

Beta Activity in Soils Collected at Rongelap Island
August 1958, Counted with Anton Tube. Self Absorption
and Geometry Corrections Based on K⁴⁰.

*Note: This tabulation is only for those
samples collected at smaller than one inch increments.*

Pit No.

| Depth in inches | <u>1</u> | | <u>2</u> | | <u>8</u> | |
|-----------------------|--------------|-------------|--------------|-------------|--------------|-------------|
| | d/m/g dry | Per cent | d/m/g dry | Per cent | d/m/g dry | Per cent |
| 0-1/4 | 3971 | 43 | 4750 | 37.7 | 1558 | 56.5 |
| 1/4-1/2 | 2736 | 29.5 | 4712 | 37.4 | 399 | 14.5 |
| 1/2-3/4 | 1710 | 18.5 | 1710 | 13.6 | 361 | 13.1 |
| 3/4-1 | 532 | 6 | 855 | 6.7 | 266 | 9.7 |
| 1-1 1/4 | 285 | 3 | 570 | 5.6 | 171 | 6.2 |

| <u>22</u> | | | <u>22 Dup.</u> | | <u>23</u> | |
|-----------|------|------|----------------|------|-----------|------|
| 0-1/4 | 4427 | 53 | 6042 | 41 | 8759 | 52.4 |
| 1/4-1/2 | 1900 | 22.7 | 3971 | 27 | 4142 | 24.8 |
| 1/2-3/4 | 950 | 11.5 | 2033 | 13.8 | 2793 | 16.7 |
| 3/4-1 | 608 | 7.3 | 1862 | 12.6 | | |
| 1-1 1/4 | 456 | 5.5 | 817 | 5.5 | 1026 | 6 |

| <u>26</u> | | | <u>29</u> | | <u>29 Dup.</u> | |
|-----------|------|------|-----------|------|----------------|-----|
| 0-1/4 | 1634 | 50.8 | 0-1 | 931 | 22 | 760 |
| 1/4-1/2 | 741 | 23 | 1-2 | 760 | 18 | 779 |
| 1/2-3/4 | 361 | 11 | 2-3 | 608 | 14.5 | 627 |
| 3/4-1 | 304 | 9.5 | 3-4 | 741 | 17.6 | 570 |
| 1-1 1/4 | 171 | 5.3 | 4-5 | 1159 | 27.6 | 551 |

| <u>Site XI</u> | | |
|----------------|------|------|
| 0-1/4 | 2888 | 31.6 |
| 1/4-1/2 | 2622 | 28.6 |
| 1/2-3/4 | 1520 | 16.6 |
| 3/4-1 | 1198 | 13 |
| 1-1 1/4 | 931 | 10 |

Composite
1577

NMB I

Beta Activity in Soils Collected at Kabelle Island
 August 1958 Counted with Anton Tube. Self absorption
 and Geometry Corrections Based on K⁴⁰.

| <u>Pit No.</u> | <u>4</u> | | <u>5</u> | | <u>6</u> | | | |
|-----------------------|--------------|-------------|--------------|------------------|--------------|-------------|-------|------|
| Depth in inches | d/m/g dry | Per cent | d/m/g dry | Per cent | d/m/g dry | Per cent | | |
| 0-1/4 | 11343 | 9.9 | 0-1/8 | 5377 | 14.3 | 0-1/4 | 21793 | 32 |
| 1/4-3/8 | 15789 | 13.7 | 1/8-1/4 | 7182 | 19.2 | 1/4-1/2 | 32452 | 47.5 |
| 3/8-1/2 | 23750 | 20.6 | 1/4-3/8 | 8892 | 23.8 | 1/2-3/4 | 11951 | 17.5 |
| 1/2-5/8 | 30571 | 26.5 | 3/8-1/2 | 8759 | 23.5 | 3/4-1 | 2014 | 3 |
| 5/8-3/4 | 16315 | 14.6 | 1/2-5/8 | 7049 | 19.8 | | | |
| 3/4-7/8 | 12122 | 10.5 | | | | | | |
| 7/8-1 | 4750 | 4.1 | | | | | | |
| | <u>12</u> | | | <u>Composite</u> | | | | |
| 0-1/4 | 9462 | 8.2 | | 9367 | | | | |
| 1/4-1/2 | 16948 | 14.6 | | | | | | |
| 1/2-3/4 | 35549 | 30.6 | | | | | | |
| 3/4-1 | 38475 | 33.1 | | | | | | |
| 1-1-1/4 | 15694 | 13.5 | | | | | | |

5002257

Beta Activity in Soils Collected at Eniaetok Island
August 1958, Counted with Anton Tube. Self Absorp-
tion and Geometry Corrections Based on K⁴⁰.

| <u>Pit No.</u> | <u>27</u> | <u>Composite</u> | |
|-----------------------|--------------|------------------|--------------|
| Depth in inches | d/m/g dry | Per cent | d/m/g dry |
| 0-1/4 | 4997 | 41.7 | 2679 |
| 1/4-1/2 | 4788 | 40 | |
| 1/2-3/4 | 2204 | 18.3 | |