Supplemental Table 1. List of features used to compare to Russo’s (2006) compilation of known rings. Feature ID’s (FID) correspond to the assigned number for each feature as it was identified by the algorithm described above. Geographic locations are shown in Figure 2.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Ring ID** | **Water Distance (m)** | **Max Diameter (m)** | **Min Diameter****(m)** | **Plaza Diameter (m)** | **Elevation (m)** | **Arc Height (m)** | **Shell Volume (m3)** | **Compactness Ratio (m3/m2)** |
| 1 | 912.25 | 39 | 27 | 20 | 2.74 | 2 | 5393.71 | 0.94 |
| 2 | 1163.79 | 42 | 39 | 24 | 6.97 | 2 | 1478.97 | 0.62 |
| 3 | 872.50 | 25 | 17 | 13 | 5.14 | 1 | 629.30 | 0.51 |
| 4 | 200.67 | 40 | 25 | 8 | 0.83 | 2 | 245.93 | 0.23 |
| 5 | 306.33 | 21 | 18 | 14 | 3.54 | 1 | 764.42 | 0.37 |
| 6 | 2110.81 | 34 | 27 | 12 | 5.63 | 4 | 917.49 | 0.59 |
| 7 | 772.87 | 47 | 32 | 37 | 4.45 | 1 | 1249.58 | 0.51 |
| 8 | 2433.49 | 45 | 35 | - | 7.66 | 3 | 1715.35 | 0.77 |
| 9 | 587.82 | 44 | 34 | 17 | 2.79 | 2 | 882.78 | 0.45 |
| 10 | 879.42 | 23 | 19 | 13 | 1.88 | 1 | 293.85 | 0.29 |
| 11 | 523.52 | 59 | 47 | 38 | 2.15 | 2 | 1883.64 | 0.41 |
| 12 | 709.92 | 36 | 25 | 18 | 4.90 | 3 | 965.65 | 0.51 |
| 13 | 898.19 | 22 | 21 | 16 | 6.53 | 2 | 489.79 | 0.46 |
| 14 | 860.24 | 32 | 27 | 16 | 6.24 | 2 | 1778.23 | 0.85 |
| 15 | 263.58 | 22 | 17 | - | 6.51 | 3 | 415.78 | 0.55 |
| 16 | 66.50 | 30 | 28 | 11 | 6.26 | 2 | 703.98 | 0.37 |
| 17 | 3733.57 | 40 | 36 | 25 | 1.60 | 1 | 1267.41 | 0.55 |
| 18 | 2828.13 | 69 | 32 | 34 | 4.43 | 5 | 6027.93 | 2.39 |
| 19 | 949.92 | 42 | 35 | 19 | 5.50 | 1 | 746.48 | 0.43 |
| 20 | 1628.93 | 30 | 24 | 17 | 6.35 | 2 | 503.93 | 0.35 |
| 21 | 1106.55 | 34 | 29 | 20 | 6.80 | 2 | 310.21 | 0.32 |
| 22 | 624.84 | 43 | 38 | 26 | 6.45 | 3 | 1118.61 | 0.47 |
| 23 | 1295.09 | 36 | 23 | 16 | 10.00 | 3 | 828.79 | 0.65 |
| 24 | 82.44 | 26 | 22 | 14 | 0.40 | 2 | 364.62 | 0.36 |
| 25 | 616.05 | 34 | 28 | 18 | 4.61 | 1 | 444.57 | 0.27 |
| 26 | 818.77 | 25 | 18 | 9 | 11.31 | 2 | 1683.97 | 1.21 |
| 27 | 509.62 | 54 | 43 | 26 | 10.23 | 2 | 1801.33 | 0.63 |
| 28 | 320.58 | 27 | 19 | 0 | 9.38 | 3 | 473.36 | 0.57 |
| 29 | 417.22 | 44 | 33 | 18 | 9.12 | 7 | 4935.28 | 1.88 |
| 30 | 671.73 | 25 | 22 | - | 12.20 | 2 | 429.41 | 0.42 |
| 31 | 744.25 | 20 | 16 | 7 | 6.48 | 2 | 336.27 | 0.38 |
| 32 | 1195.77 | 24 | 22 | 12 | 3.95 | 3 | 297.32 | 0.38 |
| 33 | 573.90 | 22 | 20 | 9 | 1.10 | 1 | 182.66 | 0.23 |
| 34 | 595.19 | 35 | 29 | 23 | 5.75 | 3 | 1574.74 | 0.75 |
| 35 | 893.87 | 57 | 45 | 27 | 1.10 | 6 | 6050.50 | 1.32 |
| 36 | 421.99 | 30 | 27 | 11 | 1.21 | 1 | 371.22 | 0.28 |
| 37 | 231.24 | 30 | 27 | - | 5.25 | 1 | 329.32 | 0.27 |
| 38 | 246.49 | 29 | 24 | 9 | 0.71 | 1 | 256.38 | 0.36 |
| 39 | 1080.64 | 46 | 38 | 25 | 3.34 | 2 | 2185.47 | 0.44 |
| 40 | 4372.01 | 42 | 26 | 22 | 0.60 | 1 | 645.29 | 0.24 |
| 41 | 0.00 | 41 | 31 | 20 | 0.98 | 3 | 893.71 | 0.64 |
| 42 | 249.36 | 31 | 22 | 9 | 1.41 | 3 | 1092.23 | 0.65 |
| 43 | 8.52 | 20 | 20 | 11 | 0.89 | 1 | 443.15 | 0.91 |
| 44 | 156.15 | 30 | 25 | 12 | 1.09 | 1 | 895.85 | 0.31 |

*Note: Some features presented difficulties in measuring their plaza’s accurately. As such, these features plaza measurements are left blank and are not used for any calculations or comparisons to known rings.*