

| Sample       | Distance $\mu\text{m}$        | Distance Norm                 | Mineral | Ba $\mu\text{g/g}$ | Sr $\mu\text{g/g}$      | CaO wt.% | MgO wt.% | Na <sub>2</sub> O wt.% |
|--------------|-------------------------------|-------------------------------|---------|--------------------|-------------------------|----------|----------|------------------------|
| <b>Mal-8</b> | <i>Hippopotamus amphibius</i> | Modern Lake Malawi, Senga Bay |         | Molar M3           | Buy, Safari Beach Lodge |          |          |                        |
| Mal-8-1AB-01 | 75                            | 0.021                         | Cement  | 88                 | 332                     | 57.40    | 1.26     | 1.32                   |
| Mal-8-1AB-02 | 224                           | 0.063                         | Enamel  | 48                 | 348                     | 54.33    | 0.60     | 1.08                   |
| Mal-8-1AB-03 | 373                           | 0.104                         | Enamel  | 52                 | 383                     | 54.46    | 0.44     | 0.94                   |
| Mal-8-1AB-04 | 522                           | 0.146                         | Enamel  | 115                | 379                     | 55.14    | 0.57     | 1.05                   |
| Mal-8-1AB-05 | 671                           | 0.188                         | Enamel  | 79                 | 360                     | 54.59    | 0.72     | 1.05                   |
| Mal-8-1AB-06 | 820                           | 0.229                         | Enamel  | 46                 | 351                     | 54.00    | 0.87     | 0.95                   |
| Mal-8-1AB-07 | 969                           | 0.271                         | Enamel  | 44                 | 361                     | 54.38    | 0.69     | 0.97                   |
| Mal-8-1AB-08 | 1118                          | 0.313                         | Enamel  | 51                 | 362                     | 55.02    | 0.41     | 0.97                   |
| Mal-8-1AB-09 | 1267                          | 0.354                         | Crack   | 44                 | 364                     | 55.07    | 0.43     | 1.15                   |
| Mal-8-1AB-10 | 1416                          | 0.396                         | Enamel  | 40                 | 371                     | 54.86    | 0.53     | 1.05                   |
| Mal-8-1AB-11 | 1565                          | 0.438                         | Enamel  | 40                 | 385                     | 54.65    | 0.55     | 0.98                   |
| Mal-8-1AB-12 | 1714                          | 0.479                         | Enamel  | 44                 | 396                     | 55.02    | 0.43     | 1.09                   |
| Mal-8-1AB-13 | 1863                          | 0.521                         | Enamel  | 48                 | 416                     | 54.87    | 0.45     | 1.10                   |
| Mal-8-1AB-14 | 2012                          | 0.563                         | Enamel  | 48                 | 411                     | 55.13    | 0.49     | 1.18                   |
| Mal-8-1AB-15 | 2161                          | 0.604                         | Enamel  | 49                 | 425                     | 54.88    | 0.43     | 1.19                   |
| Mal-8-1AB-16 | 2310                          | 0.646                         | Enamel  | 51                 | 426                     | 54.89    | 0.50     | 1.15                   |
| Mal-8-1AB-17 | 2459                          | 0.688                         | Enamel  | 57                 | 462                     | 54.94    | 0.43     | 1.18                   |
| Mal-8-1AB-18 | 2608                          | 0.730                         | Enamel  | 59                 | 453                     | 55.14    | 0.42     | 1.21                   |
| Mal-8-1AB-19 | 2757                          | 0.771                         | Enamel  | 66                 | 484                     | 55.08    | 0.40     | 1.14                   |
| Mal-8-1AB-20 | 2906                          | 0.813                         | Enamel  | 69                 | 475                     | 55.79    | 0.39     | 1.35                   |
| Mal-8-1AB-21 | 3055                          | 0.855                         | Enamel  | 75                 | 491                     | 54.23    | 0.44     | 1.40                   |
| Mal-8-1AB-22 | 3204                          | 0.896                         | Enamel  | 80                 | 507                     | 54.73    | 0.42     | 1.44                   |
| Mal-8-1AB-23 | 3353                          | 0.938                         | Enamel  | 84                 | 528                     | 53.92    | 0.46     | 1.35                   |
| Mal-8-1AB-24 | 3502                          | 0.980                         | Enamel  | 87                 | 527                     | 54.80    | 0.46     | 1.45                   |
| Mal-8-1AB-25 | 3651                          | 1.021                         | dentin  | 90                 | 500                     | 55.38    | 1.18     | 1.33                   |
| Mal-8-1AB-26 | 3800                          | 1.063                         | dentin  | 100                | 477                     | 53.97    | 2.74     | 1.41                   |
| Mal-8-1AB-27 | 3949                          | 1.105                         | dentin  | 121                | 470                     | 53.20    | 2.68     | 1.41                   |
| Mal-8-1AB-28 | 4098                          | 1.146                         | dentin  | 126                | 464                     | 51.77    | 2.76     | 1.36                   |
| Mal-8-1CD-01 | 75                            | 0.015                         | Cement  | 273                | 447                     | 55.63    | 1.34     | 0.89                   |
| Mal-8-1CD-02 | 282                           | 0.057                         | Cement  | 259                | 457                     | 56.49    | 1.42     | 1.14                   |
| Mal-8-1CD-03 | 489                           | 0.099                         | Enamel  | 104                | 357                     | 55.13    | 0.36     | 0.76                   |
| Mal-8-1CD-04 | 696                           | 0.141                         | Enamel  | 36                 | 320                     | 54.53    | 0.28     | 0.71                   |
| Mal-8-1CD-05 | 903                           | 0.183                         | Enamel  | 37                 | 341                     | 55.15    | 0.29     | 0.74                   |
| Mal-8-1CD-06 | 1110                          | 0.225                         | Enamel  | 35                 | 357                     | 55.38    | 0.27     | 0.86                   |
| Mal-8-1CD-07 | 1317                          | 0.267                         | Enamel  | 36                 | 369                     | 55.13    | 0.28     | 0.81                   |
| Mal-8-1CD-08 | 1524                          | 0.309                         | Enamel  | 38                 | 368                     | 55.06    | 0.31     | 0.89                   |
| Mal-8-1CD-09 | 1731                          | 0.350                         | Enamel  | 44                 | 387                     | 55.01    | 0.31     | 0.99                   |
| Mal-8-1CD-10 | 1938                          | 0.392                         | Enamel  | 46                 | 409                     | 54.89    | 0.35     | 0.97                   |
| Mal-8-1CD-11 | 2145                          | 0.434                         | Enamel  | 49                 | 422                     | 54.56    | 0.33     | 0.95                   |
| Mal-8-1CD-12 | 2352                          | 0.476                         | Enamel  | 49                 | 426                     | 55.60    | 0.33     | 1.04                   |
| Mal-8-1CD-13 | 2559                          | 0.518                         | Enamel  | 49                 | 435                     | 54.03    | 0.36     | 1.11                   |

|              |      |       |        |     |     |       |      |      |
|--------------|------|-------|--------|-----|-----|-------|------|------|
| Mal-8-1CD-14 | 2766 | 0.560 | Enamel | 50  | 434 | 55.30 | 0.34 | 1.06 |
| Mal-8-1CD-15 | 2973 | 0.602 | Enamel | 55  | 453 | 55.00 | 0.37 | 1.15 |
| Mal-8-1CD-16 | 3180 | 0.644 | Enamel | 59  | 463 | 54.89 | 0.39 | 1.25 |
| Mal-8-1CD-17 | 3387 | 0.686 | Enamel | 60  | 465 | 55.02 | 0.37 | 1.21 |
| Mal-8-1CD-18 | 3594 | 0.728 | Enamel | 65  | 493 | 55.33 | 0.37 | 1.12 |
| Mal-8-1CD-19 | 3801 | 0.769 | Enamel | 72  | 506 | 54.72 | 0.37 | 1.19 |
| Mal-8-1CD-20 | 4008 | 0.811 | Enamel | 78  | 522 | 54.47 | 0.41 | 1.32 |
| Mal-8-1CD-21 | 4215 | 0.853 | Enamel | 76  | 510 | 52.60 | 0.43 | 1.20 |
| Mal-8-1CD-23 | 4629 | 0.937 | Enamel | 86  | 537 | 53.44 | 0.45 | 1.37 |
| Mal-8-1CD-24 | 4836 | 0.979 | Enamel | 85  | 538 | 53.44 | 0.47 | 1.41 |
| Mal-8-1CD-25 | 5043 | 1.021 | Dentin | 79  | 500 | 54.95 | 0.81 | 1.28 |
| Mal-8-1CD-26 | 5250 | 1.063 | Dentin | 83  | 494 | 54.81 | 1.74 | 1.20 |
| Mal-8-1CD-27 | 5457 | 1.105 | Dentin | 87  | 481 | 53.08 | 2.45 | 1.44 |
| Mal-8-1CD-28 | 5664 | 1.147 | Dentin | 117 | 479 | 54.19 | 2.50 | 1.17 |
| Mal-8-1CD-29 | 5871 | 1.188 | Dentin | 132 | 478 | 51.99 | 2.42 | 1.42 |
| Mal-8-1CD-30 | 6078 | 1.230 | Dentin | 143 | 498 | 53.57 | 2.62 | 1.47 |
| Mal-8-1EF-01 | 60   | 0.023 | Cement | 380 | 482 | 54.86 | 1.23 | 1.06 |
| Mal-8-1EF-02 | 180  | 0.068 | Cement | 322 | 454 | 55.60 | 1.11 | 1.10 |
| Mal-8-1EF-03 | 300  | 0.114 | Enamel | 314 | 520 | 53.85 | 0.31 | 0.73 |
| Mal-8-1EF-04 | 420  | 0.159 | Enamel | 63  | 323 | 54.57 | 0.33 | 0.86 |
| Mal-8-1EF-05 | 540  | 0.205 | Enamel | 41  | 319 | 54.07 | 0.35 | 0.99 |
| Mal-8-1EF-06 | 660  | 0.250 | Enamel | 40  | 315 | 53.91 | 0.42 | 0.82 |
| Mal-8-1EF-07 | 780  | 0.295 | Enamel | 38  | 327 | 53.77 | 0.39 | 0.81 |
| Mal-8-1EF-08 | 900  | 0.341 | Enamel | 42  | 344 | 54.20 | 0.44 | 0.98 |
| Mal-8-1EF-09 | 1020 | 0.386 | Enamel | 45  | 365 | 54.38 | 0.39 | 1.13 |
| Mal-8-1EF-10 | 1140 | 0.432 | Enamel | 52  | 376 | 54.62 | 0.42 | 1.12 |
| Mal-8-1EF-11 | 1260 | 0.477 | Enamel | 56  | 387 | 54.20 | 0.43 | 1.13 |
| Mal-8-1EF-12 | 1380 | 0.523 | Enamel | 57  | 396 | 54.41 | 0.41 | 1.11 |
| Mal-8-1EF-13 | 1500 | 0.568 | Enamel | 61  | 414 | 53.82 | 0.41 | 1.17 |
| Mal-8-1EF-14 | 1620 | 0.614 | Enamel | 61  | 419 | 54.59 | 0.41 | 1.17 |
| Mal-8-1EF-15 | 1740 | 0.659 | Enamel | 66  | 435 | 54.95 | 0.42 | 1.29 |
| Mal-8-1EF-16 | 1860 | 0.705 | Enamel | 69  | 447 | 54.85 | 0.45 | 1.34 |
| Mal-8-1EF-17 | 1980 | 0.750 | Enamel | 69  | 457 | 54.16 | 0.39 | 1.13 |
| Mal-8-1EF-18 | 2100 | 0.795 | Enamel | 70  | 457 | 54.66 | 0.44 | 1.35 |
| Mal-8-1EF-19 | 2220 | 0.841 | Enamel | 77  | 482 | 54.72 | 0.40 | 1.29 |
| Mal-8-1EF-20 | 2340 | 0.886 | Enamel | 77  | 478 | 53.89 | 0.44 | 1.43 |
| Mal-8-1EF-21 | 2460 | 0.932 | Enamel | 75  | 485 | 55.00 | 0.48 | 1.45 |
| Mal-8-1EF-22 | 2580 | 0.977 | Enamel | 81  | 503 | 54.24 | 0.43 | 1.53 |
| Mal-8-1EF-23 | 2700 | 1.023 | Dentin | 73  | 419 | 51.04 | 2.25 | 1.37 |
| Mal-8-1EF-24 | 2820 | 1.068 | Dentin | 97  | 403 | 52.80 | 2.46 | 1.42 |
| Mal-8-1EF-25 | 2940 | 1.114 | Dentin | 119 | 400 | 53.57 | 2.88 | 1.49 |
| Mal-8-1EF-26 | 3060 | 1.159 | Dentin | 123 | 379 | 53.53 | 2.91 | 1.38 |
| Mal-8-1EF-27 | 3180 | 1.205 | Dentin | 129 | 377 | 51.49 | 3.02 | 1.32 |
| Mal-8-1EF-28 | 3300 | 1.250 | Dentin | 152 | 380 | 50.90 | 3.15 | 1.47 |
| Mal-8-1EF-29 | 3420 | 1.295 | Dentin | 174 | 390 | 51.35 | 2.75 | 1.44 |

|                   |       |       |        |     |     |       |      |      |
|-------------------|-------|-------|--------|-----|-----|-------|------|------|
| Mal-8 L-01        | 100   | 0.410 | Enamel | 78  | 530 | 54.30 | 0.59 | 1.45 |
| Mal-8 L-02        | 600   | 0.410 | Enamel | 79  | 528 | 54.01 | 0.55 | 1.55 |
| Mal-8 L-03        | 1100  | 0.410 | Enamel | 82  | 534 | 53.75 | 0.58 | 1.49 |
| Mal-8 L-04        | 1600  | 0.410 | Enamel | 81  | 533 | 54.20 | 0.56 | 1.52 |
| Mal-8 L-05        | 2100  | 0.410 | Enamel | 79  | 524 | 54.16 | 0.56 | 1.51 |
| Mal-8 L-06        | 2600  | 0.410 | Enamel | 84  | 545 | 53.99 | 0.51 | 1.48 |
| Mal-8 L-07        | 3100  | 0.410 | Enamel | 77  | 518 | 53.88 | 0.53 | 1.53 |
| Mal-8 L-08        | 3600  | 0.410 | Enamel | 82  | 528 | 54.90 | 0.50 | 1.37 |
| Mal-8 L-09        | 4100  | 0.410 | Enamel | 74  | 500 | 54.40 | 0.48 | 1.31 |
| Mal-8 L-10        | 4600  | 0.410 | Enamel | 70  | 498 | 54.59 | 0.51 | 1.44 |
| Mal-8 L-11        | 5100  | 0.410 | Enamel | 72  | 498 | 54.55 | 0.45 | 1.30 |
| Mal-8 L-12        | 5600  | 0.410 | Enamel | 71  | 492 | 54.53 | 0.40 | 1.18 |
| Mal-8 L-13        | 6100  | 0.410 | Enamel | 74  | 494 | 54.70 | 0.42 | 1.27 |
| Mal-8 L-14        | 6600  | 0.410 | Enamel | 71  | 497 | 54.76 | 0.42 | 1.27 |
| Mal-8 L-15        | 7100  | 0.410 | Enamel | 73  | 496 | 54.79 | 0.48 | 1.50 |
| Mal-8 L-16        | 7600  | 0.410 | Enamel | 76  | 504 | 54.66 | 0.50 | 1.34 |
| Mal-8 L-17        | 8100  | 0.410 | Enamel | 73  | 487 | 54.49 | 0.43 | 1.34 |
| Mal-8 L-18        | 8600  | 0.410 | Enamel | 77  | 490 | 52.88 | 0.48 | 1.45 |
| Mal-8 L-19        | 9100  | 0.410 | Enamel | 79  | 516 | 54.59 | 0.53 | 1.31 |
| Mal-8 L-20        | 9600  | 0.410 | Enamel | 79  | 503 | 54.90 | 0.48 | 1.40 |
| Mal-8 L-21        | 10100 | 0.410 | Enamel | 81  | 509 | 54.54 | 0.51 | 1.40 |
| Mal-8 L-22        | 10600 | 0.410 | Enamel | 76  | 505 | 54.17 | 0.47 | 1.29 |
| Mal-8 L-23        | 11100 | 0.410 | Enamel | 83  | 516 | 54.89 | 0.44 | 1.36 |
| Mal-8 L-24        | 11600 | 0.410 | Enamel | 84  | 515 | 54.77 | 0.43 | 1.26 |
| Mal-8 L-25        | 12100 | 0.410 | Enamel | 80  | 518 | 54.54 | 0.45 | 1.30 |
| Mal-8 L-26        | 12600 | 0.410 | Enamel | 81  | 517 | 54.30 | 0.45 | 1.24 |
| Mal-8 L-27        | 13100 | 0.410 | Enamel | 79  | 514 | 53.58 | 0.46 | 1.40 |
| Mal-8 L-28        | 13600 | 0.410 | Enamel | 77  | 509 | 54.57 | 0.52 | 1.44 |
| Mal-8 L-29        | 14100 | 0.410 | Enamel | 79  | 509 | 54.11 | 0.43 | 1.34 |
| Mal-8 L-30        | 14600 | 0.410 | Enamel | 80  | 534 | 54.74 | 0.45 | 1.31 |
| Mal-8 L-31        | 15100 | 0.410 | Enamel | 81  | 524 | 54.77 | 0.43 | 1.42 |
| Mal-8 L-32        | 15600 | 0.410 | Enamel | 83  | 538 | 53.77 | 0.47 | 1.35 |
| Mal-8 L-33        | 16100 | 0.410 | Enamel | 82  | 542 | 54.37 | 0.46 | 1.33 |
| Mal-8 L-34        | 16600 | 0.410 | Enamel | 83  | 531 | 54.43 | 0.44 | 1.32 |
| Mal-8 L-35        | 17100 | 0.410 | Enamel | 83  | 532 | 53.29 | 0.49 | 1.32 |
| Mal-8 L-36        | 17600 | 0.410 | Enamel | 82  | 536 | 54.44 | 0.47 | 1.28 |
| Mal-8 L-37        | 18100 | 0.421 | Enamel | 86  | 539 | 54.03 | 0.49 | 1.30 |
| Mal-8 L-38        | 18600 | 0.433 | Enamel | 86  | 543 | 54.84 | 0.40 | 1.36 |
| Mal-8 L-39        | 19100 | 0.444 | Enamel | 85  | 551 | 54.82 | 0.45 | 1.20 |
| Mal-8 L-40        | 19600 | 0.456 | Enamel | 85  | 538 | 54.78 | 0.46 | 1.41 |
| Mal-8 L-41        | 20100 | 0.467 | Enamel | 87  | 545 | 54.07 | 0.43 | 1.37 |
| Mal-8 L-42        | 20600 | 0.479 | Enamel | 89  | 553 | 54.78 | 0.46 | 1.41 |
| Mal-8 L-43        | 21100 | 0.491 | Enamel | 89  | 552 | 54.07 | 0.43 | 1.37 |
| Line 1 Mal8,1B MN | 21000 | 0.488 | Enamel | 147 | 733 | 53.74 | 0.58 | 1.78 |
| Line 2 Mal8,1B MN | 21500 | 0.500 | Enamel | 190 | 945 | 54.88 | 0.38 | 1.41 |
| Line 3 Mal8,1B MN | 22000 | 0.512 | Enamel | 189 | 981 | 54.48 | 0.44 | 1.36 |

