

The Sandstone Balls of the Shimanto Terrain in Miyazaki Prefecture, Kyushu

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<http://moyo2006.sakura.ne.jp/bbs06/joyfulyy.cgi>

The Sandstone Balls in Miyazaki Prefecture are existed in the fracture zone near the large-scale thrust of the Shimanto Terrain. The biggest Sandstone Ball at Hyuga City has a diameter of more than ten meters. And the Riedel shears (or S-C structure) that has many directions is developed in the shell around this biggest Sandstone Ball. Besides, the turn of S structure is conceded on the edges of the biggest Sandstone Ball. I guess that the Sandstone Ball is shaved by turns of S structure in the field of the brittle-plastic transition shear zone at 8-14km below the ground that S structures shift to C structures one after another. Therefore the Sandstone Balls in the Shimanto Terrain are found in the fracture zone near the large-scale thrust.

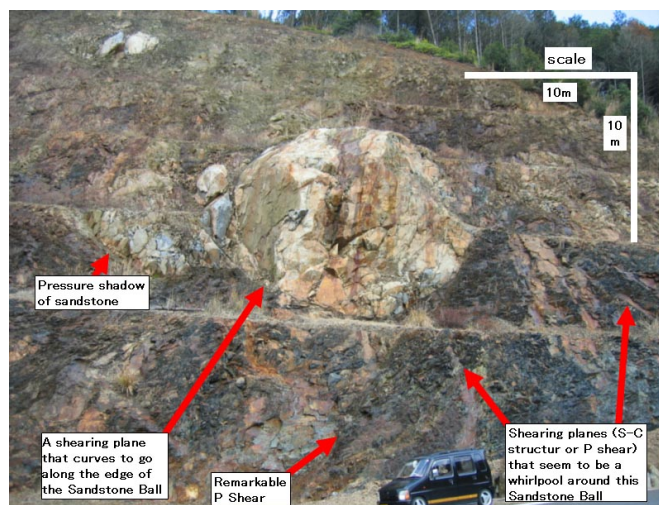


Fig.1 The Biggest Sandstone Ball in Hyuga City (more than a diameter of 10m)