Qayyum DR20010028

TABLE DR1. PERCENTAGES OF DIFFERENT FRAMEWORK GRAINS OF THE KHOJAK FORMATION

Sections with sample locations (m)	Sample numbers	Quartz		Feldspar		Volcanic rock fragments				Metamorphic rock fragments							Sedimentary rock fragments							Accessory minerals (A)	Unidentified (Misc.)	P/F
		Qm	Qp	K	P	Vm	Vl	Vf	Vo	Ms	Mp	Mq	Msp	Mm	Mb	Mc	Sa	Sst	Ssd	Scb	Scr	Sc	So			
Ashewat																										
	91-RL-17	44.8	11.6	2.8	6.0	0.0	0.4	0.2	0.4	1.2	3.4	0.4	0.2	0.2	0.2	1.8	23.4	0.0	0.0	0.8	0.0	2.0	0.0	0.2	0.0	0.68
	91-RL-15	31.6	15.6	3.6	8.8	0.0	0.0	0.2	0.4	1.4	4.8	0.6	0.0	0.2	0.2	0.0	19.2	0.0	0.0	0.8	0.0	12.4	0.0	0.0	0.2	0.71
	MEAN	38.2	13.6	3.2	7.4	0.0	0.2	0.2	0.4	1.3	4.1	0.5	0.1	0.2	0.2	0.9	21.3	0.0	0.0	0.8	0.0	7.2	0.0	0.1	0.1	0.70
	S.D.	9.3	2.8	0.6	2.0	0.0	0.3	0.0	0.0	0.1	1.0	0.1	0.1	0.0	0.0	1.3	3.0	0.0	0.0	0.0	0.0	7.4	0.0	0.1	0.1	0.02
Manzaki																										
3828	91-RL-46B	23.8	18.2	3.6	10.6	0.8	0.6	2.2	0.8	2.6	3.6	0.0	2.8	0.2	1.0	2.6	16.2	0.2	0.0	3.0	0.2	5.8	0.0	0.8	0.4	0.75
3792	91-RL-46A	30.0	14.8	3.8	11.6	0.0	0.4	0.4	1.0	4.0	2.8	0.8	0.6	0.2	0.8	2.0	15.8	0.2	0.0	2.0	0.0	6.6	0.0	2.0	0.2	0.75
2871	91-RL-42	36.6	9.8	1.6	3.4	0.2	0.0	0.2	1.8	3.8	4.0	0.4	0.2	0.2	0.4	2.6	18.0	0.0	0.0	7.4	0.2	7.0	0.0	1.6	0.6	0.68
2530	91-RL-40	36.8	18.4	3.0	4.6	0.4	0.6	0.6	2.0	5.8	3.0	1.0	1.0	0.0	0.2	1.6	6.0	0.0	0.4	3.4	0.0	10.2	0.0	0.2	0.8	0.61
2176	91-RL-34	50.4	6.4	04	3.0	0.0	1.0	0.0	1.8	1.6	1.6	0.0	0.0	0.2	0.0	1.6	14.4	0.0	0.0	5.6	0.0	9.2	0.0	1.2	1.6	0.88
2049	91-RL-30B	51.2	6.8	1.4	3.8	0.0	0.0	0.0	3.4	1.6	2.4	0.0	0.0	0.6	0.2	3.8	15.6	0.0	0.0	1.8	0.0	4.2	0.0	1.4	1.8	0.73
2044	91-RL-30A	47.2	7.2	3.4	9.4	0.2	0.0	0.0	2.0	1.2	5.2	0.0	0.0	0.4	1.4	3.2	9.0	0.0	0.4	3.0	0.0	3.8	0.0	0.8	2.2	0.73
1308	91-N-40	50.8	7.8	5.4	9.4	1.0	0.2	0.6	1.6	0.8	5.8	0.0	0.0	0.0	0.2	0.4	7.8	0.0	0.4	1.0	0.0	5.0	0.0	0.2	1.6	0.64
1291	91-N-39	44.4	9.2	1.4	4.2	0.4	0.8	2.0	1.4	4.2	9.8	4.8	0.4	0.2	0.2	0.6	5.6	0.0	1.2	2.6	0.0	5.4	0.0	0.2	1.0	0.75
