

DRAC 2.0

Location	Sample Code	Collection Date	Depth below surface (m)	Field water content* (%)	Cosmic dose-rate (Gy ka ⁻¹)	K (%)	U (ppm)	Th (ppm)	Infinite matrix Alpha dose-rate (Gy ka ⁻¹)	Infinite matrix Beta dose-rate (Gy ka ⁻¹)	Infinite matrix Gamma dose-rate** (Gy ka ⁻¹)	Total dose-rate*** (Gy ka ⁻¹)
N/A	KF08qtz	2099-12-12	6.40 ± 0.10	15.0 ± 5.0	0.1 ± 0.006	0.549 ± 0.094	2.027 ± 0.379	12.131 ± 1.266	14.612 ± 1.413	1.07 ± 1.07	0.751 ± 0.751	1.652 ± 0.645
	KF14	2099-12-12	8.50 ± 0.10	25.0 ± 5.0	0.081 ± 0.005	0.458 ± 0.048	1.006 ± 0.176	5.442 ± 0.584	6.825 ± 0.654	0.663 ± 0.663	0.524 ± 0.524	1.646 ± 0.414
	KF12qtz	2099-12-12	6.30 ± 0.10	15.0 ± 5.0	0.101 ± 0.006	0.566 ± 0.061	2.003 ± 0.215	5.617 ± 0.709	9.741 ± 0.797	0.899 ± 0.899	0.693 ± 0.693	1.459 ± 0.595
	KF01	2099-12-12	9.30 ± 0.10	25.0 ± 5.0	0.075 ± 0.004	0.366 ± 0.062	0.948 ± 0.249	8.16 ± 0.833	8.668 ± 0.929	0.656 ± 0.656	0.614 ± 0.614	1.823 ± 0.485
	KF10	2099-12-12	8.80 ± 0.10	25.0 ± 5.0	0.079 ± 0.004	0.57 ± 0.056	1.521 ± 0.209	6.245 ± 0.693	8.857 ± 0.777	0.85 ± 0.85	0.624 ± 0.624	1.983 ± 0.493
	KF07	2099-12-12	5.40 ± 0.10	10.0 ± 5.0	0.111 ± 0.006	0.417 ± 0.035	0.896 ± 0.11	2.894 ± 0.359	4.639 ± 0.406	0.544 ± 0.544	0.489 ± 0.489	1.853 ± 0.462
	KF13	2099-12-12	7.60 ± 0.10	20.0 ± 5.0	0.088 ± 0.005	0.342 ± 0.055	0.785 ± 0.222	7.539 ± 0.741	7.754 ± 0.827	0.596 ± 0.596	0.639 ± 0.639	1.854 ± 0.527
	KF15	2099-12-12	9.10 ± 0.10	28.0 ± 5.0	0.076 ± 0.004	0.458 ± 0.052	1.354 ± 0.189	5.383 ± 0.626	7.754 ± 0.702	0.712 ± 0.712	0.49 ± 0.49	1.737 ± 0.38
	KF04	2099-12-12	2.60 ± 0.10	10.0 ± 5.0	0.152 ± 0.01	0.984 ± 0.071	1.936 ± 0.226	6.223 ± 0.476	10.001 ± 0.723	1.24 ± 1.24	0.625 ± 0.625	2.737 ± 0.572
	KF02	2099-12-12	8.70 ± 0.10	25.0 ± 5.0	0.079 ± 0.005	0.471 ± 0.091	2.447 ± 0.378	11.401 ± 1.258	15.248 ± 1.407	1.048 ± 1.048	0.604 ± 0.604	2.228 ± 0.493
	KF05qtz	2099-12-12	3.80 ± 0.10	10.0 ± 5.0	0.132 ± 0.008	0.917 ± 0.053	0.799 ± 0.149	4.898 ± 0.05	5.845 ± 0.418	0.984 ± 0.984	0.703 ± 0.703	1.651 ± 0.635
	KF07qtz	2099-12-12	5.40 ± 0.10	10.0 ± 5.0	0.111 ± 0.006	0.417 ± 0.035	0.896 ± 0.11	2.894 ± 0.359	4.639 ± 0.406	0.544 ± 0.544	0.489 ± 0.489	1.044 ± 0.441
	KF06qtz	2099-12-12	4.70 ± 0.10	10.0 ± 5.0	0.12 ± 0.007	0.658 ± 0.04	0.747 ± 0.112	3.297 ± 0.369	4.519 ± 0.415	0.725 ± 0.725	0.72 ± 0.72	1.422 ± 0.649
	KF06	2099-12-12	4.70 ± 0.10	10.0 ± 5.0	0.12 ± 0.007	0.658 ± 0.04	0.747 ± 0.112	3.297 ± 0.369	4.519 ± 0.415	0.725 ± 0.725	0.72 ± 0.72	2.23 ± 0.663
	KF12	2099-12-12	6.30 ± 0.10	15.0 ± 5.0	0.101 ± 0.006	0.566 ± 0.061	2.003 ± 0.215	5.617 ± 0.709	9.741 ± 0.797	0.899 ± 0.899	0.693 ± 0.693	2.237 ± 0.599
	KF11	2099-12-12	8.50 ± 0.10	20.0 ± 5.0	0.081 ± 0.005	0.513 ± 0.044	1.249 ± 0.143	3.839 ± 0.472	6.322 ± 0.53	0.698 ± 0.698	0.75 ± 0.75	2.006 ± 0.616
	KF08	2099-12-12	6.40 ± 0.10	15.0 ± 5.0	0.1 ± 0.006	0.549 ± 0.094	2.027 ± 0.379	12.131 ± 1.266	14.612 ± 1.413	1.07 ± 1.07	0.751 ± 0.751	2.468 ± 0.649
	KF16s	2099-12-12	8.10 ± 0.10	25.0 ± 5.0	0.084 ± 0.005	1.004 ± 0.06	1.452 ± 0.169	4.403 ± 0.558	7.306 ± 0.627	1.135 ± 1.135	0.784 ± 0.784	2.32 ± 0.617
	KF04qtz	2099-12-12	2.60 ± 0.10	10.0 ± 5.0	0.152 ± 0.01	0.984 ± 0.071	1.936 ± 0.226	6.223 ± 0.476	10.001 ± 0.723	1.24 ± 1.24	0.625 ± 0.625	1.83 ± 0.567
	KF05	2099-12-12	3.80 ± 0.10	10.0 ± 5.0	0.132 ± 0.008	0.917 ± 0.053	0.799 ± 0.149	4.898 ± 0.05	5.845 ± 0.418	0.984 ± 0.984	0.703 ± 0.703	2.47 ± 0.65
	KF17	2099-12-12	8.70 ± 0.10	25.0 ± 5.0	0.079 ± 0.005	0.775 ± 0.132	1.492 ± 0.31	9.845 ± 1.036	11.431 ± 1.156	1.109 ± 1.109	0.875 ± 0.875	2.395 ± 0.69
	KF09	2099-12-12	7.10 ± 0.10	20.0 ± 5.0	0.093 ± 0.005	0.25 ± 0.043	1.282 ± 0.166	4.567 ± 0.548	6.951 ± 0.616	0.513 ± 0.513	0.62 ± 0.62	1.838 ± 0.525