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PYRITE IN CORE - SMD 14

EXAMINATION AT 40X ON SAWN CORE

by G. Weste

DEPTH METRES	BOX NO	PYRITE (%)	PYRITE GRAIN SIZE	DESCRIPTION
	1	<1	Coarse	
	1	1	Coarse	
13.0	2	1.5	Coarse to fine	Coarse pyrite with stylolites. Fine pyrite in darker limestone.
15.0	2	1-2	Fine	
18.3	2	1-2	Very fine to medium	Larger grains spheroidal in stylolites or alongside them. Fine disseminated pyrite in darker (carbonaceous?) material
19.0	3	1-1.5	Coarse	In stylolitic limestone.
	3	1.5	Coarse	Pyrite in stylolites.
	3	1.5	Fine & coarse	Stylolitic. Fine pyrite throughout.
20.7	3	2	Fine > coarse	The darker material contains most pyrite (fine).
27.0	4	0.5	Coarse > fine	Stylolitic
	4	1	Coarse > fine	Stylolitic
	4	1	Coarse > fine	Stylolitic
36.1	5	2-2½	Fine - medium	Banded limestone py concentration greatest in pale green bands.
38.0	5	2.5-3	Fine > coarse	Fecal pellet mudstone. Fine pyrite in and surrounding pellets.
	5	1-2	Fine - medium	Dark grey limestone.
44.0	6	1.5-2	Coarse = fine	Fecal pellet mudstone.
	6	1	Fine to coarse	Dark grey muddy limestone.
	6	1	Coarse & fine	Fine pyrite in dark grey limestone, coarse in stylolites.
52.0	7	3	Fine to coarse	Fecal pellet mudstone.
	7	2	Medium	Pale grey and dark grey limestone. py in dark limestone.
59.0	8	1.5	Medium	Mottled limestone.
	8	<1	Coarse - medium	Grey limestone with small white blebs.
67.0	9	<0.5	Coarse - medium	Pale grey limestone with variably sized white blebs.
	9	2.5	Coarse - medium	Banded limestone with bands of white calcite with pale green centres.
75.0	10	1	Medium	Dark grey limestone with thin wavy white white calcite bands.
	10	1.5	Fine	Grey limestone.
82.7	11	<0.5	Fine	Grey limestone with white lensoidal blebs