1095	91-N-37	48.2	7.0	2.8	5.0	0.2	1.0	0.0	1.2	0.4	7.0	0.0	0.0	0.0	0.4	1.4	7.0	0.2	0.4	3.4	0.2	10.6	0.0	2.4	1.2	0.64
839	91-N-32	56.0	6.0	3.0	6.8	0.4	0.2	0.0	1.4	0.4	5.6	0.0	0.0	0.0	0.8	1.2	2.8	0.0	0.0	1.6	0.0	12.0	0.0	0.2	1.6	0.69
696	91-N-24	44.8	8.2	1.6	5.8	0.0	0.0	0.0	1.0	0.4	2.0	0.0	0.0	0.2	0.2	1.6	18.8	0.4	0.0	5.0	0.0	8.6	0.0	1.0	0.4	0.78
452	91-N-16	46.0	8.8	2.8	7.6	0.0	0.0	0.4	0.4	1.0	1.4	0.0	0.0	0.0	0.6	1.2	17.2	0.4	0.0	2.6	0.0	8.8	0.0	0.0	0.8	0.73
347	91-N-9	42.8	10.6	3.2	12.4	0.0	O.8	0.0	1.6	0.2	1.2	0.0	0.0	0.0	0.8	1.6	12.2	0.2	0.0	2.0	0.0	9.8	0.0	0.0	0.6	0.79
315	91-N-8	48.8	6.4	2.8	9.4	0.0	0.8	0.0	1.4	0.2	0.2	0.0	0.0	0.2	0.0	0.6	17.2	0.0	0.0	4.0	0.0	7.0	0.0	0.8	0.2	0.77
185	91-N-6	52.2	5.8	3.6	4.6	0.0	0.6	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	13.0	0.6	0.2	6.2	1.0	11.0	0.0	0.2	0.6	0.56
176	91-N-5	50.6	4.2	2.4	10.6	0.0	0.6	0.2	0.4	0.0	0.4	0.0	0.0	0.0	0.4	0.2	16.8	0.4	0.2	3.6	0.0	8.4	0.0	0.2	0.4	0.82
121	91-N-1	45.6	9.6	1.8	7.2	0.0	0.4	0.0	0.4	0.0	0.2	0.0	0.0	0.0	0.2	0.2	26.8	0.0	0.0	1.6	0.0	5.6	0.0	0.2	0.2	0.80
	MEAN	44.8	9.2	2.7	7.2	0.2	0.4	0.4	1 3	1.6	3.1	0.4	0.3	0.1	0.4	1.5	13.3	0.1	0.2	3.3	0.1	7.7	0.0	0.7	0.9	0.73
	S.D.	8.2	4.1	1.2	3.0	0.3	0.4	0.7	0.8	1.8	2.7	1.1	0.7	0.2	0.4	1.1	6.0	0.2	0.3	1.7	0.2	2.5	0.0	0.7	0.6	0.08
Rud Faqirzai																										
2254	91 –N-351 B	48.8	10.4	2.4	9.2	0.2	0.4	0.0	0.4	0.2	0.8	0.0	3.0	0.2	0.0	0.6	16.2	0.4	0.0	0.4	0.2	3.8	2.2	0.0	0.2	0.79
2076	91-N-345	48.6	3.6	1.4	6.4	0.0	0.0	0.0	0.0	0.0	0.2	0.0	5.6	0.4	1.2	2.6	27.6	0.0	0.0	0.0	0.0	2.0	0.0	0.4	0.0	0.82
1799	91-MZ-68	49.6	5.8	2.0	8.4	0.0	0.0	0.0	0.4	0.6	0.0	0.0	3.8	0.2	0.0	0.6	24.6	0.0	0.0	0.2	0.0	3.0	0.0	0.6	0.2	0.81
1661	91 –MZ-62	41.2	7.2	2.2	9.2	0.0	0.0	0.0	0.0	0.2	2.2	0.0	3.4	0.4	2.4	3.8	19.0	0.0	0.0	1.2	0.0	5.8	0.6	0.4	0.8	0.81
1048	91-N-339	72.6	6.6	O.6	4.8	0.0	0.0	0.0	0.6	0.0	0.4	0.0	0.0	0.2	0.0	1.0	10.0	0.0	0.0	0.4	0.0	2.4	0.0	0.2	0.2	0.89
925	91-N-335	64.6	12.8	0.2	2.6	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.4	17.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.93
