

APPENDIX 1

**Recalculated modal composition of sandstones from the Shemshak Group
[in %]**

Sample	Qt F L [%]			Qm F Lt [%]		
	Qt	F	L	Qm	F	Lt
SF8	67	6	26	18	6	76
SF11	88	6	6	24	6	71
SF27	86	11	4	41	11	48
SF35	64	4	32	16	4	80
SF41	57	8	35	26	8	66
SF45	64	3	33	15	3	82
SF48	59	5	36	29	5	66
SF49	43	7	50	26	7	67
SF50	70	10	21	21	10	70
SF53	71	10	20	22	10	68
SF55	57	8	34	21	8	71
SF58	54	8	38	22	8	70
SF60	58	7	35	20	7	73
SF68	60	8	32	16	8	76
SF80	41	5	55	15	5	80
SF83	93	7	0	70	7	24
MEAN	65	7	29	25	7	68

Qm (monocrystalline quartz)-F (total feldspar = K-feldspar+plagioclase)-Lt (aphanitic lithic fragments + polycrystalline quartz); Qt (monocrystalline quartz + polycrystalline quartz+ chert)-L (aphanitic lithic fragments)