

## Deep crustal structure across the Nankai seismogenic zone

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To clarify similarities and differences between the different coseismic rupture areas (off the cape Muroto and Kumano-coast) and unruptured area (off the cape Ashizuri), wide-angle seismic survey was performed around the Nankai seismogenic zone. Three crustal models show the subducting oceanic crust, a well-developed accretionary wedge that formed since late Tertiary in age, and the island arc upper/lower crust. The downdip limit of the rupture area which corresponds to 25km depth of the slab surface, does not extend to the landward end of the oceanic/island arc crust contact zone. Furthermore, the distance of the oceanic crust-accretionary prism contact zone is proportional to the scale of great earthquake and its rupture area.