|                    |       |       |        |     |      |       |      |      |
|--------------------|-------|-------|--------|-----|------|-------|------|------|
| Line 4 Mal8,1B MN  | 22500 | 0.523 | Enamel | 179 | 952  | 54.60 | 0.45 | 1.48 |
| Line 5 Mal8,1B MN  | 23000 | 0.535 | Enamel | 172 | 915  | 54.01 | 0.40 | 1.32 |
| Line 6 Mal8,1B MN  | 23501 | 0.547 | Enamel | 179 | 931  | 54.61 | 0.40 | 1.31 |
| Line 7 Mal8,1B MN  | 24000 | 0.558 | Enamel | 180 | 933  | 54.80 | 0.37 | 1.27 |
| Line 8 Mal8,1B MN  | 24500 | 0.570 | Enamel | 173 | 918  | 54.38 | 0.39 | 1.32 |
| Line 9 Mal8,1B MN  | 25000 | 0.581 | Enamel | 175 | 932  | 54.58 | 0.40 | 1.32 |
| Line 10 Mal8,1B MN | 25500 | 0.593 | Enamel | 180 | 916  | 53.81 | 0.41 | 1.21 |
| Line 11 Mal8,1B MN | 26000 | 0.605 | Enamel | 173 | 912  | 53.98 | 0.38 | 1.16 |
| Line 1 Mal8,1B OP  | 26500 | 0.616 | Enamel | 180 | 910  | 54.34 | 0.44 | 1.31 |
| Line 2 Mal8,1B OP  | 27000 | 0.628 | Enamel | 188 | 931  | 54.53 | 0.41 | 1.33 |
| Line 3 Mal8,1B OP  | 27500 | 0.640 | Enamel | 178 | 897  | 54.44 | 0.38 | 1.21 |
| Line 4 Mal8,1B OP  | 28000 | 0.651 | Enamel | 175 | 912  | 53.84 | 0.42 | 1.33 |
| Line 5 Mal8,1B OP  | 28500 | 0.663 | Enamel | 168 | 884  | 54.32 | 0.45 | 1.38 |
| Line 6 Mal8,1B OP  | 29000 | 0.674 | Enamel | 156 | 870  | 53.94 | 0.44 | 1.32 |
| Line 7 Mal8,1B OP  | 29500 | 0.686 | Enamel | 155 | 857  | 55.27 | 0.41 | 1.35 |
| Line 8 Mal8,1B OP  | 30000 | 0.698 | Enamel | 165 | 896  | 54.55 | 0.41 | 1.46 |
| Line 9 Mal8,1B OP  | 30500 | 0.709 | Enamel | 159 | 905  | 54.08 | 0.39 | 1.29 |
| Line 10 Mal8,1B OP | 31000 | 0.721 | Enamel | 170 | 891  | 53.41 | 0.36 | 1.38 |
| Line 1 Mal8,1B QR  | 31500 | 0.733 | Enamel | 190 | 918  | 54.07 | 0.35 | 1.33 |
| Line 2 Mal8,1B QR  | 32000 | 0.744 | Enamel | 173 | 909  | 52.93 | 0.40 | 1.33 |
| Line 3 Mal8,1B QR  | 32500 | 0.756 | Enamel | 196 | 929  | 52.87 | 0.43 | 1.38 |
| Line 4 Mal8,1B QR  | 33000 | 0.767 | Enamel | 210 | 941  | 53.68 | 0.44 | 1.34 |
| Line 5 Mal8,1B QR  | 33500 | 0.779 | Enamel | 226 | 951  | 53.79 | 0.49 | 1.51 |
| Line 6 Mal8,1B QR  | 34000 | 0.791 | Enamel | 226 | 944  | 53.58 | 0.39 | 1.41 |
| Line 7 Mal8,1B QR  | 34500 | 0.802 | Enamel | 237 | 963  | 53.62 | 0.41 | 1.37 |
| Line 8 Mal8,1B QR  | 35000 | 0.814 | Enamel | 244 | 1030 | 54.10 | 0.36 | 1.44 |
| Line 9 Mal8,1B QR  | 35500 | 0.826 | Enamel | 206 | 992  | 53.80 | 0.40 | 1.44 |
| Line 10 Mal8,1B QR | 36000 | 0.837 | Enamel | 202 | 955  | 53.91 | 0.39 | 1.46 |
| Line 11 Mal8,1B QR | 36500 | 0.849 | Enamel | 186 | 928  | 54.21 | 0.42 | 1.36 |
| Line 12 Mal8,1B QR | 37000 | 0.860 | Enamel | 188 | 921  | 53.79 | 0.42 | 1.15 |
| Line 13 Mal8,1B QR | 37500 | 0.872 | Enamel | 186 | 904  | 54.20 | 0.42 | 1.43 |
| Line 1 Mal8,1B ST  | 38000 | 0.884 | Enamel | 176 | 861  | 54.39 | 0.44 | 1.25 |
| Line 2 Mal8,1B ST  | 38500 | 0.895 | Enamel | 190 | 858  | 53.18 | 0.46 | 1.32 |
| Line 3 Mal8,1B ST  | 39000 | 0.907 | Enamel | 191 | 865  | 53.99 | 0.40 | 1.34 |
| Line 4 Mal8,1B ST  | 39500 | 0.919 | Enamel | 206 | 890  | 54.25 | 0.39 | 1.43 |
| Line 5 Mal8,1B ST  | 40000 | 0.930 | Enamel | 175 | 886  | 53.71 | 0.42 | 1.28 |
| Line 6 Mal8,1B ST  | 40500 | 0.942 | Enamel | 158 | 855  | 54.21 | 0.40 | 1.25 |
| Line 7 Mal8,1B ST  | 41000 | 0.953 | Enamel | 164 | 871  | 54.30 | 0.39 | 1.31 |
| Line 8 Mal8,1B ST  | 41500 | 0.965 | Enamel | 160 | 871  | 54.33 | 0.38 | 1.45 |
| Line 9 Mal8,1B ST  | 42000 | 0.977 | Enamel | 158 | 875  | 55.24 | 0.43 | 1.49 |
| Line 10 Mal8,1B ST | 42500 | 0.988 | Cement | 130 | 712  | 52.56 | 1.15 | 1.14 |

| Sample        | Distance $\mu\text{m}$  | Distance Norm  | Mineral | Ba $\mu\text{g/g}$                                     | Sr $\mu\text{g/g}$ | CaO wt.% | MgO wt.% | Na <sub>2</sub> O wt.% |
|---------------|-------------------------|--|---------|--|--------------------|----------|----------|------------------------|
| <i>Mal167</i> | <i>Hippopotamus sp.</i> | <i>Fossil Malawi, Chiwondo Bed, Unit 3, 2- Premolar 1.5 Ma</i> |         | <i>Collection of the Senckenberg Museum, Frankfurt</i> |                    |          |          |                        |
| Mal167-2CD-I  | 50                      | 0.018  | Enamel  | 360  | 672                | 53.00    | 0.22     | 0.66                   |
| Mal167-2CD-I  | 107                     | 0.039  | Enamel  | 1960   | 1065               | 54.37    | 0.23     | 0.62                   |
| Mal167-2CD-I  | 214                     | 0.078  | Enamel  | 290  | 714                | 54.83    | 0.24     | 0.72                   |
| Mal167-2CD-I  | 321                     | 0.118  | Enamel  | 338  | 786                | 54.78    | 0.27     | 0.72                   |
| Mal167-2CD-I  | 428                     | 0.157  | Enamel  | 361  | 799                | 54.98    | 0.30     | 0.67                   |
| Mal167-2CD-I  | 535                     | 0.196  | Enamel  | 385  | 806                | 55.19    | 0.28     | 0.71                   |
| Mal167-2CD-I  | 642                     | 0.235  | Enamel  | 380  | 768                | 54.91    | 0.26     | 0.68                   |
| Mal167-2CD-I  | 749                     | 0.274  | Enamel  | 389  | 807                | 54.73    | 0.25     | 0.79                   |
| Mal167-2CD-I  | 856                     | 0.314  | Enamel  | 409  | 841                | 55.23    | 0.22     | 0.78                   |
| Mal167-2CD-I  | 963                     | 0.353  | Enamel  | 460  | 890                | 55.23    | 0.25     | 0.80                   |
| Mal167-2CD-I  | 1070                    | 0.392  | Enamel  | 492  | 920                | 54.92    | 0.23     | 0.82                   |
| Mal167-2CD-I  | 1177                    | 0.431  | Enamel  | 503  | 931                | 54.80    | 0.26     | 0.79                   |
| Mal167-2CD-I  | 1284                    | 0.470  | Enamel  | 516  | 954                | 55.28    | 0.23     | 0.88                   |
| Mal167-2CD-I  | 1391                    | 0.510  | Enamel  | 510  | 936                | 54.74    | 0.28     | 0.93                   |
| Mal167-2CD-I  | 1498                    | 0.549  | Enamel  | 551  | 975                | 54.87    | 0.27     | 0.91                   |
| Mal167-2CD-I  | 1605                    | 0.588  | Enamel  | 575  | 994                | 55.17    | 0.25     | 1.01                   |
| Mal167-2CD-I  | 1712                    | 0.627  | Enamel  | 595  | 985                | 55.54    | 0.28     | 0.93                   |
| Mal167-2CD-I  | 1819                    | 0.666  | Enamel  | 577  | 979                | 55.00    | 0.28     | 1.01                   |
| Mal167-2CD-I  | 1926                    | 0.705  | Enamel  | 641  | 1030               | 55.56    | 0.29     | 1.06                   |
| Mal167-2CD-I  | 2033                    | 0.745  | Enamel  | 613  | 1009               | 55.11    | 0.30     | 1.12                   |
| Mal167-2CD-I  | 2140                    | 0.784  | Enamel  | 581  | 997                | 55.16    | 0.30     | 1.07                   |
| Mal167-2CD-I  | 2247                    | 0.823  | Enamel  | 566  | 1005               | 55.47    | 0.32     | 1.08                   |
| Mal167-2CD-I  | 2354                    | 0.862  | Enamel  | 530  | 954                | 54.96    | 0.36     | 1.15                   |
| Mal167-2CD-I  | 2461                    | 0.901  | Enamel  | 533  | 938                | 55.16    | 0.32     | 1.23                   |
| Mal167-2CD-I  | 2568                    | 0.941  | Enamel  | 527  | 923                | 54.80    | 0.35     | 1.34                   |
| Mal167-2CD-I  | 2675                    | 0.980  | Enamel  | 1954   | 868                | 54.89    | 0.37     | 1.47                   |
| Mal167-2CD-I  | 2782                    | 1.019  | Dentin  | 3427   | 758                | 58.16    | 0.13     | 0.53                   |
| Mal167-2CD-I  | 2889                    | 1.058  | Dentin  | 390  | 773                | 57.93    | 0.17     | 0.58                   |
| Mal167-2CD-I  | 2996                    | 1.097  | Dentin  | 824  | 843                | 57.32    | 0.12     | 0.58                   |
| Mal167-2CD-I  | 3103                    | 1.137  | Dentin  | 4380   | 913                | 57.50    | 0.14     | 0.56                   |
| Mal167-3EF-C  | 50                      | 0.021  | Enamel  | 299  | 589                | 56.43    | 0.18     | 0.57                   |
| Mal167-3EF-C  | 98                      | 0.041  | Enamel  | 317  | 620                | 55.53    | 0.33     | 0.93                   |
| Mal167-3EF-C  | 196                     | 0.082  | Enamel  | 372  | 776                | 54.83    | 0.27     | 0.74                   |
| Mal167-3EF-C  | 294                     | 0.123  | Enamel  | 387  | 801                | 55.04    | 0.26     | 0.67                   |
| Mal167-3EF-C  | 392                     | 0.163  | Enamel  | 425  | 811                | 55.19    | 0.27     | 0.79                   |
| Mal167-3EF-C  | 490                     | 0.204  | Enamel  | 494  | 841                | 54.98    | 0.28     | 0.73                   |
| Mal167-3EF-C  | 588                     | 0.245  | Enamel  | 579  | 873                | 55.15    | 0.24     | 0.84                   |
| Mal167-3EF-C  | 686                     | 0.286  | Enamel  | 605  | 876                | 55.06    | 0.26     | 0.82                   |
| Mal167-3EF-C  | 784                     | 0.327  | Enamel  | 592  | 880                | 54.97    | 0.27     | 0.84                   |
| Mal167-3EF-I  | 882                     | 0.368  | Enamel  | 508  | 902                | 54.76    | 0.25     | 0.90                   |

|              |      |       |        |      |      |       |      |      |
|--------------|------|-------|--------|------|------|-------|------|------|
| Mal167-3EF-1 | 980  | 0.408 | Enamel | 509  | 915  | 55.16 | 0.28 | 0.85 |
| Mal167-3EF-1 | 1078 | 0.449 | Enamel | 663  | 911  | 55.15 | 0.27 | 0.90 |
| Mal167-3EF-1 | 1176 | 0.490 | Enamel | 1046 | 923  | 55.00 | 0.29 | 0.89 |
| Mal167-3EF-1 | 1274 | 0.531 | Enamel | 1308 | 935  | 55.00 | 0.27 | 0.92 |
| Mal167-3EF-1 | 1372 | 0.572 | Enamel | 911  | 941  | 54.97 | 0.28 | 0.87 |
| Mal167-3EF-1 | 1470 | 0.613 | Enamel | 570  | 976  | 55.26 | 0.28 | 1.00 |
| Mal167-3EF-1 | 1568 | 0.653 | Enamel | 559  | 988  | 54.90 | 0.27 | 0.95 |
| Mal167-3EF-1 | 1666 | 0.694 | Enamel | 587  | 1003 | 55.26 | 0.28 | 1.02 |
| Mal167-3EF-1 | 1764 | 0.735 | Enamel | 594  | 1008 | 55.06 | 0.28 | 1.09 |
| Mal167-3EF-2 | 1862 | 0.776 | Enamel | 650  | 1042 | 54.93 | 0.31 | 1.14 |
| Mal167-3EF-2 | 1960 | 0.817 | Enamel | 703  | 1088 | 55.06 | 0.33 | 1.12 |
| Mal167-3EF-2 | 2058 | 0.858 | Enamel | 718  | 1094 | 55.35 | 0.35 | 1.16 |
| Mal167-3EF-2 | 2156 | 0.898 | Enamel | 747  | 1109 | 55.26 | 0.33 | 1.20 |
| Mal167-3EF-2 | 2254 | 0.939 | Enamel | 756  | 1112 | 55.16 | 0.31 | 1.25 |
| Mal167-3EF-2 | 2352 | 0.980 | Enamel | 671  | 1034 | 54.95 | 0.30 | 1.41 |
| Mal167-3EF-2 | 2450 | 1.021 | Dentin | 390  | 915  | 57.93 | 0.18 | 0.63 |
| Mal167-3EF-2 | 2548 | 1.062 | Dentin | 415  | 947  | 58.36 | 0.14 | 0.63 |
| Mal167-3EF-2 | 2646 | 1.103 | Dentin | 444  | 1012 | 58.38 | 0.15 | 0.66 |
| Mal167-3EF-2 | 2744 | 1.143 | Dentin | 437  | 1003 | 58.00 | 0.13 | 0.62 |
| Mal167-3EF-3 | 2842 | 1.184 | Dentin | 410  | 961  | 55.12 | 0.16 | 0.61 |
| Mal167-1AB-1 | 50   | 0.016 | Enamel | 478  | 1175 | 54.67 | 0.25 | 0.59 |
| Mal167-1AB-1 | 122  | 0.039 | Enamel | 294  | 680  | 54.68 | 0.29 | 0.67 |
| Mal167-1AB-1 | 244  | 0.078 | Enamel | 282  | 655  | 54.59 | 0.31 | 0.68 |
| Mal167-1AB-1 | 366  | 0.118 | Enamel | 306  | 655  | 54.68 | 0.28 | 0.71 |
| Mal167-1AB-1 | 488  | 0.157 | Enamel | 341  | 704  | 54.49 | 0.27 | 0.86 |
| Mal167-1AB-1 | 610  | 0.196 | Enamel | 386  | 699  | 55.06 | 0.23 | 0.80 |
| Mal167-1AB-1 | 732  | 0.235 | Enamel | 310  | 705  | 54.80 | 0.26 | 0.83 |
| Mal167-1AB-1 | 854  | 0.275 | Enamel | 352  | 747  | 54.77 | 0.27 | 0.84 |
| Mal167-1AB-1 | 976  | 0.314 | Enamel | 432  | 854  | 54.25 | 0.26 | 0.83 |
| Mal167-1AB-1 | 1098 | 0.353 | Enamel | 478  | 877  | 54.69 | 0.27 | 0.79 |
| Mal167-1AB-1 | 1220 | 0.392 | Enamel | 507  | 894  | 54.86 | 0.27 | 0.86 |
| Mal167-1AB-1 | 1342 | 0.432 | Enamel | 521  | 894  | 54.98 | 0.26 | 0.90 |
| Mal167-1AB-1 | 1464 | 0.471 | Enamel | 538  | 907  | 54.55 | 0.26 | 0.92 |
| Mal167-1AB-1 | 1586 | 0.510 | Enamel | 545  | 915  | 54.75 | 0.31 | 0.93 |
| Mal167-1AB-1 | 1708 | 0.549 | Enamel | 538  | 930  | 54.94 | 0.30 | 0.91 |
| Mal167-1AB-1 | 1830 | 0.588 | Enamel | 550  | 861  | 54.59 | 0.29 | 0.95 |
| Mal167-1AB-1 | 1952 | 0.628 | Enamel | 475  | 885  | 54.89 | 0.31 | 1.01 |
| Mal167-1AB-1 | 2074 | 0.667 | Enamel | 496  | 903  | 54.66 | 0.30 | 1.07 |
| Mal167-1AB-1 | 2196 | 0.706 | Enamel | 614  | 956  | 54.64 | 0.29 | 1.08 |
| Mal167-1AB-1 | 2318 | 0.745 | Enamel | 558  | 1042 | 54.73 | 0.33 | 1.06 |
| Mal167-1AB-1 | 2440 | 0.785 | Enamel | 971  | 1083 | 54.94 | 0.32 | 1.07 |
| Mal167-1AB-1 | 2562 | 0.824 | Enamel | 676  | 1101 | 54.87 | 0.33 | 1.11 |
| Mal167-1AB-1 | 2684 | 0.863 | Enamel | 624  | 1125 | 54.58 | 0.34 | 1.14 |
| Mal167-1AB-1 | 2806 | 0.902 | Enamel | 618  | 1150 | 54.83 | 0.34 | 1.29 |
| Mal167-1AB-1 | 2928 | 0.941 | Enamel | 636  | 1132 | 54.99 | 0.37 | 1.23 |
| Mal167-1AB-1 | 3050 | 0.981 | Enamel | 656  | 1148 | 54.99 | 0.35 | 1.32 |

