

RSG Sample No.	2119	2121	2122	2127	2128
Well	83/20-sb01	83/20-sb01	83/20-sb01	83/20-sb01	83/20-sb01
Sample Type	Cem. sand	Cem. sand	Cem. sand	?Lost core	Cem. sand
Top Depth (m d.d.)	150.97	161.30	166.40	177.00	177.05
Stratigraphy	Brownsand	Brownsand	Brownsand	Jurassic	Jurassic
FRAMEWORK GRAINS					
Monocrystalline Quartz (Qm)	23.67	18.33	18.33	26.00	16.67
Polycry. Quartz (equicrystalline)	11.33	8.33	2.67	2.33	4.00
Polycrystalline Quartz (vein)	5.33	2.67	0.33	0.33	0.67
Polycrystalline Quartz (metamorphic)	1.00	1.33	1.00	0.00	0.00
Polycrystalline Quartz (chert)	0.33	0.00	0.00	3.00	0.67
Total Polycrystalline Quartz (Qp)	18.00	12.33	4.00	5.67	5.33
Total Quartz (Q)	41.67	30.67	22.33	31.67	22.00
K-Feldspar	5.00	6.00	3.67	2.00	4.33
Plagioclase	0.00	0.67	0.00	0.33	0.33
Total Feldspar grains (F)	5.00	6.67	3.67	2.33	4.67
Lithic Plutonic Fragments (Lp)	6.33	3.67	3.67	1.00	1.33
Lithic Volcanic Fragments (Lv)	0.00	0.00	0.00	0.00	0.00
Lithic Sedimentary Fragments (Ls)	0.67	0.00	1.67	0.00	0.00
Total Lithic Fragments (L)	7.00	3.67	5.33	1.00	1.33
Heavy Minerals	0.00	0.00	0.00	0.00	0.00
DUCTILE COMPONENTS					
Mica - (muscovite)	2.67	3.00	4.33	0.00	1.00
Mica - (biotite)	0.00	0.00	0.00	0.00	0.00
Mica - (chlorite)	0.00	0.00	0.00	0.00	0.00
Detrital Clay	0.33	0.67	0.00	0.33	0.00
Glauconite	0.00	0.00	1.00	0.33	0.00
Carbonaceous material	0.00	0.00	0.00	3.00	9.67
Total Ductile Grains	3.00	3.67	5.33	3.67	10.67
CARBONATE COMPONENTS					
Micrite Matrix	12.33	6.33	13.67	0.00	18.00
Bioclasts	2.00	4.67	10.00	0.00	0.00
Carbonate intraclasts	0.67	0.00	2.67	0.00	0.00
Total carbonate allochems	2.67	4.67	12.67	0.00	0.00
FERRUGINOUS MATERIAL					
Ferruginous grains (haematite)	2.00	5.00	8.33	0.00	0.00
Ferruginous grains (limonite)	0.00	0.00	2.67	0.00	0.00
Ferruginous grains (chamosite)	0.33	1.33	0.33	0.00	0.00
Ferruginous grains (goethite)	0.00	0.00	2.00	0.00	0.00
Total Ferruginous grains	2.33	6.33	13.33	0.00	0.00
AUTHIGENIC PHASES					
Sparry/micritic calcite cement	20.67	34.33	20.67	47.67	37.67
Replacive calcite	0.00	0.00	0.67	0.00	1.00
Pyrite	0.00	0.00	0.33	9.00	3.33
Quartz cement	0.00	0.00	0.00	0.00	0.00
Authigenic clay	0.00	0.00	0.33	1.67	0.00
POROSITY					
Primary interparticle porosity	0.00	0.00	0.00	3.00	0.33
Secondary intraparticle porosity	3.00	3.00	1.67	0.00	1.00
Secondary oversized porosity	2.33	0.67	0.00	0.00	0.00
Fracture porosity	0.00	0.00	0.00	0.00	0.00
Total Porosity	5.33	3.67	1.67	3.00	1.33
TOTAL	100.00	100.00	100.00	100.00	100.00

Table 3: Modal analysis listing for point-counted samples from the shallow boreholes (Page 3 of 5).