

SOILS

Beta-Activity in Soils Collected at Rongelap Island February-March, 1958\*

404894

Plot No.	1		2		3	
Depth in inches	d/m/g dry	Per cent	d/m/g dry	Per cent	d/m/g dry	Per cent
					0-1/2 7290±280	92.0
0-1	1760± 72	96.5	1700±70	80.7	454± 22	5.7
1-2	32± 6	1.8	103±24	4.9	135± 27	1.7
2-3	32± 17	1.8	175±32	8.3	48± 18	.6
3-4	Bg -		95±24	4.5	Bg	
4-5	" -		32±17	1.5	Bg	
5-6	" -		Bg -		"	
6-7	" -		" -		"	
7-8	" -		" -		"	
8-9	" -		" -		"	
	<u>8</u>		<u>17</u>		<u>18</u>	
0-1	1160±104	92.4	1410±60	91.2	2410± 96	87.6
1-2	64± 15	5.1	56±10	3.6	207± 25	7.5
2-3	32± 13	2.5	24± 8	1.6	64± 14	2.3
3-4	Bg		24± 8	1.6	40± 13	1.5
4-5	"		16± 7	.1	32± 17	1.2
5-6	"		16± 7	.1	Bg	
6-7	"		Bg		"	
7-8	"		"		"	
	<u>19</u>		<u>20</u>			
0-1	1720± 72	80.1	1720±72	80.7		
1-2	223± 26	10.4	199±17	9.3		
2-3	64± 14	3.0	80±10	3.8		
3-4	80± 15	3.7	48± 8	2.3		
4-5	24± 11	1.1	32± 8	1.5		
5-6	Bg		16± 7	.8		
6-7	32± 15	1.5	24± 7	1.1		
7-8	Bg		16± 7	.8		

\*Determinations made with an Anton end-window tube. Corrections for counting efficiency and self absorption based on K<sup>40</sup>. Errors given are 0.95 counting error.

-KABELLE ISLAND-

PLOT NO.	4			5			6		
	Depth in inches	d/m/gr dry	per cent	d/m/gr dry	per cent	d/m/gr dry	per cent		
0-1	8660	± 344	77.7	5570	± 224	65.2	12,100	± 480	93.0
	788	± 34	7.1	1310	± 56	15.3	366	± 19	2.8
	517	± 25	4.6	693	± 32	8.1	230	± 14	1.8
	517	± 26	4.6	637	± 30	7.5	159	± 11	1.2
	247	± 40	2.2	103	± 10	1.2	64	± 8	.5
	255	± 40	2.3	159	± 11	1.9	72	± 8	.6
	167	± 31	1.5	72	± 8	.8	24	± 6	.2
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			7			12			13
0-1	2950	± 240	69.0	38,300	± 1120	91.0	9,380	± 256	75.1
1-2	604	± 56	14.1	2,740	± 160	6.5	1,860	± 76	15.0
	279	± 33	6.5	581	± 40	1.4	207	± 26	1.7
	199	± 26	4.7	191	± 17	.5	143	± 20	1.1
	135	± 20	3.2	135	± 14	.3	589	± 54	4.7
	103	± 18	2.4	64	± 10	.2	159	± 21	1.3
	103	± 18	2.4	48	± 9	.1	143	± 20	1.1
				48	± 10	.1			
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			14			15			16
0-1	12,300	± 344	85.4	5,420	± 136	56.5	4,590	± 176	19.3
	1,120	± 48	7.8	1,520	± 88	15.9	18,100	± 440	76.0
	287	± 22	2.0	1,140	± 72	11.9	549	± 36	2.3
	302	± 24	2.1	581	± 38	6.1	430	± 31	1.8
	167	± 16	1.2	223	± 18	2.3	175	± 16	.7
	95	± 11	.7	486	± 34	5.1			
	87	± 11	.6	215	± 18	2.2			
	48	± 10	.3						

-ENIAETOK-  
Gross Beta Activity

PLOT NO.	9			10			11		
	Depth in inches	d/m/gr dry	per cent	d/m/gr dry	per cent	d/m/gr dry	per cent		
0-1	2300	±96	67.8	2890	±80	87.5	4450	±176	93.3
	119	±10	3.5	191	±25	5.8	175	±16	3.7
	366	±37	10.8	143	±21	4.3	32	±9	.7
	80	±16	2.4	40	±13	1.2	40	±9	.8
	56	±14	1.7	Bg			24	±8	.5
	358	±37	10.6	40	±13	1.2	24	±8	.5
	111	±18	3.3	Bg			24	±8	.5
	Bg								