|             |      |       |        |      |      |       |      |      |
|-------------|------|-------|--------|------|------|-------|------|------|
| Mal167-1AB- | 3172 | 1.020 | Dentin | 2843 | 1049 | 57.29 | 0.15 | 0.56 |
| Mal167-1AB- | 3294 | 1.059 | Dentin | 3641 | 985  | 56.93 | 0.15 | 0.55 |
| Mal167-1AB- | 3416 | 1.098 | Dentin | 1702 | 1001 | 57.42 | 0.13 | 0.61 |
| Mal167-1AB- | 3538 | 1.138 | Dentin | 1904 | 1035 | 57.94 | 0.11 | 0.52 |

| Sample        | Distance $\mu\text{m}$        | Distance Norm | Mineral  | Ba $\mu\text{g/g}$          | Sr $\mu\text{g/g}$ | CaO wt.% | MgO wt.% | Na <sub>2</sub> O wt.% |
|---------------|-------------------------------|---------------|----------|-----------------------------|--------------------|----------|----------|------------------------|
| <b>Alb10</b>  | <i>Hippopotamus amphibius</i> |               | Premolar | Lake Albert, Sebugoro Beach |                    |          |          |                        |
| Alb10-1 AB-01 | 30                            | 0.024         | Enamel   | 163                         | 401                | 54.25    | 0.40     | 0.79                   |
| Alb10-1 AB-03 | 110                           | 0.087         | Enamel   | 150                         | 411                | 54.52    | 0.39     | 0.79                   |
| Alb10-1 AB-05 | 220                           | 0.174         | Enamel   | 147                         | 422                | 54.83    | 0.40     | 0.81                   |
| Alb10-1 AB-07 | 330                           | 0.261         | Enamel   | 161                         | 450                | 54.86    | 0.41     | 0.77                   |
| Alb10-1 AB-09 | 440                           | 0.348         | Enamel   | 162                         | 448                | 54.44    | 0.39     | 0.86                   |
| Alb10-1 AB-11 | 550                           | 0.435         | Enamel   | 164                         | 461                | 54.92    | 0.44     | 0.90                   |
| Alb10-1 AB-13 | 660                           | 0.522         | Enamel   | 180                         | 466                | 54.55    | 0.44     | 0.92                   |
| Alb10-1 AB-15 | 770                           | 0.609         | Enamel   | 179                         | 453                | 54.65    | 0.46     | 1.04                   |
| Alb10-1 AB-17 | 880                           | 0.696         | Enamel   | 208                         | 479                | 54.61    | 0.43     | 1.09                   |
| Alb10-1 AB-19 | 990                           | 0.783         | Enamel   | 237                         | 503                | 54.80    | 0.44     | 1.09                   |
| Alb10-1 AB-21 | 1100                          | 0.870         | Enamel   | 252                         | 519                | 54.64    | 0.41     | 1.22                   |
| Alb10-1 AB-23 | 1210                          | 0.957         | Enamel   | 295                         | 551                | 54.21    | 0.52     | 1.32                   |
| Alb10-1 AB-25 | 1320                          | 1.043         | Dentin   | 351                         | 452                | 55.74    | 3.04     | 0.93                   |
| Alb10-1 AB-27 | 1430                          | 1.130         | Dentin   | 349                         | 436                | 54.76    | 3.43     | 1.14                   |
| Alb10-1 AB-29 | 1540                          | 1.217         | Dentin   | 323                         | 412                | 54.16    | 3.73     | 1.10                   |
| Alb10-2 AB-01 | 30                            | 0.025         | Enamel   | 230                         | 415                | 54.52    | 0.34     | 0.74                   |
| Alb10-2 AB-03 | 104                           | 0.087         | Enamel   | 167                         | 411                | 54.52    | 0.36     | 0.73                   |
| Alb10-2 AB-05 | 208                           | 0.173         | Enamel   | 153                         | 416                | 54.70    | 0.36     | 0.75                   |
| Alb10-2 AB-07 | 312                           | 0.260         | Enamel   | 165                         | 438                | 54.36    | 0.36     | 0.81                   |
| Alb10-2 AB-09 | 416                           | 0.347         | Enamel   | 173                         | 454                | 54.51    | 0.35     | 0.80                   |
| Alb10-2 AB-11 | 520                           | 0.433         | Enamel   | 169                         | 456                | 54.46    | 0.42     | 0.91                   |
| Alb10-2 AB-13 | 624                           | 0.520         | Enamel   | 176                         | 466                | 54.47    | 0.43     | 0.91                   |
| Alb10-2 AB-15 | 728                           | 0.607         | Enamel   | 191                         | 464                | 54.31    | 0.51     | 1.10                   |
| Alb10-2 AB-17 | 832                           | 0.693         | Enamel   | 200                         | 480                | 54.46    | 0.48     | 1.07                   |
| Alb10-2 AB-19 | 936                           | 0.780         | Enamel   | 230                         | 501                | 53.90    | 0.48     | 1.17                   |
| Alb10-2 AB-21 | 1040                          | 0.867         | Enamel   | 260                         | 540                | 54.44    | 0.47     | 1.18                   |
| Alb10-2 AB-23 | 1144                          | 0.953         | Enamel   | 355                         | 519                | 53.98    | 0.57     | 1.40                   |
| Alb10-2 AB-25 | 1248                          | 1.040         | Dentin   | 362                         | 441                | 56.05    | 3.31     | 0.92                   |
| Alb10-2 AB-27 | 1352                          | 1.127         | Dentin   | 297                         | 374                | 51.61    | 3.43     | 1.15                   |
| Alb10-2 AB-29 | 1456                          | 1.213         | Dentin   | 323                         | 420                | 52.40    | 3.56     | 1.04                   |
| Alb10 1AB-01  | 50                            | 0.030         | Enamel   | 141                         | 360                | 52.69    | 0.37     | 0.82                   |
| Alb10 1AB-03  | 178                           | 0.108         | Enamel   | 132                         | 369                | 53.43    | 0.38     | 0.84                   |
| Alb10 1AB-05  | 306                           | 0.185         | Enamel   | 141                         | 393                | 54.80    | 0.35     | 0.88                   |
| Alb10 1AB-07  | 434                           | 0.263         | Enamel   | 139                         | 392                | 53.83    | 0.41     | 0.88                   |
| Alb10 1AB-09  | 562                           | 0.341         | Enamel   | 145                         | 398                | 54.41    | 0.43     | 0.90                   |
| Alb10 1AB-11  | 690                           | 0.418         | Enamel   | 162                         | 407                | 54.16    | 0.39     | 0.91                   |
| Alb10 1AB-13  | 818                           | 0.496         | Enamel   | 181                         | 428                | 54.33    | 0.44     | 0.92                   |
| Alb10 1AB-15  | 946                           | 0.573         | Enamel   | 198                         | 441                | 54.09    | 0.46     | 0.96                   |
| Alb10 1AB-19  | 1202                          | 0.728         | Enamel   | 278                         | 505                | 53.91    | 0.53     | 0.98                   |
| Alb10 1AB-21  | 1330                          | 0.806         | Enamel   | 291                         | 508                | 53.32    | 0.53     | 1.16                   |

|              |      |       |        |     |     |       |      |      |
|--------------|------|-------|--------|-----|-----|-------|------|------|
| Alb10 1AB-23 | 1458 | 0.884 | Enamel | 339 | 508 | 53.25 | 0.63 | 1.32 |
| Alb10 1AB-25 | 1586 | 0.961 | Enamel | 428 | 514 | 52.47 | 0.60 | 1.45 |
| Alb10 1AB-27 | 1714 | 1.039 | Dentin | 333 | 404 | 52.47 | 2.79 | 0.98 |
| Alb10 1AB-29 | 1842 | 1.116 | Dentin | 297 | 371 | 51.22 | 3.01 | 1.16 |
| Alb10 5AB-01 | 50   | 0.045 | Enamel | 121 | 325 | 52.78 | 0.25 | 0.65 |
| Alb10 5AB-03 | 150  | 0.136 | Enamel | 129 | 352 | 52.87 | 0.32 | 0.74 |
| Alb10 5AB-05 | 250  | 0.227 | Enamel | 140 | 370 | 52.69 | 0.31 | 0.90 |
| Alb10 5AB-07 | 350  | 0.318 | Enamel | 156 | 404 | 53.53 | 0.36 | 0.81 |
| Alb10 5AB-09 | 450  | 0.409 | Enamel | 169 | 413 | 52.80 | 0.36 | 0.93 |
| Alb10 5AB-11 | 550  | 0.500 | Enamel | 174 | 425 | 53.14 | 0.37 | 1.00 |
| Alb10 5AB-13 | 650  | 0.591 | Enamel | 186 | 443 | 52.95 | 0.41 | 1.11 |
| Alb10 5AB-15 | 750  | 0.682 | Enamel | 192 | 445 | 52.34 | 0.41 | 1.23 |
| Alb10 5AB-17 | 850  | 0.773 | Enamel | 233 | 479 | 52.46 | 0.41 | 1.22 |
| Alb10 5AB-19 | 950  | 0.864 | Enamel | 255 | 506 | 52.44 | 0.48 | 1.39 |
| Alb10 5AB-21 | 1050 | 0.955 | Enamel | 247 | 523 | 52.31 | 0.50 | 1.43 |
| Alb10 5AB-23 | 1150 | 1.045 | Dentin | 270 | 393 | 51.80 | 3.31 | 1.14 |
| Alb10 5AB-25 | 1250 | 1.136 | Dentin | 323 | 382 | 49.87 | 3.63 | 1.19 |
| Alb10 5AB-27 | 1350 | 1.227 | Dentin | 331 | 362 | 48.15 | 3.77 | 1.16 |
| Alb10 5AB-29 | 1450 | 1.318 | Dentin | 318 | 371 | 49.61 | 3.82 | 1.11 |
| Alb10 L1-01  | 100  | 0.012 | Cement | 555 | 447 | 56.39 | 1.48 | 0.72 |
| Alb10 L1-02  | 400  | 0.048 | Cement | 563 | 449 | 56.68 | 1.37 | 0.81 |
| Alb10 L1-03  | 700  | 0.084 | Cement | 626 | 450 | 56.18 | 1.58 | 0.88 |
| Alb10 L1-04  | 1000 | 0.120 | Enamel | 227 | 453 | 53.21 | 0.61 | 1.43 |
| Alb10 L1-05  | 1300 | 0.157 | Enamel | 225 | 473 | 53.53 | 0.45 | 1.45 |
| Alb10 L1-06  | 1600 | 0.193 | Enamel | 226 | 481 | 52.61 | 0.44 | 1.27 |
| Alb10 L1-07  | 1900 | 0.229 | Enamel | 253 | 501 | 53.62 | 0.43 | 1.32 |
| Alb10 L1-08  | 2200 | 0.265 | Enamel | 268 | 508 | 53.27 | 0.48 | 1.29 |
| Alb10 L1-09  | 2500 | 0.301 | Enamel | 246 | 497 | 52.84 | 0.63 | 1.36 |
| Alb10 L1-10  | 2800 | 0.337 | Enamel | 241 | 501 | 52.61 | 0.43 | 1.30 |
| Alb10 L1-11  | 3100 | 0.373 | Enamel | 224 | 482 | 52.87 | 0.42 | 1.38 |
| Alb10 L1-12  | 3400 | 0.410 | Enamel | 208 | 478 | 53.75 | 0.43 | 1.39 |
| Alb10 L1-13  | 3700 | 0.446 | Enamel | 206 | 472 | 52.60 | 0.51 | 1.38 |
| Alb10 L1-14  | 4000 | 0.482 | Enamel | 207 | 479 | 53.27 | 0.43 | 1.25 |
| Alb10 L1-15  | 4300 | 0.518 | Enamel | 214 | 490 | 53.64 | 0.46 | 1.34 |
| Alb10 L1-16  | 4600 | 0.554 | Enamel | 200 | 466 | 52.51 | 0.56 | 1.44 |
| Alb10 L1-17  | 4900 | 0.590 | Enamel | 197 | 466 | 53.48 | 0.56 | 1.44 |
| Alb10 L1-18  | 5200 | 0.627 | Enamel | 203 | 471 | 53.66 | 0.50 | 1.33 |
| Alb10 L1-19  | 5500 | 0.663 | Enamel | 215 | 478 | 53.25 | 0.45 | 1.32 |
| Alb10 L1-20  | 5800 | 0.699 | Enamel | 221 | 473 | 53.36 | 0.43 | 1.32 |
| Alb10 L1-21  | 6100 | 0.735 | Enamel | 220 | 480 | 54.04 | 0.45 | 1.31 |
| Alb10 L1-22  | 6400 | 0.771 | Enamel | 218 | 472 | 53.47 | 0.48 | 1.38 |
| Alb10 L1-23  | 6700 | 0.807 | Enamel | 221 | 474 | 53.69 | 0.45 | 1.34 |
| Alb10 L1-24  | 7000 | 0.843 | Enamel | 214 | 457 | 53.49 | 0.58 | 1.25 |
| Alb10 L1-25  | 7300 | 0.880 | Enamel | 205 | 453 | 53.85 | 0.42 | 1.29 |
| Alb10 L1-26  | 7600 | 0.916 | Enamel | 210 | 466 | 54.15 | 0.52 | 1.21 |
| Alb10 L1-27  | 7900 | 0.952 | Enamel | 208 | 453 | 53.48 | 0.44 | 1.18 |

| Sample             | Distance $\mu\text{m}$ | Distance Norm           | Mineral        | Ba $\mu\text{g/g}$                     | Sr $\mu\text{g/g}$ | CaO wt.% | MgO wt.% | Na <sub>2</sub> O wt.% |
|--------------------|------------------------|-------------------------|----------------|--|--------------------|----------|----------|------------------------|
| <b>Cat# 019-06</b> | <i>Hippopotamus sp</i> | Lake Albert, Nkondo Fm. | Molar fragment | Surface Find; E30.882052; N1.406682895 |                    |          |          |                        |
| 1906-2AB-01        | 50                     | 0.024                   | Enamel         | 727                                    | 589                | 54.32    | 0.12     | 0.53                   |
| 1906-2AB-02        | 137                    | 0.065                   | Enamel         | 695                                    | 331                | 55.13    | 0.17     | 0.72                   |
| 1906-2AB-03        | 274                    | 0.129                   | Enamel         | 495                                    | 260                | 55.55    | 0.17     | 0.74                   |
| 1906-2AB-04        | 411                    | 0.194                   | Enamel         | 402                                    | 257                | 55.44    | 0.20     | 0.90                   |
| 1906-2AB-05        | 548                    | 0.258                   | Enamel         | 444                                    | 283                | 55.50    | 0.17     | 0.76                   |
| 1906-2AB-06        | 685                    | 0.323                   | Enamel         | 465                                    | 310                | 55.41    | 0.22     | 0.71                   |
| 1906-2AB-07        | 822                    | 0.388                   | Enamel         | 501                                    | 318                | 54.49    | 0.24     | 0.85                   |
| 1906-2AB-08        | 959                    | 0.452                   | Enamel         | 507                                    | 323                | 55.12    | 0.23     | 0.98                   |
| 1906-2AB-09        | 1096                   | 0.517                   | Enamel         | 542                                    | 332                | 54.95    | 0.17     | 0.97                   |
| 1906-2AB-10        | 1233                   | 0.582                   | Enamel         | 561                                    | 343                | 55.41    | 0.21     | 0.99                   |
| 1906-2AB-11        | 1370                   | 0.646                   | Enamel         | 593                                    | 354                | 54.95    | 0.22     | 1.08                   |
| 1906-2AB-12        | 1507                   | 0.711                   | Enamel         | 642                                    | 373                | 54.97    | 0.23     | 1.09                   |
| 1906-2AB-13        | 1644                   | 0.775                   | Enamel         | 589                                    | 371                | 55.13    | 0.22     | 1.09                   |
| 1906-2AB-14        | 1781                   | 0.840                   | Enamel         | 577                                    | 355                | 55.02    | 0.24     | 1.21                   |
| 1906-2AB-15        | 1918                   | 0.905                   | Enamel         | 580                                    | 345                | 55.27    | 0.28     | 1.14                   |
| 1906-2AB-16        | 2055                   | 0.969                   | Enamel         | 577                                    | 347                | 54.65    | 0.31     | 1.24                   |
| 1906-2AB-17        | 2192                   | 1.034                   | Dentin         | 1046                                   | 1618               | 54.49    | 0.20     | 0.40                   |
| 1906-2AB-18        | 2329                   | 1.099                   | Dentin         | 1113                                   | 1831               | 54.12    | 0.23     | 0.47                   |
| 1906-2AB-19        | 2466                   | 1.163                   | Dentin         | 1109                                   | 1809               | 54.56    | 0.25     | 0.36                   |
| 1906-2AB-20        | 2603                   | 1.228                   | Dentin         | 1111                                   | 1832               | 54.31    | 0.15     | 0.38                   |
| 1906-1AB-02        | 2620                   | 0.936                   | Enamel         | 661                                    | 370                | 56.10    | 0.10     | 0.73                   |
| 1906-1AB-03        | 2489                   | 0.889                   | Enamel         | 551                                    | 298                | 55.21    | 0.16     | 0.76                   |
| 1906-1AB-04        | 2358                   | 0.842                   | Enamel         | 449                                    | 277                | 56.03    | 0.15     | 0.80                   |
| 1906-1AB-05        | 2227                   | 0.795                   | Enamel         | 449                                    | 285                | 55.29    | 0.22     | 0.81                   |
| 1906-1AB-06        | 2096                   | 0.749                   | Enamel         | 426                                    | 292                | 55.79    | 0.25     | 0.84                   |
| 1906-1AB-07        | 1965                   | 0.702                   | Enamel         | 452                                    | 296                | 55.36    | 0.21     | 0.84                   |
| 1906-1AB-08        | 1834                   | 0.655                   | Enamel         | 470                                    | 300                | 55.64    | 0.18     | 0.85                   |
| 1906-1AB-09        | 1703                   | 0.608                   | Enamel         | 520                                    | 312                | 55.93    | 0.20     | 0.92                   |
| 1906-1AB-10        | 1572                   | 0.561                   | Enamel         | 541                                    | 318                | 56.04    | 0.18     | 0.93                   |
| 1906-1AB-11        | 1441                   | 0.515                   | Enamel         | 526                                    | 332                | 55.94    | 0.16     | 0.95                   |
| 1906-1AB-12        | 1310                   | 0.468                   | Riss           | 439                                    | 308                | 56.05    | 0.15     | 1.09                   |
| 1906-1AB-13        | 1179                   | 0.421                   | Riss           | 1672                                   | 406                | 55.37    | 0.17     | 0.90                   |
| 1906-1AB-14        | 1048                   | 0.374                   | Enamel         | 549                                    | 382                | 55.82    | 0.16     | 0.93                   |
| 1906-1AB-15        | 917                    | 0.328                   | Enamel         | 575                                    | 348                | 55.09    | 0.14     | 0.84                   |
| 1906-1AB-16        | 786                    | 0.281                   | Enamel         | 581                                    | 339                | 56.11    | 0.19     | 0.95                   |
| 1906-1AB-17        | 655                    | 0.234                   | Enamel         | 530                                    | 301                | 55.80    | 0.15     | 0.89                   |
| 1906-1AB-18        | 524                    | 0.187                   | Enamel         | 481                                    | 287                | 56.20    | 0.19     | 0.81                   |
| 1906-1AB-19        | 393                    | 0.140                   | Enamel         | 485                                    | 299                | 56.29    | 0.16     | 0.78                   |
| 1906-1AB-20        | 262                    | 0.094                   | Enamel         | 495                                    | 314                | 55.31    | 0.17     | 0.86                   |
| 1906-1AB-21        | 131                    | 0.047                   | Enamel         | 509                                    | 345                | 55.40    | 0.16     | 0.91                   |

