

- matrix, moderately hard, porosity fair, permeability poor.
40% Shale; dark grey brown, as above.
Cavings?
30% Shale; buff to light grey, silty, in part very finely sandy, sparsely glauconitic, calcareous, fossiliferous.
Trace of scattered calcareous skeletal debris, bryozoa gastropods.
- 7750-7760 70% Sand; coarse grained to granule, fine pebbles, sub angular, to rounded, trace white clay matrix, pyritic cement, trace rounded dark grey chert.
10% Sandstone; light grey to grey white, fine to very fine.
20% Shale; dark grey brown, as above.
Dull gold fluorescence in some grains, no cut.
- 7760-7770 100% Sand; as above.
- 7770-7780 70% Sand; coarse grained to granule, fine to pebbly, sub angular to rounded, trace white clay matrix, certain percentage of grains fluoresce, dull gold, no cut, transparent grains fluoresce, opaque grains do not - inclusion fluorescence.
30% Cavings; light grey to grey blue, calcareous shale.
Trace of dark brown shale as above.
- 7780-7790 100% light grey to grey blue, calcareous, silty in part, fossiliferous, cavings.
Trace of quartz sand and dark brown silty shale.
- 7790-7800 30% Quartz sand, coarse grained to granule, fine to pebbly, angular to rounded, trace white clay matrix, certain grains have a perfect crystal form.
10% Buff calcareous shale; as above, cavings.
30% Shale; light grey, calcareous, as above.
10% "Metaquartzite" grains - dark grey, angular (broken), to rounded, dense.
- 7800-7810 90% Quartz sand.
10% Angular to rounded grains, dark grey, dense 'metaquartzite', sparsely pyritic, very hard.
Trace of sandstone, light grey to grey-white, fine to coarse grained, angular to sub rounded, poor sorting, trace white clay matrix abundant.
- 7810-7820 90% Quartz sand; as above.
10% 'Metaquartzite' as above.
Trace of sandstone, light grey, fine to medium grained to coarse grained, angular to sub rounded, poor sorting, trace of white clay matrix, dense siliceous cement, trace dark grey, sub rounded metaquartzite pebbles (5 mm), hard, dense, no porosity or permeability. Certain quartz grains fluoresce dull gold, no cut.
- 7820-7830 60% Quartz sand; coarse grained, fine to pebbly, angular to sub rounded, as above. Trace white clay matrix.
10% 'Metaquartzite'; dark grey, dense, sparsely pyritic, very fine grained.
10% Sandstone; grey white to light grey, fine to medium grained, sub angular to sub rounded, poor sorting with scattered grains of fine pebbly quartz sand and sub rounded dark grey 'metaquartzite' pebbles (5 mm), trace of white clay matrix, siliceous and partly dolomitic cement, very hard, no porosity or permeability.
20% Shale; dark brown to dark grey brown, as above.
- 7830-7840 70% Quartz sand; angular to sub angular, coarse grained to granule with trace siliceous cement.
20% Quartzite; dark to light grey, mottled, dense, very hard, sparsely pyritic, occurring as argillaceous fragments and splinters, generally some have sub rounded aspect, one has trace of white siliceous cement.