TABLE 5

SANDSTONE XRD MINERALOGY

TABLE 5 : SANDSTONE XRD MINERALOGY

Hole	Sample no	Fraction	Depth	Quartz	Muscovite	Chlorite	Kaolinite	Hematite	Other
SMLB001	611304	Bulk	7.0	D	Tr				
		>2um		Tr	D		Tr-A		
SMLB001	611305	Bulk	53.0	D			Tr		
		>2um		A	CD		CD		
SMLB001	611306	Bulk	65.0	D	A		Tr		
		>2um		Tr-A	D		A		
SMLB001	611307	Bulk	74.0	D	A				
		>2um		Tr	D	Tr-A			
SMLB002	611394	Bulk	6.0	D	Tr				
		>2um		A	D	SD			
SMLB002	611395	Bulk	50.0	D	Tr		Tr		
		>2um		Tr	D		A		
SMLB002	611396	Bulk	70.0	D	Tr		Tr		
		>2um		Tr	D		A		
SMLB002	611397	Bulk	80.0	D	Tr-A		Tr		
		>2um		Tr	D		Tr-A		
N147-01	611605	Bulk	50.0	D			Tr		
		>2um		A	Tr	Tr	D		
N147-01	611606	Bulk	100.0	D	Tr				
		>2um		A	D	A-SD			
N147-01	611607	Bulk	150.0	D			Tr		
		>2um		A			D		
N147-01	611608	Bulk	171.0	D		A		Tr	
		>2um		A					Inhibited vermiculite(D), Corrensite(A)
N147-01	611609	Bulk	181.0	D		Tr			
		>2um		A		D			Corrensite(Tr)
N147-01	611610	Bulk	191.0	D		Tr		Tr	
		>2um		A	Tr	D			
N147-02	611591	Bulk	50.0	D			Tr		
		>2um		A	Tr		D		
N147-02	611592	Bulk	100.0	D			Tr		
		>2um		A	Tr	A	D		

TABLE 5 : **SANDSTONE XRD MINERALOGY**

Hole	Sample no	Fraction	Depth	Quartz	Muscovite	Chlorite	Kaolinite	Hematite	Other
N147-02	611593	Bulk	150.0	D			Tr		
		>2um		Tr	Tr		D		
N147-02	611594	Bulk	160.0	D		A			
		>2um		A					Inhibited Vermiculite(D), Corrensite(Tr-A)
N147-02	611595	Bulk	170.0	D		A		Tr	
		>2um		A		D			
N147-03	611641	Bulk	10.0	D			Tr		
		>2um		A	Tr	Tr	D		
N147-03	611642	Bulk	50.0	D			Tr		
		>2um		A	Tr		D		
N147-03	611643	Bulk	100.0	D			Tr		
		>2um		Tr	Tr		D		
N147-03	611644	Bulk	125.0	D			Tr		
		>2um		A	Tr	Tr-A	D		
N147-03	611645	Bulk	134.0	D		Tr		Tr	
		>2um		A		D			
N147-03	611646	Bulk	140.0	D		Tr-A		Tr	
		>2um		A		D			
N147-04	611647	Bulk	6.0	D			Tr		
		>2um		A	Tr		D		
N147-04	611648	Bulk	50.0	D			Tr		
		>2um		A	Tr		D		
N147-04	611649	Bulk	100.0	D			Tr	Tr	
		>2um		A	Tr		D		
N147-04	611650	Bulk	145.0	D		Tr		Tr	
		>2um		A	Tr	D		D	
N147-04	611651	Bulk	155.0	D		Tr		Tr	
		>2um		A	Tr	D		D	
N147-04	611652	Bulk	165.0	D	Tr				
		>2um		A	D	Tr		T	
N147-05	611596	Bulk	50.0	D					
		>2um		A		D	SD		
N147-05	611597	Bulk	85.0	D			Tr		
		>2um		A	Tr		D		

TABLE 5 : **SANDSTONE XRD MINERALOGY**

Hole	Sample no	Fraction	Depth	Quartz	Muscovite	Chlorite	Kaolinite	Hematite	Other
N147-05	611598	Bulk	100.0	D		Tr-A		Tr	
		>2um		A					Inhibited vermiculite (D), Corrensite(Tr-A)
N147-05	611599	Bulk	105.0	D				Tr	
		>2um		A		A-SD			
N147-06	611600	Bulk	50.0	D			Tr	Tr	
		>2um		A	D	Tr-A	D		
N147-06	611601	Bulk	100.0	D		A		Tr	
		>2um		A		D	Tr		
N147-06	611602	Bulk	113.0	D		Tr-A		Tr	
		>2um		A		D			
N147-06	611603	Bulk	123.0	D		A		Tr	
		>2um		A		D			
N147-06	611604	Bulk	133.0	D		A		Tr	
		>2um		A	A	D			
N147-07	611540	Bulk	5.0	D			Tr	Tr	
		>2um		Tr	Tr				
N147-07	611541	Bulk	48.0	D			Tr		
		>2um		A	Tr				
N147-07	611542	Bulk	100.0	D			Tr	Tr	
		>2um		A	D				
N147-07	611543	Bulk	140.0	D		Tr-A		Tr	
		>2um		A	Tr				Inhibited vermiculite (D), Corrensite (Tr)
N147-07	611544	Bulk	151.0	D		Tr-A		Tr	
		>2um		A	D	A-SD			
N147-07	611545	Bulk	161.0	D	Tr	Tr		Tr	
		>2um		Tr	D	Tr-A			
U65-04	611313	Bulk	1.0	D				Tr	
		>2um		Tr	D				
U65-04	611314	Bulk	50.0	D					
		>2um		Tr-A	D				
U65-04	611315	Bulk	100.0	D	Tr-A				
		>2um		Tr	D		Tr		
U65-04	611316	Bulk	150.0	D	Tr		Tr		
		>2um		Tr	D		A		

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Hole	Sample no	Fraction	Depth	Quartz	Muscovite	Chlorite	Kaolinite	Hematite	Other
U65-04	611317	Bulk	164.0	D			Tr-A		
		>2um		Tr			D		
U65-04	611318	Bulk	173.0	D	Tr-A				
		>2um		A	D	A	Tr		
U65-04	611319	Bulk	178.0	D	Tr	Tr-A		Tr	
		>2um		A	D	SD	Tr		
U65-05	611516	Bulk	4.0	D					
		>2um		SD	SD				
U65-05	611517	Bulk	50.0	D					
		>2um		A	Tr	Tr-A	D		
U65-05	611518	Bulk	100.0	D			Tr	Tr	
		>2um		A		A	D		
U65-05	611519	Bulk	150.0	D		Tr-A		A	
		>2um		Tr-A	Tr	D			
U65-05	611520	Bulk	160.0	D		Tr			
		>2um		A	Tr	D			
U65-05	611521	Bulk	170.0	D		Tr			
		>2um		Tr-A	Tr	D			Corrensite(Tr)

Semi-quantitative Abbreviations

D	Dominant	Used for the component apparently most abundant, regardless of its probable percentage level.
CD	Co-dominant	Used for two or more predominating components, all of which are judged to be present in roughly equal amounts.
SD	Sub-dominant	The next most abundant component(s) providing its percentage level is judged above about 20%.
A	Accessory	Components judged to be present between the levels of roughly 5 and 20%.
Tr	Trace	Components judged to be below about 5%.