|             |      |       |        |        |      |       |      |      |
|-------------|------|-------|--------|--------|------|-------|------|------|
| 1906-1AB-22 | 50   | 0.011 | Riss   | 301952 | 8393 | 55.29 | 0.17 | 0.76 |
| 1906-1AB-23 | 131  | 0.069 | Enamel | 1091   | 337  | 55.72 | 0.22 | 0.71 |
| 1906-1AB-24 | 262  | 0.138 | Enamel | 527    | 294  | 54.94 | 0.19 | 0.77 |
| 1906-1AB-25 | 393  | 0.207 | Enamel | 511    | 299  | 55.22 | 0.17 | 0.76 |
| 1906-1AB-26 | 524  | 0.276 | Enamel | 558    | 306  | 55.86 | 0.15 | 0.88 |
| 1906-1AB-27 | 655  | 0.345 | Enamel | 612    | 327  | 55.17 | 0.18 | 0.96 |
| 1906-1AB-28 | 786  | 0.414 | Enamel | 663    | 339  | 55.51 | 0.19 | 0.94 |
| 1906-1AB-29 | 917  | 0.483 | Enamel | 666    | 342  | 55.64 | 0.15 | 0.95 |
| 1906-1AB-30 | 1048 | 0.552 | Enamel | 723    | 358  | 55.20 | 0.20 | 1.08 |

|                    |                        |                                |                |   |  |  |  |  |
|--------------------|------------------------|--------------------------------|----------------|---|--|--|--|--|
| <b>Cat# 053-06</b> | <i>Hippopotamus sp</i> | Lake Albert, Kaiso Village Fm. | Molar fragment | Surface Find; E30.96475396; N1.52576142 |  |  |  |  |
|--------------------|------------------------|--------------------------------|----------------|---|--|--|--|--|

|             |      |       |        |      |      |       |      |      |
|-------------|------|-------|--------|------|------|-------|------|------|
| 5306-1AB-01 | 50   | 0.021 | Cement | 901  | 1337 | 48.90 | 0.26 | 0.47 |
| 5306-1AB-02 | 107  | 0.045 | Cement | 283  | 401  | 51.31 | 0.24 | 0.44 |
| 5306-1AB-03 | 214  | 0.089 | Cement | 222  | 349  | 50.16 | 0.25 | 0.45 |
| 5306-1AB-04 | 321  | 0.134 | Cement | 195  | 344  | 50.00 | 0.26 | 0.51 |
| 5306-1AB-05 | 428  | 0.178 | Cement | 206  | 361  | 51.48 | 0.26 | 0.44 |
| 5306-1AB-06 | 535  | 0.223 | Enamel | 216  | 382  | 53.88 | 0.35 | 0.84 |
| 5306-1AB-07 | 642  | 0.268 | Enamel | 220  | 397  | 53.96 | 0.34 | 0.96 |
| 5306-1AB-08 | 749  | 0.312 | Enamel | 196  | 388  | 53.43 | 0.23 | 0.94 |
| 5306-1AB-09 | 856  | 0.357 | Enamel | 195  | 398  | 53.93 | 0.19 | 0.97 |
| 5306-1AB-10 | 963  | 0.401 | Enamel | 191  | 377  | 54.13 | 0.17 | 0.83 |
| 5306-1AB-11 | 1070 | 0.446 | Enamel | 186  | 395  | 54.04 | 0.20 | 0.95 |
| 5306-1AB-12 | 1177 | 0.490 | Enamel | 195  | 432  | 54.95 | 0.20 | 0.80 |
| 5306-1AB-13 | 1284 | 0.535 | Enamel | 199  | 428  | 55.21 | 0.19 | 0.86 |
| 5306-1AB-14 | 1391 | 0.580 | Enamel | 204  | 431  | 54.93 | 0.22 | 0.94 |
| 5306-1AB-15 | 1498 | 0.624 | Enamel | 251  | 444  | 55.02 | 0.28 | 0.99 |
| 5306-1AB-16 | 1605 | 0.669 | Enamel | 222  | 481  | 55.41 | 0.31 | 1.11 |
| 5306-1AB-17 | 1712 | 0.713 | Enamel | 209  | 479  | 55.51 | 0.28 | 0.98 |
| 5306-1AB-18 | 1819 | 0.758 | Enamel | 238  | 495  | 55.42 | 0.28 | 1.07 |
| 5306-1AB-19 | 1926 | 0.803 | Enamel | 213  | 490  | 56.08 | 0.28 | 1.14 |
| 5306-1AB-20 | 2033 | 0.847 | Enamel | 247  | 507  | 55.05 | 0.34 | 1.14 |
| 5306-1AB-21 | 2140 | 0.892 | Enamel | 247  | 515  | 55.76 | 0.35 | 1.25 |
| 5306-1AB-22 | 2247 | 0.936 | Enamel | 266  | 537  | 55.58 | 0.40 | 1.32 |
| 5306-1AB-23 | 2354 | 0.981 | Enamel | 274  | 555  | 55.76 | 0.34 | 1.32 |
| 5306-1AB-24 | 2461 | 1.025 | dentin | 254  | 916  | 47.59 | 0.30 | 0.62 |
| 5306-1AB-25 | 2568 | 1.070 | dentin | 247  | 831  | 44.14 | 0.28 | 0.55 |
| 5306-1AB-26 | 2675 | 1.115 | dentin | 335  | 903  | 46.36 | 0.26 | 0.55 |
| 5306-1AB-27 | 2782 | 1.159 | dentin | 431  | 942  | 47.85 | 0.24 | 0.59 |
| 5306-1AB-28 | 2889 | 1.204 | dentin | 756  | 993  | 48.89 | 0.27 | 0.56 |
| 5306-1AB-29 | 2996 | 1.248 | dentin | 867  | 995  | 48.60 | 0.22 | 0.52 |
| 5306-1AB-30 | 3103 | 1.293 | dentin | 1078 | 1008 | 48.55 | 0.23 | 0.53 |

|              |     |       |        |     |     |  |  |  |
|--------------|-----|-------|--------|-----|-----|--|--|--|
| 5306-2a AB-0 | 50  | 0.020 | Enamel | 480 | 925 |  |  |  |
| 5306-2a AB-0 | 100 | 0.041 | Enamel | 397 | 734 |  |  |  |
| 5306-2a AB-0 | 200 | 0.082 | Enamel | 326 | 583 |  |  |  |
| 5306-2a AB-0 | 300 | 0.122 | Enamel | 279 | 546 |  |  |  |

|              |      |       |        |     |      |
|--------------|------|-------|--------|-----|------|
| 5306-2a AB-0 | 400  | 0.163 | Enamel | 270 | 502  |
| 5306-2a AB-0 | 500  | 0.204 | Enamel | 269 | 456  |
| 5306-2a AB-0 | 600  | 0.245 | Enamel | 279 | 459  |
| 5306-2a AB-0 | 700  | 0.286 | Enamel | 277 | 451  |
| 5306-2a AB-0 | 800  | 0.327 | Enamel | 258 | 448  |
| 5306-2a AB-1 | 900  | 0.367 | Enamel | 288 | 470  |
| 5306-2a AB-1 | 1000 | 0.408 | Enamel | 274 | 453  |
| 5306-2a AB-1 | 1100 | 0.449 | Enamel | 278 | 461  |
| 5306-2a AB-1 | 1200 | 0.490 | Enamel | 289 | 450  |
| 5306-2a AB-1 | 1300 | 0.531 | Enamel | 258 | 466  |
| 5306-2a AB-1 | 1400 | 0.571 | Enamel | 264 | 481  |
| 5306-2a AB-1 | 1500 | 0.612 | Enamel | 252 | 489  |
| 5306-2a AB-1 | 1600 | 0.653 | Enamel | 226 | 483  |
| 5306-2a AB-1 | 1700 | 0.694 | Enamel | 218 | 494  |
| 5306-2a AB-1 | 1800 | 0.735 | Enamel | 225 | 497  |
| 5306-2a AB-2 | 1900 | 0.776 | Enamel | 218 | 505  |
| 5306-2a AB-2 | 2000 | 0.816 | Enamel | 232 | 494  |
| 5306-2a AB-2 | 2100 | 0.857 | Enamel | 249 | 529  |
| 5306-2a AB-2 | 2200 | 0.898 | Enamel | 270 | 569  |
| 5306-2a AB-2 | 2300 | 0.939 | Enamel | 224 | 530  |
| 5306-2a AB-2 | 2400 | 0.980 | Enamel | 252 | 559  |
| 5306-2a AB-2 | 2500 | 1.020 | Dentin | 926 | 1618 |
| 5306-2a AB-2 | 2600 | 1.061 | Dentin | 879 | 1517 |
| 5306-2a AB-2 | 2700 | 1.102 | Dentin |     |      |

|               |      |       |        |     |      |       |      |      |
|---------------|------|-------|--------|-----|------|-------|------|------|
| 5306-L1(3)-01 | 100  | 0.008 | Enamel | 458 | 1089 | 44.69 | 0.24 | 0.67 |
| 5306-L1(3)-02 | 400  | 0.032 | Enamel | 343 | 561  | 54.26 | 0.26 | 0.93 |
| 5306-L1(3)-03 | 700  | 0.056 | Enamel | 304 | 537  | 53.43 | 0.28 | 1.27 |
| 5306-L1(3)-04 | 1000 | 0.700 | Enamel | 277 | 530  | 53.39 | 0.34 | 1.28 |
| 5306-L1(3)-05 | 1300 | 0.700 | Enamel | 268 | 519  | 53.81 | 0.34 | 1.23 |
| 5306-L1(3)-06 | 1600 | 0.700 | Enamel | 266 | 518  | 54.16 | 0.33 | 1.23 |
| 5306-L1(3)-07 | 1900 | 0.700 | Enamel | 259 | 510  | 53.84 | 0.35 | 1.16 |
| 5306-L1(3)-08 | 2200 | 0.700 | Enamel | 247 | 536  | 53.87 | 0.34 | 1.21 |
| 5306-L1(3)-09 | 2500 | 0.700 | Enamel | 232 | 579  | 53.51 | 0.31 | 1.22 |
| 5306-L1(3)-10 | 2800 | 0.700 | Enamel | 249 | 586  | 53.39 | 0.31 | 1.14 |
| 5306-L1(3)-11 | 3100 | 0.700 | Enamel | 210 | 566  | 53.15 | 0.29 | 1.15 |
| 5306-L1(3)-12 | 3400 | 0.700 | Enamel | 198 | 561  | 53.60 | 0.32 | 1.23 |
| 5306-L1(3)-13 | 3700 | 0.700 | Enamel | 212 | 565  | 53.85 | 0.29 | 1.08 |
| 5306-L1(3)-14 | 4000 | 0.700 | Enamel | 213 | 556  | 53.54 | 0.27 | 1.21 |
| 5306-L1(3)-15 | 4300 | 0.700 | Enamel | 220 | 530  | 53.83 | 0.33 | 1.36 |
| 5306-L1(3)-16 | 4600 | 0.700 | Enamel | 224 | 500  | 53.78 | 0.33 | 1.18 |
| 5306-L1(3)-17 | 4900 | 0.700 | Enamel | 260 | 523  | 53.42 | 0.38 | 1.32 |
| 5306-L1(3)-18 | 5200 | 0.700 | Enamel | 247 | 485  | 54.15 | 0.39 | 1.11 |
| 5306-L1(3)-19 | 5500 | 0.700 | Enamel | 245 | 498  | 53.82 | 0.42 | 1.25 |
| 5306-L1(3)-20 | 5800 | 0.700 | Enamel | 239 | 481  | 53.99 | 0.39 | 1.17 |
| 5306-L1(3)-21 | 6100 | 0.700 | Enamel | 266 | 480  | 53.80 | 0.41 | 1.31 |
| 5306-L1(3)-22 | 6400 | 0.700 | Enamel | 238 | 463  | 53.83 | 0.40 | 1.30 |

|               |       |       |        |     |     |       |      |      |
|---------------|-------|-------|--------|-----|-----|-------|------|------|
| 5306-L1(3)-23 | 6700  | 0.700 | Enamel | 244 | 481 | 53.86 | 0.38 | 1.26 |
| 5306-L1(3)-24 | 7000  | 0.700 | Enamel | 229 | 564 | 53.73 | 0.31 | 1.26 |
| 5306-L1(3)-25 | 7300  | 0.700 | Enamel | 218 | 551 | 53.66 | 0.31 | 1.20 |
| 5306-L1(3)-26 | 7600  | 0.700 | Enamel | 224 | 543 | 53.41 | 0.33 | 1.24 |
| 5306-L1(3)-27 | 7900  | 0.700 | Enamel | 234 | 560 | 53.93 | 0.27 | 1.33 |
| 5306-L1(3)-28 | 8200  | 0.700 | Enamel | 224 | 526 | 53.39 | 0.32 | 1.25 |
| 5306-L1(3)-29 | 8500  | 0.700 | Enamel | 241 | 540 | 53.71 | 0.30 | 1.27 |
| 5306-L1(3)-30 | 8800  | 0.700 | Enamel | 240 | 541 | 53.82 | 0.31 | 1.25 |
| 5306-L1(3)-31 | 9100  | 0.728 | Enamel | 246 | 523 | 53.82 | 0.35 | 1.25 |
| 5306-L1(3)-32 | 9400  | 0.752 | Enamel | 250 | 500 | 53.64 | 0.36 | 1.23 |
| 5306-L1(3)-33 | 9700  | 0.776 | Enamel | 244 | 477 | 53.36 | 0.36 | 1.23 |
| 5306-L1(3)-34 | 10000 | 0.800 | Enamel | 226 | 475 | 53.87 | 0.37 | 1.17 |
| 5306-L1(3)-35 | 10300 | 0.824 | Enamel | 243 | 479 | 53.47 | 0.39 | 1.19 |
| 5306-L1(3)-36 | 10600 | 0.848 | Enamel | 236 | 468 | 53.27 | 0.39 | 1.21 |
| 5306-L1(3)-37 | 10900 | 0.872 | Enamel | 235 | 470 | 52.87 | 0.38 | 1.24 |
| 5306-L1(3)-38 | 11200 | 0.896 | Enamel | 231 | 499 | 53.41 | 0.39 | 1.33 |
| 5306-L1(3)-39 | 11500 | 0.920 | Enamel | 260 | 521 | 53.89 | 0.37 | 1.31 |
| 5306-L1(3)-40 | 11800 | 0.944 | Enamel | 251 | 487 | 53.62 | 0.42 | 1.26 |
| 5306-L1(3)-41 | 12100 | 0.968 | Enamel | 249 | 479 | 53.07 | 0.35 | 1.24 |

| <b>Cat# 017-06</b> | <i>Hippopotamus</i><br><i>sp</i> | Lake Albert,<br>Warwire Fm. | Molar<br>fragment | Surface Find; E30.8829189;<br>N1.41738233 |  |  |  |  |
|--------------------|----------------------------------|-----------------------------|-------------------|---|--|--|--|--|
|--------------------|----------------------------------|-----------------------------|-------------------|---|--|--|--|--|

|             |      |       |        |      |      |       |      |      |
|-------------|------|-------|--------|------|------|-------|------|------|
| 1706-1AB-01 | 50   | 0.020 | Enamel | 1019 | 734  | 52.49 | 0.16 | 0.44 |
| 1706-1AB-02 | 184  | 0.074 | Enamel | 978  | 823  | 50.64 | 0.14 | 0.60 |
| 1706-1AB-03 | 368  | 0.148 | Enamel | 1116 | 967  | 53.92 | 0.11 | 0.67 |
| 1706-1AB-04 | 552  | 0.223 | Enamel | 1007 | 962  | 54.55 | 0.18 | 0.77 |
| 1706-1AB-05 | 736  | 0.297 | Enamel | 979  | 919  | 53.87 | 0.22 | 0.79 |
| 1706-1AB-06 | 920  | 0.371 | Enamel | 818  | 742  | 54.45 | 0.27 | 0.88 |
| 1706-1AB-07 | 1104 | 0.445 | Enamel | 854  | 761  | 54.77 | 0.25 | 0.74 |
| 1706-1AB-08 | 1288 | 0.519 | Enamel | 833  | 770  | 54.41 | 0.19 | 0.85 |
| 1706-1AB-09 | 1472 | 0.594 | Enamel | 1145 | 841  | 54.80 | 0.22 | 0.88 |
| 1706-1AB-10 | 1656 | 0.668 | Enamel | 1369 | 872  | 54.47 | 0.21 | 0.95 |
| 1706-1AB-11 | 1840 | 0.742 | Enamel | 1671 | 943  | 55.23 | 0.24 | 0.95 |
| 1706-1AB-12 | 2024 | 0.816 | Enamel | 1898 | 968  | 54.64 | 0.24 | 1.03 |
| 1706-1AB-13 | 2208 | 0.890 | Enamel | 1780 | 999  | 54.70 | 0.23 | 1.19 |
| 1706-1AB-14 | 2392 | 0.965 | Enamel | 1728 | 1057 | 56.00 | 0.20 | 1.22 |
| 1706-1AB-15 | 2576 | 1.039 | Dentin | 1522 | 1767 | 55.83 | 0.13 | 0.47 |
| 1706-1AB-16 | 2760 | 1.113 | Dentin | 1742 | 1921 | 55.83 | 0.13 | 0.47 |
| 1706-1AB-17 | 2944 | 1.187 | Dentin | 2131 | 1855 | 53.66 | 0.18 | 0.44 |
| 1706-1AB-18 | 3128 | 1.261 | Dentin | 3046 | 1935 | 55.56 | 0.12 | 0.54 |
| 1706-1AB-19 | 3312 | 1.335 | Dentin | 2402 | 1910 | 55.73 | 0.16 | 0.45 |
| 1706-1AB-20 | 3496 | 1.410 | Dentin | 2505 | 1923 | 55.49 | 0.17 | 0.47 |
| 1706-2AB-01 | 50   | 0.020 | Enamel | 1079 | 970  | 53.87 | 0.11 | 0.58 |
| 1706-2AB-02 | 181  | 0.074 | Enamel | 776  | 889  | 53.41 | 0.17 | 0.60 |
| 1706-2AB-03 | 362  | 0.148 | Enamel | 728  | 837  | 53.74 | 0.19 | 0.65 |
| 1706-2AB-04 | 543  | 0.223 | Enamel | 708  | 758  | 54.31 | 0.24 | 0.68 |