543	91 –N-308	51.2	7.0	0.2	3.4	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.6	0.2	30.8	0.0	0.0	0.0	0.0	3.6	2.6	0.2	0.0	0.94
143	91-MZ-37	67.6	9.0	0.4	5.4	0.0	0.0	0.0	0.0	0.4	0.6	0.2	0.0	0.2	0.2	0.2	7.0	0.0	0.0	0.0	0.0	7.8	0.0	0.8	0.2	0.93
	MEAN	55.5	7.8	1.2	6.2	0.0	0.1	0.0	0.2	0.2	0.6	0.0	2.0	0.2	0.6	1.2	19.0	0.1	0.0	0.3	0.0	3.8	0.7	0.3	0.2	0.87
	S.D.	11.2	2.9	0.9	2.6	0.1	0.1	0.0	0.2	0.2	0.7	0.1	2.2	0.2	0.8	1.3	8.3	0.1	0.0	0.4	0.1	2.1	1.1	0.3	0.3	0.06
Sharankar Syncline																										
3708	91-N-166	47.8	15.6	1.8	6.8	0.6	0.8	0.4	1.2	1.4	1.4	0.8	0.6	0.0	0.0	1.4	12.8	0.2	0.0	0.0	0.0	6.0	0.0	0.4	0.0	0.79
1213	91-N-167	52.2	17.2	1.0	4.8	0.2	0.2	0.0	1.4	0.6	0.2	1.4	2.2	0.4	0.0	1.0	10.2	0.0	0.0	1.2	0.0	5.0	0.0	0.2	0.6	0.83
	MEAN	50.0	16.4	1.4	5.8	0.4	0.5	0.2	1.3	1.0	0.8	1.1	1.4	0.2	0.0	1.2	11.5	0.1	0.0	0.6	0.0	5.5	0.0	0.3	0.3	0.81
	S.D.	3.1	1.1	0.6	1.4	0.3	0.4	0.3	0.1	0.6	0.8	0.4	1.1	0.3	0.0	0.3	1.8	0.1	0.0	0.8	0.0	0.7	0.0	0.1	0.4	0.03
Gardab Manda																										
	91-MZ-3	54.2	2.4	3.8	7.4	0.0	0.0	0.0	0.2	0.0	0.4	0.0	0.0	0.0	0.8	0.2	24.6	0.0	0.0	1.0	0.0	4.8	0.0	0.2	0.0	0.66
1118	91-N-168	41.6	8.2	4.8	10.2	0.0	0.0	0.0	0.0	1.8	2.4	0.6	0.4	1.6	2.0	1.4	22.6	0.0	0.0	0.2	0.0	1.8	0.0	0.0	0.4	0.68
1057	91-N-165	39.4	13.2	3.2	7.8	0.0	0.2	0.0	0.2	2.4	3.0	0.0	0.2	0.2	1.0	2.2	24.2	0.0	0.0	0.6	0.0	1.8	0.0	0.2	0.2	0.71
865	91-N-160	39.8	11.8	2.8	6.6	0.0	0.0	0.0	0.0	1.8	2.2	0.0	1.0	1.0	0.4	2.8	27.6	0.2	0.0	0.0	0.0	1.4	0.0	0.6	0.0	0.70
804	91-N-157	33.0	9.2	6.4	14.2	0.0	0.2	0.0	0.2	0.2	2.0	1.0	3.4	1.4	0.2	2.4	23.0	0.0	0.0	0.4	0.0	2.4	0.0	0.2	0.2	0.69
457	91-N-138	7.6	13.4	1.0	14.0	1.4	3.0	3.6	11.2	0.0	0.6	0.0	18.2	0.2	0.0	3.4	14.4	0.0	0.0	2.2	0.2	2.8	0.2	1.6	1.0	0.93
337	91-N-125	6.0	11.6	0.0	8.0	12.4	8.8	4.0	0.8	0.0	0.0	0.0	24.0	0.0	1.2	0.0	7.6	0.8	0.0	0.8	3.2	7.6	0.0	2.0	1.2	1.00
42	91-N-92	14.8	7.6	0.6	8.0	1.6	12.6	2.8	3.0	0.0	0.0	0.0	9.0	0.0	0.0	1.2	10.0	1.2	0.2	21.2	0.8	4.4	0.0	1.0	0.0	0.93
