

Unit	Sample location		Sample No.	Depth <sup>γ</sup> (m)	K (%)	U (ppm)	Th (ppm)	Ext. α (μGy/a)	Ext. β (μGy/a)	Ext. γ (μGy/a)	Cosmic (μGy/a)	Annual dose (μGy/a)	No. of discs	OD (%)	De (Gy)	Age (ka)	
	Lat (°N)	Long (°W)															
<b>ZQ1</b>	b	29.6518	34.9520	1	3.5	1.66	3.1	7.1	13	1,704	1,067	137	2,921±60	10/13	46	170±66	<b>58±23</b>
	t (SG)	29.6518	34.9519	2	1.2	2.66	3.1	11.1	15	2,485	1,491	181	4,172±87	68/166/1100	42	205±12	<b>50±3</b>
	t (SG)	29.6540	34.9506	3	0.7	2.41	2.6	8.5	12	2,188	1,255	196	3,651±65	60/113/1100	34	176±7	<b>48±2</b>
	m	29.6509	34.9535	4	1.8	2.74	2.3	6.9	2	2,101	1,316	166	3,420±128	9/18	61	137±36	<b>40±10</b>
<b>ZQ2</b>	t	29.6504	34.9604	5	0.8	2.16	2.4	8.2	12	1,984	1,160	190	3,345±69	13/13	31	197±68	<b>59±20</b>
<b>ZQ4</b>	b	29.6499	34.9577	7	2.1	1.58	2.2	6.6	10	1,522	926	162	2,620±53	14/16	50	62±24	<b>24±9</b>
	t	29.6499	34.9577	8	0.65	2.82	3.8	12.8	18	2,725	1,686	199	4,628±96	14/17	58	33±9	<b>7.1±1.9</b>
	t	29.6523	34.9519	9	0.45	2.41	2.9	9.1	14	2,242	1,316	214	3,787±70	20/29	71	20±8	<b>5.2±2</b>
<b>ZP</b>	b (SG)	29.6504	34.9532	10	1.2	4.40	3.5	13.1	19	3,799	2,042	181	6,041±125	74/75/500	36	2.4±0.6	<b>0.4±0.1</b>

SG = Single grain measurement; m = sample collected from middle of mapping unit. OD = Over Dispersion  
t = sample collected from top of mapping unit; γ = Depth used to calculate samples cosmic dose  
b = sample collected from base of mapping unit; No. of discs = number of measurements used for age calculation