|             |      |       |        |      |      |       |      |      |
|-------------|------|-------|--------|------|------|-------|------|------|
| 1706-2AB-05 | 724  | 0.297 | Enamel | 760  | 783  | 54.74 | 0.20 | 0.81 |
| 1706-2AB-06 | 905  | 0.371 | Enamel | 791  | 785  | 54.62 | 0.20 | 0.77 |
| 1706-2AB-07 | 1086 | 0.445 | Enamel | 835  | 781  | 54.22 | 0.19 | 0.85 |
| 1706-2AB-08 | 1267 | 0.519 | Enamel | 1044 | 865  | 55.10 | 0.21 | 0.90 |
| 1706-2AB-09 | 1448 | 0.593 | Enamel | 885  | 832  | 54.63 | 0.25 | 0.86 |
| 1706-2AB-10 | 1629 | 0.668 | Enamel | 968  | 882  | 55.10 | 0.24 | 1.03 |
| 1706-2AB-11 | 1810 | 0.742 | Enamel | 985  | 888  | 55.01 | 0.22 | 0.96 |
| 1706-2AB-12 | 1991 | 0.816 | Enamel | 1080 | 910  | 54.81 | 0.24 | 1.01 |
| 1706-2AB-13 | 2172 | 0.890 | Enamel | 1172 | 933  | 54.75 | 0.29 | 1.12 |
| 1706-2AB-14 | 2353 | 0.964 | Enamel | 1427 | 1010 | 55.05 | 0.25 | 1.13 |
| 1706-2AB-15 | 2534 | 1.039 | Dentin | 1536 | 1829 | 51.28 | 0.15 | 0.57 |
| 1706-2AB-16 | 2715 | 1.113 | Dentin | 1414 | 1690 | 51.28 | 0.15 | 0.57 |
| 1706-2AB-17 | 2896 | 1.187 | Dentin | 1704 | 1698 | 51.41 | 0.19 | 0.45 |
| 1706-2AB-18 | 3077 | 1.261 | Dentin | 1558 | 1730 | 50.74 | 0.11 | 0.40 |
| 1706-2AB-19 | 3258 | 1.335 | Dentin | 1582 | 1872 | 55.48 | 0.15 | 0.45 |
| 1706-2AB-20 | 3439 | 1.409 | Dentin | 1594 | 1861 | 55.95 | 0.19 | 0.57 |

|                    |                                  |                            |                   |   |  |  |  |  |
|--------------------|----------------------------------|----------------------------|-------------------|---|--|--|--|--|
| <b>Cat# 021-06</b> | <i>Hippopotamus</i><br><i>sp</i> | Lake Albert,<br>Nkondo Fm. | Molar<br>fragment | Surface Find; E30.8988124;<br>N1.41939191 |  |  |  |  |
|--------------------|----------------------------------|----------------------------|-------------------|---|--|--|--|--|

|             |      |       |        |      |      |       |      |      |
|-------------|------|-------|--------|------|------|-------|------|------|
| 2106-2AB-01 | 40   | 0.032 | Enamel | 523  | 454  | 54.60 | 0.22 | 0.77 |
| 2106-2AB-02 | 87   | 0.069 | Enamel | 346  | 411  | 54.94 | 0.20 | 0.73 |
| 2106-2AB-03 | 174  | 0.138 | Enamel | 560  | 373  | 54.76 | 0.15 | 0.69 |
| 2106-2AB-04 | 261  | 0.207 | Enamel | 618  | 370  | 54.82 | 0.18 | 0.81 |
| 2106-2AB-05 | 348  | 0.276 | Enamel | 589  | 361  | 55.07 | 0.17 | 0.78 |
| 2106-2AB-06 | 435  | 0.345 | Enamel | 567  | 365  | 54.48 | 0.21 | 0.82 |
| 2106-2AB-07 | 522  | 0.414 | Enamel | 586  | 369  | 55.12 | 0.17 | 0.82 |
| 2106-2AB-08 | 609  | 0.483 | Enamel | 597  | 376  | 54.80 | 0.21 | 0.80 |
| 2106-2AB-09 | 696  | 0.552 | Enamel | 594  | 352  | 55.44 | 0.17 | 0.83 |
| 2106-2AB-10 | 783  | 0.621 | Enamel | 657  | 393  | 54.77 | 0.19 | 0.95 |
| 2106-2AB-11 | 870  | 0.690 | Enamel |      |      | 54.58 | 0.19 | 0.96 |
| 2106-2AB-12 | 957  | 0.760 | Enamel | 793  | 427  | 55.12 | 0.22 | 1.10 |
| 2106-2AB-13 | 1044 | 0.829 | Enamel | 816  | 426  | 55.24 | 0.25 | 1.09 |
| 2106-2AB-14 | 1131 | 0.898 | Enamel | 872  | 444  | 54.92 | 0.21 | 1.07 |
| 2106-2AB-15 | 1218 | 0.967 | Enamel | 935  | 459  | 54.44 | 0.24 | 1.15 |
| 2106-2AB-16 | 1305 | 1.036 | Dentin | 1784 | 950  | 54.38 | 0.29 | 1.20 |
| 2106-2AB-17 | 1392 | 1.105 | Dentin | 2442 | 1205 | 53.13 | 0.16 | 0.53 |
| 2106-2AB-18 | 1479 | 1.174 | Dentin | 2626 | 1192 | 53.30 | 0.10 | 0.49 |
| 2106-2AB-19 | 1566 | 1.243 | Dentin | 2688 | 1201 | 53.22 | 0.12 | 0.57 |
| 2106-2AB-20 | 1653 | 1.312 | Dentin | 3213 | 1163 | 53.17 | 0.09 | 0.57 |

|             |     |       |        |      |     |       |      |      |
|-------------|-----|-------|--------|------|-----|-------|------|------|
| 2106-3AB-01 | 45  | 0.031 | Enamel | 1048 | 464 | 54.54 | 0.14 | 0.80 |
| 2106-3AB-02 | 94  | 0.065 | Enamel | 786  | 382 | 54.65 | 0.11 | 0.76 |
| 2106-3AB-03 | 188 | 0.129 | Enamel | 787  | 391 | 54.95 | 0.17 | 0.77 |
| 2106-3AB-04 | 282 | 0.194 | Enamel | 877  | 429 | 55.20 | 0.16 | 0.78 |
| 2106-3AB-05 | 376 | 0.258 | Enamel | 874  | 439 | 55.12 | 0.16 | 0.88 |
| 2106-3AB-06 | 470 | 0.323 | Enamel | 903  | 448 | 55.27 | 0.20 | 0.90 |
| 2106-3AB-07 | 564 | 0.388 | Enamel | 921  | 454 | 54.88 | 0.20 | 0.89 |

|             |      |       |        |      |      |       |      |      |
|-------------|------|-------|--------|------|------|-------|------|------|
| 2106-3AB-08 | 658  | 0.452 | Enamel | 990  | 473  | 54.77 | 0.19 | 0.92 |
| 2106-3AB-09 | 752  | 0.517 | Enamel | 1037 | 478  | 54.39 | 0.22 | 0.92 |
| 2106-3AB-10 | 846  | 0.581 | Enamel | 1111 | 500  | 54.74 | 0.20 | 0.94 |
| 2106-3AB-11 | 940  | 0.646 | Enamel | 1195 | 517  | 54.80 | 0.23 | 0.94 |
| 2106-3AB-12 | 1034 | 0.711 | Enamel | 1270 | 531  | 55.11 | 0.19 | 1.01 |
| 2106-3AB-13 | 1128 | 0.775 | Enamel | 1317 | 574  | 55.07 | 0.20 | 1.03 |
| 2106-3AB-14 | 1222 | 0.840 | Enamel | 1356 | 617  | 55.01 | 0.23 | 1.14 |
| 2106-3AB-15 | 1316 | 0.904 | Enamel | 1320 | 589  | 54.91 | 0.25 | 1.17 |
| 2106-3AB-16 | 1410 | 0.969 | Enamel | 1484 | 714  | 54.42 | 0.28 | 1.14 |
| 2106-3AB-17 | 1504 | 1.034 | Dentin | 2374 | 1259 | 54.67 | 0.26 | 1.23 |
| 2106-3AB-18 | 1598 | 1.098 | Dentin | 2513 | 1246 | 53.13 | 0.15 | 0.61 |
| 2106-3AB-19 | 1692 | 1.163 | Dentin | 2463 | 1240 | 53.30 | 0.13 | 0.55 |
| 2106-3AB-20 | 1786 | 1.227 | Dentin | 2415 | 1224 | 53.43 | 0.17 | 0.46 |

|                    |                                  |                            |                   |  |  |  |  |  |
|--------------------|----------------------------------|----------------------------|-------------------|--|--|--|--|--|
| <b>Cat# 050-06</b> | <i>Hippopotamus</i><br><i>sp</i> | Lake Albert,<br>Nkondo Fm. | tooth<br>fragment | Surface Find; E30.90277269;<br>N1.42103198 |  |  |  |  |
|--------------------|----------------------------------|----------------------------|-------------------|--|--|--|--|--|

|             |      |       |        |      |      |       |      |      |
|-------------|------|-------|--------|------|------|-------|------|------|
| 5006-1AB-01 | 50   | 0.025 | Enamel | 1390 | 730  | 54.60 | 0.22 | 0.77 |
| 5006-1AB-02 | 131  | 0.065 | Enamel | 1296 | 685  | 54.94 | 0.20 | 0.73 |
| 5006-1AB-03 | 262  | 0.129 | Enamel | 1632 | 749  | 54.76 | 0.15 | 0.69 |
| 5006-1AB-04 | 393  | 0.194 | Enamel | 1639 | 776  | 54.82 | 0.18 | 0.81 |
| 5006-1AB-05 | 524  | 0.258 | Enamel | 1738 | 819  | 55.07 | 0.17 | 0.78 |
| 5006-1AB-06 | 655  | 0.323 | Enamel | 1802 | 839  | 54.48 | 0.21 | 0.82 |
| 5006-1AB-07 | 786  | 0.387 | Enamel | 1864 | 870  | 55.12 | 0.17 | 0.82 |
| 5006-1AB-08 | 917  | 0.452 | Enamel | 1875 | 869  | 54.80 | 0.21 | 0.80 |
| 5006-1AB-09 | 1048 | 0.516 | Enamel | 1961 | 912  | 55.44 | 0.17 | 0.83 |
| 5006-1AB-10 | 1179 | 0.581 | Enamel | 1972 | 923  | 54.77 | 0.19 | 0.95 |
| 5006-1AB-11 | 1310 | 0.645 | Enamel | 2019 | 956  | 54.58 | 0.19 | 0.96 |
| 5006-1AB-12 | 1441 | 0.710 | Enamel | 1963 | 967  | 55.12 | 0.22 | 1.10 |
| 5006-1AB-13 | 1572 | 0.774 | Enamel | 2025 | 992  | 55.24 | 0.25 | 1.09 |
| 5006-1AB-14 | 1703 | 0.839 | Enamel | 2152 | 1043 | 54.92 | 0.21 | 1.07 |
| 5006-1AB-15 | 1834 | 0.903 | Enamel | 2129 | 1026 | 54.44 | 0.24 | 1.15 |
| 5006-1AB-16 | 1965 | 0.968 | Enamel |      | 1724 | 54.38 | 0.29 | 1.20 |
| 5006-1AB-17 | 2096 | 1.033 | Dentin | 1822 | 2243 | 53.13 | 0.16 | 0.53 |
| 5006-1AB-18 | 2227 | 1.097 | Dentin | 1547 | 2253 | 53.30 | 0.10 | 0.49 |
| 5006-1AB-19 | 2358 | 1.162 | Dentin | 1596 | 2252 | 53.22 | 0.12 | 0.57 |
| 5006-1AB-20 | 2489 | 1.226 | Dentin | 1387 | 2321 | 53.17 | 0.09 | 0.57 |

|            |      |       |        |      |     |       |      |      |
|------------|------|-------|--------|------|-----|-------|------|------|
| 50062AB-01 | 50   | 0.023 | Enamel | 1429 | 779 | 54.54 | 0.14 | 0.80 |
| 50062AB-02 | 131  | 0.061 | Enamel | 1751 | 794 | 54.65 | 0.11 | 0.76 |
| 50062AB-03 | 262  | 0.121 | Enamel | 1714 | 779 | 54.95 | 0.17 | 0.77 |
| 50062AB-04 | 393  | 0.182 | Enamel | 1685 | 793 | 55.20 | 0.16 | 0.78 |
| 50062AB-05 | 524  | 0.243 | Enamel | 1718 | 822 | 55.12 | 0.16 | 0.88 |
| 50062AB-06 | 655  | 0.303 | Enamel | 1771 | 856 | 55.27 | 0.20 | 0.90 |
| 50062AB-07 | 786  | 0.364 | Enamel | 1860 | 868 | 54.88 | 0.20 | 0.89 |
| 50062AB-08 | 917  | 0.425 | Enamel | 1851 | 881 | 54.77 | 0.19 | 0.92 |
| 50062AB-09 | 1048 | 0.485 | Enamel | 1888 | 917 | 54.39 | 0.22 | 0.92 |
| 50062AB-10 | 1179 | 0.546 | Enamel | 1942 | 941 | 54.74 | 0.20 | 0.94 |

|            |      |       |        |      |      |       |      |      |
|------------|------|-------|--------|------|------|-------|------|------|
| 50062AB-11 | 1310 | 0.606 | Enamel | 1958 | 935  | 54.80 | 0.23 | 0.94 |
| 50062AB-12 | 1441 | 0.667 | Enamel | 1973 | 974  | 55.11 | 0.19 | 1.01 |
| 50062AB-13 | 1572 | 0.728 | Enamel | 1825 | 954  | 55.07 | 0.20 | 1.03 |
| 50062AB-14 | 1703 | 0.788 | Enamel | 1684 | 940  | 55.01 | 0.23 | 1.14 |
| 50062AB-15 | 1834 | 0.849 | Enamel | 1520 | 949  | 54.91 | 0.25 | 1.17 |
| 50062AB-16 | 1965 | 0.910 | Enamel | 1676 | 963  | 54.42 | 0.28 | 1.14 |
| 50062AB-17 | 2096 | 0.970 | Enamel | 1997 | 1263 | 54.67 | 0.26 | 1.23 |
| 50062AB-18 | 2227 | 1.031 | Dentin | 1289 | 2256 | 53.13 | 0.15 | 0.61 |
| 50062AB-19 | 2358 | 1.092 | Dentin | 2450 | 2196 | 53.30 | 0.13 | 0.55 |
| 50062AB-20 | 2489 | 1.152 | Dentin | 1206 | 2282 | 53.43 | 0.17 | 0.46 |

|                    |                                  |                            |                   |   |  |  |  |  |
|--------------------|----------------------------------|----------------------------|-------------------|---|--|--|--|--|
| <b>Cat# 032-06</b> | <i>Hippopotamus</i><br><i>sp</i> | Lake Albert,<br>Nkondo Fm. | Molar<br>fragment | Surface Find; E30.8960314;<br>N1.41516716 |  |  |  |  |
|--------------------|----------------------------------|----------------------------|-------------------|---|--|--|--|--|

|             |      |       |        |      |      |       |      |      |
|-------------|------|-------|--------|------|------|-------|------|------|
| 3206-3AB-01 | 50   | 0.034 | Enamel | 411  | 300  | 55.05 | 0.14 | 0.58 |
| 3206-3AB-02 | 116  | 0.080 | Enamel | 430  | 326  | 54.80 | 0.22 | 0.77 |
| 3206-3AB-03 | 232  | 0.160 | Enamel | 484  | 348  | 54.15 | 0.22 | 0.83 |
| 3206-3AB-04 | 348  | 0.240 | Enamel | 532  | 369  | 54.55 | 0.28 | 0.88 |
| 3206-3AB-05 | 464  | 0.320 | Enamel | 615  | 412  | 54.54 | 0.30 | 0.88 |
| 3206-3AB-06 | 580  | 0.400 | Enamel | 699  | 451  | 54.78 | 0.28 | 0.88 |
| 3206-3AB-07 | 696  | 0.480 | Enamel | 771  | 491  | 54.07 | 0.25 | 0.99 |
| 3206-3AB-08 | 812  | 0.560 | Enamel | 806  | 520  | 54.47 | 0.25 | 0.98 |
| 3206-3AB-09 | 928  | 0.640 | Enamel | 835  | 531  | 53.99 | 0.24 | 1.05 |
| 3206-3AB-10 | 1044 | 0.720 | Enamel | 869  | 556  | 53.78 | 0.23 | 1.06 |
| 3206-3AB-11 | 1160 | 0.800 | Enamel | 946  | 575  | 54.18 | 0.26 | 1.11 |
| 3206-3AB-12 | 1276 | 0.880 | Enamel | 1023 | 581  | 53.53 | 0.28 | 1.16 |
| 3206-3AB-13 | 1392 | 0.960 | Enamel | 1249 | 653  | 53.96 | 0.26 | 1.20 |
| 3206-3AB-14 | 1508 | 1.040 | Dentin | 2848 | 2294 | 53.80 | 0.29 | 1.11 |
| 3206-3AB-15 | 1624 | 1.120 | Dentin | 2250 | 2274 | 54.40 | 0.28 | 1.32 |
| 3206-3AB-16 | 1740 | 1.200 | Dentin | 2681 | 2426 | 54.15 | 0.22 | 1.25 |
| 3206-3AB-17 | 1856 | 1.280 | Dentin | 2756 | 2464 | 52.51 | 0.28 | 0.62 |
| 3206-3AB-18 | 1972 | 1.360 | Dentin | 2676 | 2442 | 53.20 | 0.24 | 0.51 |
| 3206-3AB-19 | 2088 | 1.440 | Dentin | 2549 | 2357 | 53.25 | 0.19 | 0.59 |
| 3206-3AB-20 | 2204 | 1.520 | Dentin | 2504 | 2377 | 53.46 | 0.17 | 0.58 |

