fault extending from the Off-Hatsushima to Sagami Trough through the Manazuru Sea Hill. While, the presumed Koze-Matsuda Earthquake is inferred to have a fault dipping north from the Koze-Matsuda fault to about 30 km in depth.

The both faults join together about 15km in depth beneath Oiso Hills on the plate boundary fault.

The 1923 Kanto Earthq. fault and the Koze-Matsuda fault are 60-70km and 40-50 km in length, respectively, and 20 and 45-30 degree in dip, and 35 and 40 km in width of fault plane.