

“Santa Maria del Giudice” Tectonic Unit
Brecce di Asciano (BSC)

Permian

Poorly sorted debris deposits with angular to sub-rounded quartz, phyllite, and albite-bearing quartzite pebbles in a sericitic-chlorite matrix with hematite. The breccia mainly derive from the Filladi and Buti quartzite, and discordantly lies on the underlying San Lorenzo schist.

Sedimentary facies: continental deposit.

Outcrop along path 117 (Monte Pisano Hiking trails map) near “Le Fontanelle” locality.



Grey polygenic breccia with clasts ranging in size from centimetre (1 - 2 cm) to decimetre (10 - 12 cm). Prevalent quartz-feldspar clasts with subordinate phyllitic clasts.

MP3

43°45'43.13"N, 10°28'10.76"E



Polygenic breccia with heterogeneous distribution of clasts ranging from 0.5 to 9 cm in size in a foliated matrix of a red wine colour. The clasts consist of light grey sandstone (red arrow) and light green phyllite (yellow arrow).



Coarse-grained (3 - 15 mm) rounded to subrounded polycrystalline quartzitic and pelitic clasts, parallel to very fine-grained phyllosilicate rich foliation.

scale bar: 1.0 mm