|            |      |       |        |      |     |       |      |      |
|------------|------|-------|--------|------|-----|-------|------|------|
| 32062AB-01 | 50   | 0.015 | Enamel | 423  | 260 | 53.68 | 0.18 | 0.57 |
| 32062AB-02 | 265  | 0.080 | Enamel | 617  | 364 | 54.59 | 0.23 | 0.70 |
| 32062AB-03 | 530  | 0.160 | Enamel | 691  | 406 | 54.51 | 0.18 | 0.65 |
| 32062AB-04 | 795  | 0.240 | Enamel | 780  | 434 | 54.95 | 0.22 | 0.77 |
| 32062AB-05 | 1060 | 0.320 | Enamel | 800  | 447 | 54.42 | 0.23 | 0.85 |
| 32062AB-06 | 1325 | 0.400 | Enamel | 872  | 467 | 54.20 | 0.24 | 0.89 |
| 32062AB-07 | 1590 | 0.480 | Enamel | 915  | 492 | 55.00 | 0.23 | 0.90 |
| 32062AB-08 | 1855 | 0.560 | Enamel | 936  | 521 | 54.77 | 0.20 | 0.97 |
| 32062AB-09 | 2120 | 0.640 | Enamel | 952  | 542 | 55.02 | 0.18 | 1.01 |
| 32062AB-10 | 2385 | 0.721 | Enamel | 979  | 565 | 54.84 | 0.21 | 0.97 |
| 32062AB-11 | 2650 | 0.801 | Enamel | 994  | 567 | 54.52 | 0.27 | 1.06 |
| 32062AB-12 | 2915 | 0.881 | Enamel | 1004 | 556 | 54.88 | 0.23 | 1.12 |
| 32062AB-13 | 3180 | 0.961 | Enamel | 990  | 576 | 54.32 | 0.20 | 1.27 |

|            |      |       |        |      |      |       |      |      |
|------------|------|-------|--------|------|------|-------|------|------|
| 32062AB-14 | 3445 | 1.041 | dentin | 2316 | 2403 | 54.45 | 0.22 | 1.19 |
| 32062AB-15 | 3710 | 1.121 | dentin | 2260 | 2348 | 54.16 | 0.25 | 1.15 |
| 32062AB-16 | 3975 | 1.201 | dentin | 2245 | 2320 | 53.23 | 0.22 | 1.20 |
| 32062AB-17 | 4240 | 1.281 | dentin | 2415 | 2491 | 53.06 | 0.24 | 0.69 |
| 32062AB-18 | 4505 | 1.361 | dentin | 2450 | 2444 | 52.60 | 0.18 | 0.63 |
| 32062AB-19 | 4770 | 1.441 | dentin | 2481 | 2547 | 52.95 | 0.17 | 0.61 |
| 32062AB-20 | 5035 | 1.521 | dentin | 2873 | 2266 | 53.27 | 0.21 | 0.53 |

|               |                                  |                            |                   |   |  |  |  |  |
|---------------|----------------------------------|----------------------------|-------------------|---|--|--|--|--|
| <b>GSP421</b> | <i>Hippopotamus</i><br><i>sp</i> | Lake Albert,<br>Kagusa Mb. | Molar<br>fragment | Surface Find; E30° 18.836';<br>N0000° 59.652' |  |  |  |  |
|---------------|----------------------------------|----------------------------|-------------------|---|--|--|--|--|

|              |      |       |        |     |      |       |      |      |
|--------------|------|-------|--------|-----|------|-------|------|------|
| GSP421-1 AB- | 50   | 0.014 | Enamel | 425 | 981  | 54.85 | 0.15 | 0.48 |
| GSP421-1 AB- | 166  | 0.048 | Enamel | 400 | 1034 | 55.06 | 0.16 | 0.43 |
| GSP421-1 AB- | 282  | 0.082 | Enamel | 737 | 1151 | 54.77 | 0.17 | 0.48 |
| GSP421-1 AB- | 398  | 0.115 | Enamel | 390 | 863  | 53.90 | 0.18 | 0.47 |
| GSP421-1 AB- | 514  | 0.149 | Enamel | 253 | 408  | 52.04 | 0.17 | 0.62 |
| GSP421-1 AB- | 630  | 0.183 | Enamel | 164 | 380  | 53.84 | 0.20 | 0.60 |
| GSP421-1 AB- | 746  | 0.216 | Enamel | 149 | 367  | 53.96 | 0.22 | 0.64 |
| GSP421-1 AB- | 862  | 0.250 | Enamel | 149 | 357  | 54.04 | 0.24 | 0.68 |
| GSP421-1 AB- | 978  | 0.283 | Enamel | 139 | 350  | 53.61 | 0.26 | 0.73 |
| GSP421-1 AB- | 1094 | 0.317 | Enamel | 138 | 358  | 54.40 | 0.23 | 0.80 |
| GSP421-1 AB- | 1210 | 0.351 | Enamel | 142 | 368  | 54.51 | 0.22 | 0.80 |
| GSP421-1 AB- | 1326 | 0.384 | Enamel | 142 | 365  | 54.40 | 0.22 | 0.87 |
| GSP421-1 AB- | 1442 | 0.418 | Enamel | 140 | 361  | 54.17 | 0.22 | 0.84 |
| GSP421-1 AB- | 1558 | 0.452 | Enamel | 141 | 369  | 54.68 | 0.24 | 0.84 |
| GSP421-1 AB- | 1674 | 0.485 | Enamel | 142 | 375  | 54.71 | 0.25 | 0.90 |
| GSP421-1 AB- | 1790 | 0.519 | Enamel | 144 | 376  | 54.31 | 0.23 | 0.98 |
| GSP421-1 AB- | 1906 | 0.552 | Enamel | 140 | 382  | 54.39 | 0.25 | 0.93 |
| GSP421-1 AB- | 2022 | 0.586 | Enamel | 143 | 379  | 54.65 | 0.25 | 1.01 |
| GSP421-1 AB- | 2138 | 0.620 | Enamel | 152 | 401  | 54.42 | 0.25 | 0.93 |
| GSP421-1 AB- | 2254 | 0.653 | Enamel | 160 | 417  | 54.51 | 0.28 | 1.07 |
| GSP421-1 AB- | 2370 | 0.687 | Enamel | 160 | 408  | 53.67 | 0.30 | 1.09 |
| GSP421-1 AB- | 2486 | 0.721 | Enamel | 156 | 409  | 54.08 | 0.32 | 1.10 |
| GSP421-1 AB- | 2602 | 0.754 | Enamel | 153 | 413  | 53.60 | 0.31 | 1.21 |
| GSP421-1 AB- | 2718 | 0.788 | Enamel | 158 | 423  | 53.48 | 0.32 | 1.18 |
| GSP421-1 AB- | 2834 | 0.821 | Enamel | 159 | 434  | 53.39 | 0.32 | 1.08 |
| GSP421-1 AB- | 2950 | 0.855 | Enamel | 167 | 445  | 53.34 | 0.34 | 1.15 |
| GSP421-1 AB- | 3066 | 0.889 | Enamel | 181 | 466  | 53.18 | 0.30 | 1.19 |
| GSP421-1 AB- | 3182 | 0.922 | Enamel | 192 | 481  | 53.27 | 0.34 | 1.28 |
| GSP421-1 AB- | 3298 | 0.956 | Enamel | 197 | 488  | 53.43 | 0.36 | 1.28 |
| GSP421-1 AB- | 3414 | 0.990 | Enamel | 333 | 568  | 54.25 | 0.37 | 1.31 |
|              |      |       |        |     |      |       |      |      |
| GPS421-2 AB- | 50   | 0.019 | Enamel | 584 | 1050 | 53.10 | 0.13 | 0.50 |
| GPS421-2 AB- | 138  | 0.052 | Enamel | 478 | 934  | 51.95 | 0.13 | 0.47 |
| GPS421-2 AB- | 226  | 0.085 | Enamel | 352 | 973  | 52.61 | 0.17 | 0.52 |
| GPS421-2 AB- | 314  | 0.118 | Enamel | 236 | 972  | 52.68 | 0.22 | 0.50 |
| GPS421-2 AB- | 402  | 0.152 | Enamel | 287 | 928  | 53.28 | 0.18 | 0.56 |
| GPS421-2 AB- | 490  | 0.185 | Enamel | 222 | 828  | 52.03 | 0.23 | 0.61 |

|              |      |       |        |     |     |       |      |      |
|--------------|------|-------|--------|-----|-----|-------|------|------|
| GPS421-2 AB- | 578  | 0.218 | Enamel | 212 | 761 | 52.45 | 0.21 | 0.70 |
| GPS421-2 AB- | 666  | 0.251 | Enamel | 205 | 734 | 53.31 | 0.18 | 0.68 |
| GPS421-2 AB- | 754  | 0.285 | Enamel | 197 | 691 | 53.25 | 0.19 | 0.68 |
| GPS421-2 AB- | 842  | 0.318 | Enamel | 193 | 610 | 53.12 | 0.18 | 0.67 |
| GPS421-2 AB- | 930  | 0.351 | Enamel | 185 | 594 | 52.97 | 0.21 | 0.72 |
| GPS421-2 AB- | 1018 | 0.384 | Enamel | 177 | 577 | 52.54 | 0.21 | 0.72 |
| GPS421-2 AB- | 1106 | 0.417 | Enamel | 171 | 558 | 52.46 | 0.17 | 0.77 |
| GPS421-2 AB- | 1194 | 0.451 | Enamel | 175 | 558 | 52.81 | 0.19 | 0.75 |
| GPS421-2 AB- | 1282 | 0.484 | Enamel | 175 | 596 | 53.56 | 0.19 | 0.81 |
| GPS421-2 AB- | 1370 | 0.517 | Enamel | 163 | 632 | 52.74 | 0.20 | 0.84 |
| GPS421-2 AB- | 1458 | 0.550 | Enamel | 169 | 655 | 53.12 | 0.21 | 0.75 |
| GPS421-2 AB- | 1546 | 0.583 | Enamel | 175 | 681 | 53.04 | 0.23 | 0.75 |
| GPS421-2 AB- | 1634 | 0.617 | Enamel | 181 | 689 | 53.85 | 0.19 | 0.74 |
| GPS421-2 AB- | 1722 | 0.650 | Enamel | 185 | 670 | 54.01 | 0.23 | 0.81 |
| GPS421-2 AB- | 1810 | 0.683 | Enamel | 187 | 650 | 52.94 | 0.23 | 0.92 |
| GPS421-2 AB- | 1898 | 0.716 | Enamel | 197 | 643 | 53.51 | 0.21 | 0.79 |
| GPS421-2 AB- | 1986 | 0.749 | Enamel | 165 | 633 | 53.48 | 0.22 | 0.79 |
| GPS421-2 AB- | 2074 | 0.783 | Enamel | 175 | 697 | 53.80 | 0.27 | 0.94 |
| GPS421-2 AB- | 2162 | 0.816 | Enamel | 200 | 712 | 53.73 | 0.20 | 0.87 |
| GPS421-2 AB- | 2250 | 0.849 | Enamel | 211 | 743 | 52.61 | 0.27 | 0.92 |
| GPS421-2 AB- | 2338 | 0.882 | Enamel | 214 | 740 | 53.60 | 0.25 | 1.02 |
| GPS421-2 AB- | 2426 | 0.915 | Enamel | 206 | 731 | 53.21 | 0.23 | 0.96 |
| GPS421-2 AB- | 2514 | 0.949 | Enamel | 199 | 811 | 52.49 | 0.27 | 0.95 |
| GPS421-2 AB- | 2602 | 0.982 | Enamel | 226 | 853 | 52.34 | 0.28 | 0.91 |

|               |                     |                             |                         |   |  |  |  |  |
|---------------|---------------------|-----------------------------|-------------------------|---|--|--|--|--|
| <b>GSP405</b> | <i>Hippopotamus</i> | Lake Albert,<br>Warwire Fm. | Molar<br>M3<br>fragment | Surface Find; E30° 52.925'<br>N001° 24.398' |  |  |  |  |
|---------------|---------------------|-----------------------------|-------------------------|---|--|--|--|--|

|              |      |       |        |     |     |       |      |      |
|--------------|------|-------|--------|-----|-----|-------|------|------|
| GPS405-1 AB- | 50   | 0.020 | Enamel | 458 | 560 | 50.39 | 0.12 | 0.49 |
| GPS405-1 AB- | 148  | 0.060 | Enamel | 605 | 673 | 53.90 | 0.17 | 0.71 |
| GPS405-1 AB- | 246  | 0.100 | Enamel | 588 | 736 | 53.92 | 0.13 | 0.83 |
| GPS405-1 AB- | 344  | 0.140 | Enamel | 590 | 714 | 54.06 | 0.15 | 0.76 |
| GPS405-1 AB- | 442  | 0.180 | Enamel | 543 | 659 | 54.13 | 0.18 | 0.77 |
| GPS405-1 AB- | 540  | 0.220 | Enamel | 484 | 658 | 54.21 | 0.18 | 0.80 |
| GPS405-1 AB- | 638  | 0.260 | Enamel | 446 | 640 | 54.59 | 0.18 | 0.80 |
| GPS405-1 AB- | 736  | 0.300 | Enamel | 437 | 601 | 54.34 | 0.19 | 0.77 |
| GPS405-1 AB- | 834  | 0.340 | Enamel | 473 | 685 | 54.10 | 0.20 | 0.92 |
| GPS405-1 AB- | 932  | 0.380 | Enamel | 492 | 720 | 54.09 | 0.20 | 0.92 |
| GPS405-1 AB- | 1030 | 0.420 | Enamel | 537 | 690 | 54.04 | 0.19 | 0.97 |
| GPS405-1 AB- | 1128 | 0.460 | Enamel | 577 | 689 | 53.83 | 0.23 | 1.01 |
| GPS405-1 AB- | 1226 | 0.500 | Enamel | 576 | 686 | 53.89 | 0.21 | 1.08 |
| GPS405-1 AB- | 1324 | 0.540 | Enamel | 539 | 698 | 53.90 | 0.23 | 1.00 |
| GPS405-1 AB- | 1422 | 0.580 | Enamel | 570 | 726 | 54.25 | 0.25 | 1.06 |
| GPS405-1 AB- | 1520 | 0.620 | Enamel | 607 | 768 | 53.89 | 0.23 | 1.08 |
| GPS405-1 AB- | 1618 | 0.660 | Enamel | 667 | 817 | 53.75 | 0.24 | 1.09 |
| GPS405-1 AB- | 1716 | 0.700 | Enamel | 666 | 846 | 54.14 | 0.22 | 1.18 |
| GPS405-1 AB- | 1814 | 0.740 | Enamel | 665 | 877 | 53.80 | 0.23 | 1.22 |

|              |      |       |        |      |      |       |      |      |
|--------------|------|-------|--------|------|------|-------|------|------|
| GPS405-1 AB- | 1912 | 0.780 | Enamel | 681  | 891  | 53.89 | 0.23 | 1.11 |
| GPS405-1 AB- | 2010 | 0.820 | Enamel | 691  | 892  | 53.76 | 0.24 | 1.21 |
| GPS405-1 AB- | 2108 | 0.860 | Enamel | 653  | 862  | 54.28 | 0.24 | 1.21 |
| GPS405-1 AB- | 2206 | 0.900 | Enamel | 717  | 910  | 53.93 | 0.31 | 1.22 |
| GPS405-1 AB- | 2304 | 0.940 | Enamel | 795  | 965  | 53.91 | 0.26 | 1.31 |
| GPS405-1 AB- | 2402 | 0.980 | Enamel | 925  | 1193 | 54.43 | 0.29 | 1.47 |
| GPS405-1 AB- | 2500 | 1.020 | Dentin | 1014 | 1233 | 54.07 | 0.21 | 0.54 |
| GPS405-1 AB- | 2598 | 1.060 | Dentin | 1054 | 1282 | 54.27 | 0.20 | 0.53 |
| GPS405-1 AB- | 2696 | 1.100 | Dentin | 1099 | 1253 | 52.08 | 0.21 | 0.52 |
| GPS405-1 AB- | 2794 | 1.140 | Dentin | 1135 | 1244 | 53.73 | 0.18 | 0.52 |
| GPS405-1 AB- | 2892 | 1.180 | Dentin | 1795 | 1252 | 51.79 | 0.27 | 0.50 |
| GPS405-2 AB- | 50   | 0.017 | Enamel | 518  | 800  | 50.01 | 0.10 | 0.48 |
| GPS405-2 AB- | 175  | 0.061 | Enamel | 492  | 768  | 53.94 | 0.21 | 0.64 |
| GPS405-2 AB- | 300  | 0.105 | Enamel | 495  | 737  | 53.61 | 0.20 | 0.72 |
| GPS405-2 AB- | 425  | 0.149 | Enamel | 488  | 711  | 53.71 | 0.23 | 0.77 |
| GPS405-2 AB- | 550  | 0.192 | Enamel | 461  | 720  | 54.57 | 0.23 | 0.77 |
| GPS405-2 AB- | 675  | 0.236 | Enamel | 444  | 698  | 54.02 | 0.26 | 0.83 |
| GPS405-2 AB- | 800  | 0.280 | Enamel | 465  | 696  | 54.39 | 0.26 | 0.87 |
| GPS405-2 AB- | 925  | 0.323 | Enamel | 467  | 683  | 54.25 | 0.26 | 0.94 |
| GPS405-2 AB- | 1050 | 0.367 | Enamel | 492  | 698  | 54.64 | 0.22 | 0.90 |
| GPS405-2 AB- | 1175 | 0.411 | Enamel | 541  | 724  | 54.47 | 0.22 | 0.95 |
| GPS405-2 AB- | 1300 | 0.455 | Enamel | 578  | 774  | 54.03 | 0.22 | 0.94 |
| GPS405-2 AB- | 1425 | 0.498 | Enamel | 585  | 773  | 53.95 | 0.25 | 1.05 |
| GPS405-2 AB- | 1550 | 0.542 | Enamel | 598  | 783  | 53.90 | 0.26 | 1.18 |
| GPS405-2 AB- | 1675 | 0.586 | Enamel | 645  | 806  | 53.94 | 0.24 | 1.09 |
| GPS405-2 AB- | 1800 | 0.629 | Enamel | 667  | 853  | 54.16 | 0.25 | 1.21 |
| GPS405-2 AB- | 1925 | 0.673 | Enamel | 650  | 853  | 53.84 | 0.24 | 1.19 |
| GPS405-2 AB- | 2050 | 0.717 | Enamel | 689  | 894  | 54.38 | 0.23 | 1.13 |
| GPS405-2 AB- | 2175 | 0.760 | Enamel | 673  | 885  | 54.55 | 0.28 | 1.22 |
| GPS405-2 AB- | 2300 | 0.804 | Enamel | 696  | 894  | 54.52 | 0.26 | 1.23 |
| GPS405-2 AB- | 2425 | 0.848 | Enamel | 704  | 895  | 54.44 | 0.27 | 1.23 |
| GPS405-2 AB- | 2550 | 0.892 | Enamel | 738  | 935  | 54.47 | 0.29 | 1.35 |
| GPS405-2 AB- | 2675 | 0.935 | Enamel | 793  | 999  | 54.88 | 0.27 | 1.39 |
| GPS405-2 AB- | 2800 | 0.979 | Enamel | 993  | 1217 | 54.68 | 0.28 | 1.33 |
| GPS405-2 AB- | 2925 | 1.023 | Dentin | 1006 | 1194 | 53.49 | 0.28 | 0.51 |
| GPS405-2 AB- | 3050 | 1.066 | Dentin | 1021 | 1204 | 53.81 | 0.24 | 0.50 |
| GPS405-2 AB- | 3175 | 1.110 | Dentin | 999  | 1208 | 54.73 | 0.21 | 0.50 |
| GPS405-2 AB- | 3300 | 1.154 | Dentin | 514  | 793  | 54.26 | 0.21 | 0.52 |
| GPS405-2 AB- | 3425 | 1.198 | Dentin | 1022 | 1198 | 54.76 | 0.24 | 0.43 |
| GPS405-2 AB- | 3550 | 1.241 | Dentin | 996  | 1240 | 52.98 | 0.23 | 0.55 |
| GPS405-2 AB- | 3675 | 1.285 | Dentin | 978  | 1197 | 54.79 | 0.23 | 0.48 |

