10. SEDIMENT THIN SECTION DATA, LEG 2

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Sample Designation ^a				Observable Porosity				Particle Size Mode (mm >0.062)						Packing			
				Inter-particle		Intra-particle		%Sand & Silt	>2.0	1.0 - 2.0	0.5 - 1.0	0.25 - 0.5	0.125 - 0.25	0.062 - 0.125	Gain Supported		
				Good	Fair	Good	Fair								Mud Supported	Interstitial Mud	Interstitial Void
															Interstitial Cement	Organic Binding	
9A	5	1	75														
9A	1	3															
9A	1	3															
12B	2	2	75-139														
9A	1	3	Scrap														
9A	3	1	70														
9A	3	2	20														
9A	3	2	75														
9A	4	1	120														
9A	4	1	30														
9A	5	1	20														
9A	5	1	135														
9A	5	2	100														
9A	5	2	30														
10	11	1	146-147														
10	13		Catcher														
12B	2	2	75-139														
11			Basement														
9A	1	3															
12B	3	1	132-133														
8A	2	1															
8A	2	1															
8A	3	1															
8A	3	1						15									
9A	1																
9A	1	2															
12B	2	2															
9A	5	2	100														
12B	2	2															
9A	6		Basement					Matrix essentially isotropic. Probably an altered radiolarite. Not volcanic in origin.									
9A	5																
9A	4	1															
9A	2	1															
9A	1	4															
9A	5	1	100														

^aHole - Core - Section - Depth in centimeters from top of section

Particulate Components

[illegible]

Particulate Components

Non-Carbonate

Rock Fragments

Organic

Miscellaneous

Sample Designation^a

Volcanic	Chert	Total %	Radiolaria	Sponge Spics.	Plant Frags.	Diatoms	Others	Total %	Mica		Phosphate	Glauconite	Pyrite	Manganese	Iron Oxides	Heavy Mineral	
									Colourless	Dark						Stable	Unstable

	9A	5	1	75													
	9A	1	3						9								
	9A	1	3						7								
	12B	2	2	75-139													
	9A	1	3	Scrap													
	9A	3	1	70			5	X									
	9A	3	2	20			3	X									
	9A	3	2	75			1	X									
	9A	4	1	120													
	9A	4	1	30													
	9A	5	1	20													
	9A	5	1	135													
	9A	5	2	100			1	X									
	9A	5	2	30													
	10	11	1	146-147													
	10	13		Catcher													
	12B	2	2	75-139					2								
	11			Basement													
	9A	1	3														
	12B	3	1	132-133													
	8A	2	1				70	X									
	8A	2	1				40	X									
	8A	3	1				80	X									
	8A	3	1				20	X									
	9A	1							4								
	9A	1							20								
	9A	1	2				30	X									
	12B	2	2														
	9A	5	2	100													
	12B	2	2														
	9A	6		Basement													
	9A	5															
	9A	4	1														
	9A	2	1				70	X									
	9A	1	4				80	X									
	9A	5	1	100													

				Matrix or Cement																								
Miscellaneous				Carbonate					Non- Carbonate																			
	Barite or Celestite	Glass	Others	Calcite		Dolo- mite		Evaporites				Clays				Silica			Miscellaneous									
				Micrite (%)	Sparite (%)			Macro (%)	Micro (%)	Siderite	Total %	Anhydrite	Gypsum	Halite	Total %	Kaolinite	Illite-Sericite	Chlorite	Matrix Undiff.	Total %	Quartz	Chert	Total %	Bitumen	Phosphate		Coal	Pyrite
				90																								
				88																								
													100	X														
					4								95	X						1						?		
					2								93	X														
													91	X														
													99	X														
													100	X														
													98	X						2						?		
													98	X						2						?		
													98	X						2						?		
													99	X														
													100	X														
				90									100	X														
													98	X														
				80									95			X												
																	30		X									
													10			X		50	X									
																	20	X	X									
																	51	X	X									
	X					80																						
													70		X													
													98		X					2				/				
													100		X													
													100															
													100															
																	30		X									
																	20	X	X									
													98			X				2						?		

[/ : Present
X : Abundant]

Sample Designation ^a					Structures/Textures												
					Fractures												
					Silica	Carbonate	Anhydrite	Others									
	9A	5	1	75													
	9A	1	3														
	9A	1	3														
	12B	2	2	75-139													
	9A	1	3	Scrap													
	9A	3	1	70													
	9A	3	2	20													
	9A	3	2	75													
	9A	4	1	120													
	9A	4	1	30													
	9A	5	1	20													
	9A	5	1	135													
	9A	5	2	100													
	9A	5	2	30													
	10	11	1	146-147													
	10	13		Catcher													
	12B	2	2	75-139													
	11			Basement													
	9A	1	3														
	12B	3	1	132-133													
	8A	2	1														
	8A	2	1														
	8A	3	1														
	8A	3	1														
	9A	1															
	9A	1	2														
	12B	2	2														
	9A	5	2	100													
	12B	2	2														
	9A	6		Basement													
	9A	5															
	9A	4	1														
	9A	2	1														
	9A	1	4														
	9A	5	1	100													

	Remarks
	Slide too thick for diagnosis.
	Laminated
	Preferred illite orientation cross-cutting original texture.
	Calcite in micro-nodules
	Iron-rich
	Iron-rich
	Iron-rich
	Iron-rich
	Iron-rich (too thick to be positive).
	Iron-rich
	Porphyritic Basalt
	Too thick for diagnosis
	Barite in 'vugs' & intergranular spaces
	Iron stained
	Probably chert with Radiolaria — but too thick.
	Iron stained
	Iron stained