	MEAN	41.6	9.0	4.2	9.2	0.0	0.1	0.0	0.1	1.2	2.0	0.3	1.0	0.8	0.9	1.8	24.4	0.0	0.0	0.4	0.0	2.4	0.0	0.7	0.4	0.79
	S.D.	7.8	4.2	1.4	3.1	0.0	0.1	0.0	0.1	1.1	1.0	0.5	1 4	0.7	0.7	1.0	2.0	0.1	0.0	0.4	0.0	1.4	0.0	0.7	O.5	0.14
Surkatch																										
	91-N-500	55.8	17.4	1.4	4.0	0.4	1.2	0.0	0.0	0.0	0.2	0.0	5.0	0.2	0.2	2.0	9.2	0.8	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.74
	91-466-001	41.4	16.0	3.0	6.8	0.0	0.4	0.0	0.2	0.2	0.2	0.0	1.6	0.8	0.8	0.8	24.4	0.0	0.0	0.0	0.0	2.8	0.0	0.2	0.4	0.69
	MEAN	48.6	16.7	2.2	5.4	0.2	0.8	0.0	0.1	0.1	0.2	0.0	3.3	0.5	0.5	1.4	16.8	0.4	0.0	0.0	0.0	2.5	0.0	0.1	0.2	0.72
	S.D.	10.2	1.0	1.1	2.0	0.3	0.6	0.0	0.1	0.1	0.0	0.0	2.4	0.4	0.4	0.8	10.7	0.6	0.0	0.0	0.0	0.4	0.0	0.1	0.3	0.03
Chaman																										
	78-RL-28	40.2	14.8	2.8	9.4	0.4	2.6	0.0	0.0	0.2	0.0	0.0	0.0	1.6	0.0	0.6	24.6	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.77
	78-RL-183	40.6	14.6	2.4	9.2	1.0	1.4	0.0	0.0	0.0	0.4	0.2	0.6	0.4	6.0	0.0	17.2	0.0	0.0	0.2	0.0	5.2	0.0	0.6	0.0	0.79
	78-RL-186	44.6	17.2	2.4	8.6	0.8	0.4	0.0	0.0	1.4	2.4	1.2	0.0	0.2	3.2	0.0	12.2	0.0	0.0	0.6	0.0	4.2	0.0	0.2	0.4	0.78
	MEAN	41.8	15.5	2.5	9.1	0.7	1.5	0.0	0.0	0.5	0.9	0.5	0.2	0.7	3.1	0.2	18.0	0.0	0.0	0.3	0.0	4.1	0.0	0.3	0.1	0.78
	S.D.	2.4	1.4	0.2	0.4	0.3	1.1	0.0	0.0	0.8	1.3	0.6	0.3	0.8	3.0	0.3	6.2	0.0	0.0	0.3	0.0	1.2	0.0	0.3	0.2	0.01

Note: The lower three samples from the Gardab Manda section were not incorporated when calculating the mean and standard deviation. For explanation, see section on Lower Gardab Manda section. Sample locations in the measured sections are also given in meters. All data are normalized to sum to 100%. Qm—monocrystalline quartz; Qp—polycrystalline quartz; K—K-feldspar; P—plagioclase; Vm—microlithic; Vl—lathwork; Vf—felsitic; Vo—others; Ms—mica schist; Mp—phyllite; Mq—micaceous quartzite; Msp—serpentinite schist/fragments; Mm—muscovite; Mb—biotite; Mc—chlorite; Sa—argillite; Sst—siltstone; Ssd—sandstone; Scb—carbonate; Scr—radiolarian chert; Sc—chert; So—biotics.