|               |                     |              |          |                            |  |  |  |  |
|---------------|---------------------|--------------|----------|----------------------------|--|--|--|--|
| <b>GSP396</b> | <i>Hippopotamus</i> | Lake Albert, | molar P  | Surface Find; E30° 55.318' |  |  |  |  |
|               | <i>sp</i>           | Warwire Fm.  | fragment | N01° 25.608'               |  |  |  |  |

|              |     |       |        |     |     |       |      |      |
|--------------|-----|-------|--------|-----|-----|-------|------|------|
| GPS396-1 AB- | 50  | 0.020 | Enamel | 458 | 560 | 54.20 | 0.10 | 0.50 |
| GPS396-1 AB- | 148 | 0.060 | Enamel | 605 | 673 | 54.30 | 0.12 | 0.50 |

|              |      |       |        |      |      |       |      |      |
|--------------|------|-------|--------|------|------|-------|------|------|
| GPS396-1 AB- | 246  | 0.100 | Enamel | 588  | 736  | 54.35 | 0.12 | 0.46 |
| GPS396-1 AB- | 344  | 0.140 | Enamel | 590  | 714  | 54.37 | 0.16 | 0.56 |
| GPS396-1 AB- | 442  | 0.180 | Enamel | 543  | 659  | 54.16 | 0.15 | 0.54 |
| GPS396-1 AB- | 540  | 0.220 | Enamel | 484  | 658  | 54.14 | 0.15 | 0.49 |
| GPS396-1 AB- | 638  | 0.260 | Enamel | 446  | 640  | 53.34 | 0.17 | 0.51 |
| GPS396-1 AB- | 736  | 0.300 | Enamel | 437  | 601  | 49.71 | 0.16 | 0.52 |
| GPS396-1 AB- | 834  | 0.340 | Enamel | 473  | 685  | 54.50 | 0.15 | 0.58 |
| GPS396-1 AB- | 932  | 0.380 | Enamel | 492  | 720  | 54.32 | 0.18 | 0.65 |
| GPS396-1 AB- | 1030 | 0.420 | Enamel | 537  | 690  | 54.49 | 0.15 | 0.62 |
| GPS396-1 AB- | 1128 | 0.460 | Enamel | 577  | 689  | 54.33 | 0.16 | 0.60 |
| GPS396-1 AB- | 1226 | 0.500 | Enamel | 576  | 686  | 52.98 | 0.20 | 0.64 |
| GPS396-1 AB- | 1324 | 0.540 | Enamel | 539  | 698  | 52.15 | 0.22 | 0.59 |
| GPS396-1 AB- | 1422 | 0.580 | Enamel | 570  | 726  | 54.14 | 0.18 | 0.71 |
| GPS396-1 AB- | 1520 | 0.620 | Enamel | 607  | 768  | 54.56 | 0.19 | 0.67 |
| GPS396-1 AB- | 1618 | 0.660 | Enamel | 667  | 817  | 53.64 | 0.22 | 0.72 |
| GPS396-1 AB- | 1716 | 0.700 | Enamel | 666  | 846  | 53.16 | 0.12 | 0.51 |
| GPS396-1 AB- | 1814 | 0.740 | Enamel | 665  | 877  | 53.58 | 0.17 | 0.63 |
| GPS396-1 AB- | 1912 | 0.780 | Enamel | 681  | 891  | 53.55 | 0.21 | 0.65 |
| GPS396-1 AB- | 2010 | 0.820 | Enamel | 691  | 892  | 54.12 | 0.17 | 0.69 |
| GPS396-1 AB- | 2108 | 0.860 | Enamel | 653  | 862  | 53.52 | 0.19 | 0.78 |
| GPS396-1 AB- | 2206 | 0.900 | Enamel | 717  | 910  | 53.37 | 0.18 | 0.73 |
| GPS396-1 AB- | 2304 | 0.940 | Enamel | 795  | 965  | 53.31 | 0.19 | 0.77 |
| GPS396-1 AB- | 2402 | 0.980 | Enamel | 925  | 1193 | 52.78 | 0.15 | 0.70 |
| GPS396-1 AB- | 2500 | 1.020 | dentin | 1014 | 1233 | 52.41 | 0.11 | 0.37 |
| GPS396-1 AB- | 2598 | 1.060 | dentin | 1054 | 1282 | 52.90 | 0.11 | 0.34 |
| GPS396-1 AB- | 2696 | 1.100 | dentin | 1099 | 1253 | 52.86 | 0.10 | 0.39 |
| GPS396-1 AB- | 2794 | 1.140 | dentin | 1135 | 1244 | 52.88 | 0.12 | 0.44 |
| GPS396-1 AB- | 2892 | 1.180 | dentin | 1795 | 1252 | 53.07 | 0.10 | 0.43 |
| GPS396-2 AB- | 50   | 0.017 | Enamel | 518  | 800  | 53.43 | 0.10 | 0.56 |
| GPS396-2 AB- | 150  | 0.050 | Enamel | 492  | 768  | 53.96 | 0.14 | 0.46 |
| GPS396-2 AB- | 250  | 0.083 | Enamel | 495  | 737  | 54.14 | 0.14 | 0.49 |
| GPS396-2 AB- | 350  | 0.117 | Enamel | 488  | 711  | 53.52 | 0.15 | 0.43 |
| GPS396-2 AB- | 450  | 0.150 | Enamel | 461  | 720  | 54.03 | 0.13 | 0.49 |
| GPS396-2 AB- | 550  | 0.183 | Enamel | 444  | 698  | 53.94 | 0.16 | 0.51 |
| GPS396-2 AB- | 650  | 0.217 | Enamel | 465  | 696  | 53.55 | 0.16 | 0.57 |
| GPS396-2 AB- | 750  | 0.250 | Enamel | 467  | 683  | 53.77 | 0.18 | 0.57 |
| GPS396-2 AB- | 850  | 0.283 | Enamel | 492  | 698  | 53.90 | 0.16 | 0.63 |
| GPS396-2 AB- | 950  | 0.317 | Enamel | 541  | 724  | 53.90 | 0.15 | 0.59 |
| GPS396-2 AB- | 1050 | 0.350 | Enamel | 578  | 774  | 53.60 | 0.13 | 0.42 |
| GPS396-2 AB- | 1150 | 0.383 | Enamel | 585  | 773  | 53.78 | 0.18 | 0.61 |
| GPS396-2 AB- | 1250 | 0.417 | Enamel | 598  | 783  | 53.90 | 0.16 | 0.68 |
| GPS396-2 AB- | 1350 | 0.450 | Enamel | 645  | 806  | 53.88 | 0.18 | 0.76 |
| GPS396-2 AB- | 1450 | 0.483 | Enamel | 667  | 853  | 53.60 | 0.20 | 0.80 |
| GPS396-2 AB- | 1550 | 0.517 | Enamel | 650  | 853  | 53.59 | 0.19 | 0.71 |
| GPS396-2 AB- | 1650 | 0.550 | Enamel | 689  | 894  | 53.48 | 0.18 | 0.78 |
| GPS396-2 AB- | 1750 | 0.583 | Enamel | 673  | 885  | 53.53 | 0.16 | 0.62 |

|              |      |       |        |      |      |       |      |      |
|--------------|------|-------|--------|------|------|-------|------|------|
| GPS396-2 AB- | 1850 | 0.617 | Enamel | 696  | 894  | 53.53 | 0.16 | 0.62 |
| GPS396-2 AB- | 1950 | 0.650 | Enamel | 704  | 895  | 53.52 | 0.16 | 0.62 |
| GPS396-2 AB- | 2050 | 0.683 | Enamel | 738  | 935  | 53.52 | 0.16 | 0.62 |
| GPS396-2 AB- | 2150 | 0.717 | Enamel | 793  | 999  | 53.52 | 0.16 | 0.62 |
| GPS396-2 AB- | 2250 | 0.750 | Enamel | 993  | 1217 | 53.52 | 0.16 | 0.62 |
| GPS396-2 AB- | 2350 | 0.783 | Enamel | 1006 | 1194 | 53.51 | 0.16 | 0.62 |
| GPS396-2 AB- | 2450 | 0.817 | Enamel | 1021 | 1204 | 53.51 | 0.16 | 0.63 |
| GPS396-2 AB- | 2550 | 0.850 | Enamel | 999  | 1208 | 53.51 | 0.16 | 0.63 |
| GPS396-2 AB- | 2650 | 0.883 | Enamel | 514  | 793  | 53.50 | 0.16 | 0.63 |
| GPS396-2 AB- | 2750 | 0.917 | Enamel | 1022 | 1198 | 53.50 | 0.16 | 0.63 |
| GPS396-2 AB- | 2850 | 0.950 | Enamel | 996  | 1240 | 53.50 | 0.16 | 0.63 |
| GPS396-2 AB- | 2950 | 0.983 | Enamel | 978  | 1197 | 53.49 | 0.16 | 0.63 |

|               |                     |                             |                   |   |  |  |  |  |
|---------------|---------------------|-----------------------------|-------------------|---|--|--|--|--|
| <b>GSP387</b> | <i>Hippopotamus</i> | Lake Albert,<br>Warwire Fm. | molar<br>fragment | Surface Find; E030.92718°<br>N01.45365° |  |  |  |  |
|---------------|---------------------|-----------------------------|-------------------|---|--|--|--|--|

|              |      |       |        |     |     |       |      |      |
|--------------|------|-------|--------|-----|-----|-------|------|------|
| GPS387-AB-1  | 38   | 0.017 | Enamel | 307 | 579 | 53.00 | 0.13 | 0.58 |
| GPS387-AB-2  | 76   | 0.034 | Enamel | 572 | 540 | 54.22 | 0.16 | 0.65 |
| GPS387-AB-3  | 152  | 0.068 | Enamel | 620 | 492 | 54.31 | 0.20 | 0.69 |
| GPS387-AB-4  | 228  | 0.101 | Enamel | 620 | 479 | 53.99 | 0.19 | 0.75 |
| GPS387-AB-5  | 304  | 0.135 | Enamel | 647 | 472 | 54.32 | 0.17 | 0.69 |
| GPS387-AB-6  | 380  | 0.169 | Enamel | 653 | 483 | 54.14 | 0.19 | 0.75 |
| GPS387-AB-7  | 456  | 0.203 | Enamel | 643 | 483 | 54.15 | 0.17 | 0.76 |
| GPS387-AB-8  | 532  | 0.236 | Enamel | 648 | 501 | 54.49 | 0.20 | 0.76 |
| GPS387-AB-9  | 608  | 0.270 | Enamel | 614 | 481 | 54.01 | 0.18 | 0.78 |
| GPS387-AB-10 | 684  | 0.304 | Enamel | 604 | 484 | 54.49 | 0.19 | 0.79 |
| GPS387-AB-11 | 760  | 0.338 | Enamel | 609 | 483 | 54.68 | 0.23 | 0.76 |
| GPS387-AB-12 | 836  | 0.372 | Enamel | 635 | 494 | 54.32 | 0.21 | 0.88 |
| GPS387-AB-13 | 912  | 0.405 | Enamel | 659 | 511 | 54.15 | 0.22 | 0.87 |
| GPS387-AB-14 | 988  | 0.439 | Enamel | 685 | 519 | 53.87 | 0.22 | 0.83 |
| GPS387-AB-15 | 1064 | 0.473 | Enamel | 701 | 533 | 54.26 | 0.22 | 0.83 |
| GPS387-AB-16 | 1140 | 0.507 | Enamel | 730 | 542 | 54.12 | 0.24 | 0.95 |
| GPS387-AB-17 | 1216 | 0.540 | Enamel | 747 | 537 | 53.99 | 0.24 | 0.94 |
| GPS387-AB-18 | 1292 | 0.574 | Enamel | 765 | 539 | 54.39 | 0.21 | 1.02 |
| GPS387-AB-19 | 1368 | 0.608 | Enamel | 796 | 556 | 54.63 | 0.24 | 1.08 |
| GPS387-AB-20 | 1444 | 0.642 | Enamel | 795 | 565 | 54.36 | 0.24 | 1.01 |
| GPS387-AB-21 | 1520 | 0.676 | Enamel | 813 | 586 | 54.51 | 0.26 | 0.97 |
| GPS387-AB-22 | 1596 | 0.709 | Enamel | 819 | 584 | 54.42 | 0.25 | 1.07 |
| GPS387-AB-23 | 1672 | 0.743 | Enamel | 801 | 577 | 54.35 | 0.24 | 1.04 |
| GPS387-AB-24 | 1748 | 0.777 | Enamel | 821 | 601 | 54.29 | 0.23 | 1.04 |
| GPS387-AB-25 | 1824 | 0.811 | Enamel | 797 | 606 | 53.77 | 0.23 | 1.13 |
| GPS387-AB-26 | 1900 | 0.844 | Enamel | 716 | 635 | 53.75 | 0.26 | 1.18 |
| GPS387-AB-27 | 1976 | 0.878 | Enamel | 690 | 633 | 54.12 | 0.27 | 1.23 |
| GPS387-AB-28 | 2052 | 0.912 | Enamel | 714 | 654 | 53.89 | 0.26 | 1.22 |
| GPS387-AB-29 | 2128 | 0.946 | Enamel | 693 | 674 | 54.27 | 0.27 | 1.15 |
| GPS387-AB-30 | 2204 | 0.980 | Enamel | 714 | 699 | 54.59 | 0.19 | 0.52 |

| <b>Cat# 028-06</b> | <i>Hippopotamus sp</i> | Lake Albert, Nkondo Fm. | Molar fragment | Surface Find; E30.8829189 N1.401738233 |      |       |      |      |
|--------------------|------------------------|-------------------------|----------------|--|------|-------|------|------|
| 2806-1CD-01        | 50                     | 0.021                   | Enamel         | 669                                    | 634  | 55.12 | 0.11 | 0.64 |
| 2806-1CD-02        | 152                    | 0.065                   | Enamel         | 732                                    | 598  | 54.80 | 0.18 | 0.53 |
| 2806-1CD-03        | 304                    | 0.129                   | Enamel         | 692                                    | 602  | 54.28 | 0.21 | 0.64 |
| 2806-1CD-04        | 456                    | 0.194                   | Enamel         | 695                                    | 625  | 55.04 | 0.15 | 0.69 |
| 2806-1CD-05        | 608                    | 0.259                   | Enamel         | 708                                    | 604  | 55.22 | 0.16 | 0.73 |
| 2806-1CD-06        | 760                    | 0.323                   | Enamel         | 658                                    | 586  | 54.86 | 0.18 | 0.75 |
| 2806-1CD-07        | 912                    | 0.388                   | Enamel         | 751                                    | 563  | 55.07 | 0.15 | 0.76 |
| 2806-1CD-08        | 1064                   | 0.453                   | Enamel         | 734                                    | 589  | 54.47 | 0.20 | 0.82 |
| 2806-1CD-09        | 1216                   | 0.517                   | Enamel         | 837                                    | 598  | 54.81 | 0.20 | 0.77 |
| 2806-1CD-10        | 1368                   | 0.582                   | Enamel         | 810                                    | 607  | 55.12 | 0.21 | 0.82 |
| 2806-1CD-11        | 1520                   | 0.647                   | Enamel         | 840                                    | 624  | 54.97 | 0.20 | 0.80 |
| 2806-1CD-12        | 1672                   | 0.711                   | Enamel         | 850                                    | 645  | 55.39 | 0.20 | 0.87 |
| 2806-1CD-13        | 1824                   | 0.776                   | Enamel         | 745                                    | 632  | 55.25 | 0.22 | 0.87 |
| 2806-1CD-14        | 1976                   | 0.841                   | Enamel         | 771                                    | 643  | 54.64 | 0.22 | 0.90 |
| 2806-1CD-15        | 2128                   | 0.906                   | Enamel         | 745                                    | 655  | 54.62 | 0.22 | 1.03 |
| 2806-1CD-16        | 2280                   | 0.970                   | Enamel         | 1189                                   | 664  | 55.02 | 0.25 | 1.04 |
| 2806-1CD-17        | 2432                   | 1.035                   | Dentin         | 1546                                   | 871  | 54.41 | 0.26 | 1.07 |
| 2806-1CD-01        | 2128                   | 0.906                   | Enamel         | 868                                    | 727  | 55.12 | 0.11 | 0.64 |
| 2806-1CD-02        | 1995                   | 0.849                   | Enamel         | 774                                    | 664  | 54.80 | 0.18 | 0.53 |
| 2806-1CD-03        | 1862                   | 0.792                   | Enamel         | 781                                    | 668  | 54.28 | 0.21 | 0.64 |
| 2806-1CD-04        | 1729                   | 0.736                   | Enamel         | 772                                    | 674  | 55.04 | 0.15 | 0.69 |
| 2806-1CD-05        | 1596                   | 0.679                   | Enamel         | 824                                    | 673  | 55.22 | 0.16 | 0.73 |
| 2806-1CD-06        | 1463                   | 0.623                   | Enamel         | 754                                    | 638  | 54.86 | 0.18 | 0.75 |
| 2806-1CD-07        | 1330                   | 0.566                   | Enamel         | 835                                    | 621  | 55.07 | 0.15 | 0.76 |
| 2806-1CD-08        | 1197                   | 0.509                   | Enamel         | 762                                    | 637  | 54.47 | 0.20 | 0.82 |
| 2806-1CD-09        | 1064                   | 0.453                   | Enamel         | 719                                    | 647  | 54.81 | 0.20 | 0.77 |
| 2806-1CD-10        | 931                    | 0.396                   | Enamel         | 713                                    | 609  | 55.12 | 0.21 | 0.82 |
| 2806-1CD-11        | 798                    | 0.340                   | Enamel         | 682                                    | 622  | 54.97 | 0.20 | 0.80 |
| 2806-1CD-12        | 665                    | 0.283                   | Enamel         | 667                                    | 626  | 55.39 | 0.20 | 0.87 |
| 2806-1CD-13        | 532                    | 0.226                   | Enamel         | 712                                    | 674  | 55.25 | 0.22 | 0.87 |
| 2806-1CD-14        | 399                    | 0.170                   | Enamel         | 694                                    | 683  | 54.64 | 0.22 | 0.90 |
| 2806-1CD-15        | 266                    | 0.113                   | Enamel         | 738                                    | 669  | 54.62 | 0.22 | 1.03 |
| 2806-1CD-16        | 133                    | 0.057                   | Enamel         | 811                                    | 631  | 55.02 | 0.25 | 1.04 |
| 2806-1CD-17        | 50                     | 0.021                   | Enamel         | 795                                    | 655  | 54.41 | 0.26 | 1.07 |
| 2806-1AB-01        | 66                     | 0.026                   | Dentin         | 1986                                   | 1575 | 54.26 | 0.09 | 0.65 |
| 2806-1AB-02        | 131                    | 0.051                   | Dentin         | 2103                                   | 1661 | 53.76 | 0.13 | 0.59 |
| 2806-1AB-03        | 262                    | 0.103                   | Dentin         | 2027                                   | 1670 | 54.11 | 0.15 | 0.60 |
| 2806-1AB-05        | 524                    | 0.205                   | Dentin         | 2155                                   | 1725 | 54.48 | 0.14 | 0.57 |
| 2806-1AB-07        | 786                    | 0.308                   | Dentin         | 1960                                   | 1564 | 50.12 | 0.16 | 0.58 |

