

Appendix 1

Results of palynofacies analysis

Fm.	Sample No.	PH%	AOM%	MP%	Palynofacies type (Tyson, 1995)	Fm.	Sample No.	PH%	AOM%	MP%	Palynofacies type (Tyson, 1995)	
Sarcheshmeh	2840	65.0	30.0	5.0	II	Sanganeh	2496	37.9	21.7	40.4	V	
	2842	50.0	42.9	7.1	VI		2504	24.0	16.0	60.0		
	2844	55.9	41.2	2.9			2512	32.9	33.6	33.5		
	2846	42.8	41.1	16.1	IV		2520	78.0	17.2	4.8	II	
	2848	67.5	20.9	11.6			2528	23.3	29.5	47.2	V	
	2850	37.1	55.5	7.4	VI		2536	33.3	39.3	27.4	VII	
	2854	65.1	31.1	3.8	II		2544	28.5	25.5	46.0	V	
	2858	62.2	21.6	16.2	IV		2552	18.7	31.3	50.0		
	2862	44.0	52.0	4.0	VI		2560	36.9	35.2	27.9	VII	
	2866	60.0	33.3	6.7	II		2568	31.8	17.9	50.3	V	
	2870	69.7	27.3	3.0			2576	25.7	30.8	43.5		
	2874	70.7	20.8	8.5			2584	40.0	16.3	43.7		
	2878	82.0	12.0	6.0			2592	41.7	24.5	33.8		
	2884	66.7	25.0	8.3	VI		2600	52.3	39.7	8.0	IV	
	2886	55.9	23.8	20.3	IV		2608	57.7	24.0	18.3		
	2892	64.7	23.5	11.8			2616	30.3	52.7	17.0	VII	
	2896	36.0	32.8	31.2	VII		2624	36.1	17.6	46.3	V	
	2900	51.2	44.1	4.7	VI		2632	21.4	10.5	68.1		
	2904	43.3	38.8	17.9	IV		2640	29.0	12.2	58.8		
	2908	66.3	32.5	1.2	II		2648	36.5	15.1	48.4		
	2912	35.4	37.3	27.3	VII		2656	43.3	14.5	42.2		
	2920	56.2	20.5	23.3	IV		2664	31.6	14.5	53.9		
	2924	72.4	17.2	10.4			2672	39.2	13.4	47.4		
	2928	90.3	8.3	1.4	II		2680	42.0	20.0	38.0		IV
	2932	74.6	14.5	10.9	IV		2688	79.7	9.0	11.3		
	2936	83.3	14.4	2.3	II		2696	83.7	6.1	10.2		
	2940	65.7	24.4	9.9			2704	78.7	8.9	12.4		
	2944	75	22.5	2.5			2712	85.8	10.8	3.4	II	
	2948	72.4	20.4	7.2			2720	73.8	15.4	10.8	IV	
	2952	73.9	20.0	6.1			2728	76.1	14.2	9.7	II	
	2956	79.3	14.2	6.5			2736	63.7	26.0	10.3	IV	
	2960	63.5	26.9	9.6			II	2744	75.8	15.3	8.9	
	2964	82.3	11.8	5.9				2752	88.5	8.4	3.1	
	2968	56.4	33.4	10.2	IV		2760	73.6	12.0	14.4	IV	
	2969	57.6	33.3	9.1	II		2768	58.5	21.9	19.6		
	2970	59.1	27.3	13.6	IV		2776	73.9	12.3	13.8		
2974	69.4	28.6	2.0	II	2784	88.3	7.3	4.4	II			
2978	75.0	18.8	6.2		2792	79.5	10.3	10.2	IV			
2980	66.0	30.0	4.0	VI	2800	77.9	11.3	10.8				
2984	54.8	35.5	9.7		2808	88.2	9.3	2.5	II			
2988	56.3	31.2	12.5	IV	2816	85.8	6.3	7.9				
2992	73.5	12.0	14.5		2824	78.4	9.0	12.6	IV			
2996	75.0	10.7	14.3		2830	76.7	18.9	4.4	II			
3000	65.0	32.5	2.5	II	2832	71.2	20.3	8.5				
3004	70.9	21.8	7.3		2834	55.8	18.7	25.5	IV			
3008	48.6	23.6	27.8	IV	2836	70.2	27.7	2.1	II			
3012	58.0	36.0	6.0	VI	2838	56.4	23.6	20.0	IV			
3016	70.8	25.0	4.2	II								
					LEGEND	AOM: Amorphous organic materials						
						PH: Phytoclasts						
						MP: Marine palynomorphs						