|             |      |       |        |      |      |       |      |      |
|-------------|------|-------|--------|------|------|-------|------|------|
| 2806-1AB-09 | 1048 | 0.411 | Dentin | 1856 | 1573 | 52.37 | 0.15 | 0.65 |
| 2806-1AB-11 | 1310 | 0.514 | Dentin | 2022 | 1617 | 53.78 | 0.20 | 0.51 |
| 2806-1AB-13 | 1572 | 0.616 | Dentin | 2089 | 1698 | 54.67 | 0.16 | 0.51 |
| 2806-1AB-15 | 1834 | 0.719 | Dentin | 1930 | 1635 | 53.85 | 0.18 | 0.49 |
| 2806-1AB-17 | 2096 | 0.822 | Dentin | 1851 | 1629 | 54.27 | 0.15 | 0.50 |
| 2806-1AB-19 | 2358 | 0.925 | Dentin | 1885 | 1622 | 54.29 | 0.24 | 0.49 |
| 2806-1AB-20 | 2489 | 0.976 | Dentin | 2275 | 1589 | 53.88 | 0.12 | 0.63 |

**Cat# 051-06** *Hippopotamus sp* Lake Albert, Nkondo Fm. Molar fragment Surface Find; E30.9098407 N1.4331446

|             |      |       |        |      |      |       |      |      |
|-------------|------|-------|--------|------|------|-------|------|------|
| 5106-1AB-02 | 120  | 0.044 | Enamel | 164  | 668  | 55.70 | 0.25 | 0.65 |
| 5106-1AB-03 | 240  | 0.089 | Enamel | 205  | 674  | 55.52 | 0.21 | 0.63 |
| 5106-1AB-04 | 360  | 0.133 | Enamel | 204  | 682  | 56.04 | 0.20 | 0.72 |
| 5106-1AB-05 | 480  | 0.178 | Enamel | 197  | 669  | 55.49 | 0.16 | 0.66 |
| 5106-1AB-06 | 600  | 0.222 | Enamel | 145  | 565  | 55.56 | 0.17 | 0.83 |
| 5106-1AB-07 | 720  | 0.267 | Enamel | 142  | 550  | 55.59 | 0.20 | 0.76 |
| 5106-1AB-08 | 840  | 0.311 | Enamel | 153  | 553  | 55.43 | 0.21 | 0.85 |
| 5106-1AB-09 | 960  | 0.356 | Enamel | 153  | 605  | 55.47 | 0.21 | 0.83 |
| 5106-1AB-10 | 1080 | 0.400 | Enamel | 144  | 684  | 55.76 | 0.18 | 0.79 |
| 5106-1AB-11 | 1200 | 0.444 | Enamel | 254  | 705  | 55.51 | 0.20 | 0.80 |
| 5106-1AB-12 | 1320 | 0.489 | Enamel | 266  | 718  | 55.23 | 0.21 | 0.76 |
| 5106-1AB-13 | 1440 | 0.533 | Enamel | 396  | 690  | 55.37 | 0.18 | 0.64 |
| 5106-1AB-14 | 1560 | 0.578 | Enamel | 301  | 706  | 55.21 | 0.19 | 0.55 |
| 5106-1AB-15 | 1680 | 0.622 | Enamel | 528  | 733  | 54.85 | 0.12 | 0.48 |
| 5106-1AB-16 | 1800 | 0.667 | Enamel | 436  | 704  | 55.20 | 0.14 | 0.53 |
| 5106-1AB-17 | 1920 | 0.711 | Enamel | 490  | 697  | 54.53 | 0.13 | 0.44 |
| 5106-1AB-18 | 2040 | 0.756 | Enamel | 633  | 692  | 54.79 | 0.09 | 0.52 |
| 5106-1AB-19 | 2160 | 0.800 | Enamel | 694  | 711  | 54.65 | 0.13 | 0.42 |
| 5106-1AB-20 | 2280 | 0.844 | Enamel | 911  | 735  | 55.39 | 0.10 | 0.38 |
| 5106-1AB-21 | 2400 | 0.889 | Enamel | 1021 | 750  | 55.41 | 0.10 | 0.40 |
| 5106-1AB-22 | 2520 | 0.933 | Enamel | 864  | 742  | 55.38 | 0.10 | 0.40 |
| 5106-1AB-23 | 2640 | 0.978 | Enamel | 256  | 559  | 54.30 | 0.10 | 0.27 |
| 5106-1AB-24 | 2760 | 1.022 | Dentin | 125  | 806  | 59.66 | 0.18 | 0.31 |
| 5106-1AB-26 | 3000 | 1.111 | Dentin | 4241 | 1074 | 53.88 | 0.09 | 0.28 |
| 5106-1AB-27 | 3120 | 1.156 | Dentin | 4302 | 835  | 53.88 | 0.09 | 0.28 |
| 5106-1AB-29 | 3360 | 1.244 | Dentin | 2337 | 781  | 55.54 | 0.05 | 0.25 |

| <b>Cat# 027-06</b> | <i>Hippopotamus sp</i> | Lake Albert, Nkondo Fm. | Molar fragment | Surface Find; E30.8817553 N1.40699002 |      |       |      |      |
|--------------------|------------------------|-------------------------|----------------|---------------------------------------|------|-------|------|------|
| 2706-1AB-01        | 50                     | 0.020                   | Enamel         | 565                                   | 478  | 55.29 | 0.21 | 0.87 |
| 2706-1AB-02        | 164                    | 0.065                   | Enamel         | 603                                   | 473  | 55.39 | 0.20 | 0.85 |
| 2706-1AB-03        | 328                    | 0.129                   | Enamel         | 641                                   | 489  | 55.69 | 0.23 | 0.92 |
| 2706-1AB-04        | 492                    | 0.194                   | Enamel         | 1701                                  | 505  | 55.59 | 0.21 | 0.87 |
| 2706-1AB-05        | 656                    | 0.258                   | Enamel         | 1632                                  | 521  | 55.49 | 0.22 | 0.97 |
| 2706-1AB-06        | 820                    | 0.323                   | Enamel         | 657                                   | 513  | 55.94 | 0.21 | 0.91 |
| 2706-1AB-07        | 984                    | 0.387                   | Enamel         | 655                                   | 519  | 55.44 | 0.24 | 0.98 |
| 2706-1AB-08        | 1148                   | 0.452                   | Enamel         | 652                                   | 527  | 55.75 | 0.22 | 0.99 |
| 2706-1AB-09        | 1312                   | 0.517                   | Riss           | 516                                   | 506  | 55.35 | 0.27 | 1.00 |
| 2706-1AB-10        | 1476                   | 0.581                   | Enamel         | 674                                   | 521  | 55.75 | 0.23 | 1.04 |
| 2706-1AB-11        | 1640                   | 0.646                   | Enamel         | 739                                   | 526  | 55.08 | 0.22 | 1.08 |
| 2706-1AB-12        | 1804                   | 0.710                   | Enamel         | 789                                   | 553  | 55.87 | 0.24 | 1.15 |
| 2706-1AB-13        | 1968                   | 0.775                   | Enamel         | 833                                   | 568  | 55.32 | 0.28 | 1.28 |
| 2706-1AB-14        | 2132                   | 0.839                   | Enamel         | 864                                   | 575  | 55.34 | 0.22 | 1.30 |
| 2706-1AB-15        | 2296                   | 0.904                   | Enamel         | 822                                   | 548  | 55.36 | 0.23 | 1.43 |
| 2706-1AB-16        | 2460                   | 0.969                   | Enamel         | 922                                   | 615  | 55.41 | 0.29 | 0.50 |
| 2706-1AB-17        | 2624                   | 1.033                   | Dentin         | 561                                   | 1240 | 55.52 | 0.23 | 0.43 |

| <b>GPS165</b> | <i>Hippopotamus sp</i> | Lake Albert, Nyabusosi Fm, Kagusa Mb. | Molar fragment | Surface Find; E30°18,597 N0°59,238 |     |       |      |      |
|---------------|------------------------|---------------------------------------|----------------|------------------------------------|-----|-------|------|------|
| GPS165-1AB-1  | 95                     | 0.029                                 | Enamel         | 245                                | 718 | 54.53 | 0.19 | 0.89 |
| GPS165-1AB-1  | 190                    | 0.058                                 | Enamel         | 478                                | 677 | 55.46 | 0.23 | 0.75 |
| GPS165-1AB-1  | 380                    | 0.115                                 | Enamel         | 334                                | 628 | 55.46 | 0.24 | 0.84 |
| GPS165-1AB-1  | 570                    | 0.173                                 | Enamel         | 310                                | 624 | 55.48 | 0.26 | 0.88 |
| GPS165-1AB-1  | 760                    | 0.230                                 | Enamel         | 391                                | 615 | 55.23 | 0.22 | 0.86 |
| GPS165-1AB-1  | 950                    | 0.288                                 | Enamel         | 561                                | 603 | 55.58 | 0.22 | 0.99 |
| GPS165-1AB-1  | 1140                   | 0.345                                 | Enamel         | 370                                | 584 | 55.32 | 0.25 | 1.07 |
| GPS165-1AB-1  | 1330                   | 0.403                                 | Enamel         | 417                                | 596 | 55.65 | 0.27 | 1.07 |
| GPS165-1AB-1  | 1520                   | 0.461                                 | Enamel         | 581                                | 603 | 55.25 | 0.28 | 1.06 |
| GPS165-1AB-1  | 1710                   | 0.518                                 | Enamel         | 439                                | 617 | 55.65 | 0.30 | 1.08 |
| GPS165-1AB-1  | 1900                   | 0.576                                 | Enamel         | 724                                | 625 | 54.77 | 0.30 | 1.14 |
| GPS165-1AB-1  | 2090                   | 0.633                                 | Enamel         | 954                                | 746 | 56.14 | 0.29 | 1.13 |
| GPS165-1AB-1  | 2280                   | 0.691                                 | Enamel         | 383                                | 728 | 55.41 | 0.35 | 1.24 |
| GPS165-1AB-1  | 2470                   | 0.748                                 | Enamel         | 920                                | 782 | 55.37 | 0.28 | 1.28 |
| GPS165-1AB-1  | 2660                   | 0.806                                 | Enamel         | 942                                | 756 | 55.37 | 0.28 | 1.28 |
| GPS165-1AB-1  | 2850                   | 0.864                                 | Enamel         | 365                                | 728 | 55.37 | 0.28 | 1.28 |
| GPS165-1AB-1  | 3040                   | 0.921                                 | Enamel         | 342                                | 706 | 55.37 | 0.28 | 1.28 |
| GPS165-1AB-1  | 3230                   | 0.979                                 | Enamel         | 312                                | 665 | 55.37 | 0.28 | 1.28 |
| GPS165-1AB-1  | 240                    | 0.075                                 | Enamel         | 319                                | 604 | 55.46 | 0.23 | 0.75 |
| GPS165-1AB-1  | 480                    | 0.149                                 | Enamel         | 294                                | 605 | 55.46 | 0.24 | 0.84 |
| GPS165-1AB-1  | 720                    | 0.224                                 | Enamel         | 435                                | 616 | 55.48 | 0.26 | 0.88 |
| GPS165-1AB-1  | 960                    | 0.298                                 | Enamel         | 324                                | 636 | 55.23 | 0.22 | 0.86 |

|                    |                        |                         |                |   |      |       |      |      |
|--------------------|------------------------|-------------------------|----------------|---|------|-------|------|------|
| GPS165-1AB-        | 1200                   | 0.373                   | Enamel         | 468                                     | 660  | 55.58 | 0.22 | 0.99 |
| GPS165-1AB-        | 1440                   | 0.447                   | Enamel         | 329                                     | 674  | 55.32 | 0.25 | 1.07 |
| GPS165-1AB-        | 1680                   | 0.522                   | Enamel         | 723                                     | 775  | 55.65 | 0.27 | 1.07 |
| GPS165-1AB-        | 1920                   | 0.596                   | Enamel         | 1253                                    | 840  | 55.25 | 0.28 | 1.06 |
| GPS165-1AB-        | 2160                   | 0.671                   | Enamel         | 326                                     | 783  | 55.65 | 0.30 | 1.08 |
| GPS165-1AB-        | 2400                   | 0.745                   | Enamel         | 697                                     | 828  | 54.77 | 0.30 | 1.14 |
| GPS165-1AB-        | 2640                   | 0.820                   | Enamel         | 384                                     | 829  | 56.14 | 0.29 | 1.13 |
| GPS165-1AB-        | 2880                   | 0.894                   | Enamel         | 329                                     | 755  | 55.41 | 0.35 | 1.24 |
| GPS165-1AB-        | 3120                   | 0.969                   | Enamel         | 359                                     | 805  | 55.37 | 0.28 | 1.28 |
| GPS165-1AB-        | 3360                   | 1.043                   | Dentin         | 274                                     | 861  | 55.15 | 0.23 | 0.63 |
| GPS165-1AB-        | 3600                   | 1.118                   | Dentin         | 250                                     | 735  | 55.12 | 0.20 | 0.68 |
| GPS165-1CD-        | 850                    | 0.032                   | Enamel         | 320                                     | 592  | 56.03 | 0.22 | 0.84 |
| GPS165-1CD-        | 958                    | 0.070                   | Enamel         | 329                                     | 607  | 55.49 | 0.24 | 0.85 |
| GPS165-1CD-        | 1066                   | 0.139                   | Enamel         | 647                                     | 614  | 54.69 | 0.19 | 0.90 |
| GPS165-1CD-        | 1174                   | 0.209                   | Enamel         | 386                                     | 612  | 55.42 | 0.26 | 0.88 |
| GPS165-1CD-        | 1282                   | 0.279                   | Enamel         | 387                                     | 613  | 55.03 | 0.24 | 0.92 |
| GPS165-1CD-        | 1390                   | 0.348                   | Enamel         | 299                                     | 610  | 55.25 | 0.22 | 0.85 |
| GPS165-1CD-        | 1498                   | 0.418                   | Enamel         | 630                                     | 651  | 55.59 | 0.27 | 0.92 |
| GPS165-1CD-        | 1606                   | 0.488                   | Enamel         | 585                                     | 669  | 55.31 | 0.22 | 0.97 |
| GPS165-1CD-        | 1714                   | 0.557                   | Enamel         | 1222                                    | 719  | 55.58 | 0.22 | 0.94 |
| GPS165-1CD-        | 1822                   | 0.627                   | Enamel         | 468                                     | 724  | 55.60 | 0.27 | 0.88 |
| GPS165-1CD-        | 1930                   | 0.697                   | Enamel         | 397                                     | 696  | 55.48 | 0.28 | 0.84 |
| GPS165-1CD-        | 2038                   | 0.766                   | Enamel         | 351                                     | 715  | 54.56 | 0.29 | 0.95 |
| GPS165-1CD-        | 2146                   | 0.836                   | Enamel         | 375                                     | 772  | 55.54 | 0.24 | 1.00 |
| GPS165-1CD-        | 2254                   | 0.906                   | Enamel         | 830                                     | 792  | 54.77 | 0.29 | 1.01 |
| GPS165-1CD-        | 2362                   | 0.975                   | Enamel         | 555                                     | 813  | 54.36 | 0.26 | 1.01 |
| <b>Cat# 007-06</b> | <i>Hippopotamus sp</i> | Lake Albert, Nkondo Fm. | Molar fragment | Surface Find; E30.89527824 N1.413623599 |      |       |      |      |
| 007-1AB 01         | 50                     | 0.029                   | Enamel         | 559                                     | 403  | 54.78 | 0.23 | 0.90 |
| 007-1AB 02         | 111                    | 0.065                   | Enamel         | 590                                     | 426  | 54.04 | 0.27 | 0.86 |
| 007-1AB 03         | 222                    | 0.130                   | Enamel         | 616                                     | 442  | 53.71 | 0.25 | 0.99 |
| 007-1AB 04         | 333                    | 0.195                   | Enamel         | 605                                     | 453  | 54.71 | 0.23 | 0.98 |
| 007-1AB 05         | 444                    | 0.260                   | Enamel         | 621                                     | 463  | 53.60 | 0.24 | 1.00 |
| 007-1AB 06         | 555                    | 0.325                   | Enamel         | 635                                     | 479  | 55.03 | 0.22 | 0.97 |
| 007-1AB 07         | 666                    | 0.389                   | Enamel         | 662                                     | 491  | 54.20 | 0.22 | 1.06 |
| 007-1AB 08         | 777                    | 0.454                   | Enamel         | 675                                     | 490  | 54.10 | 0.20 | 1.12 |
| 007-1AB 09         | 888                    | 0.519                   | Enamel         | 698                                     | 516  | 54.22 | 0.25 | 1.10 |
| 007-1AB 10         | 999                    | 0.584                   | Enamel         | 747                                     | 516  | 53.40 | 0.22 | 1.14 |
| 007-1AB 11         | 1110                   | 0.649                   | Enamel         | 773                                     | 523  | 54.49 | 0.26 | 1.26 |
| 007-1AB 12         | 1221                   | 0.714                   | Enamel         | 798                                     | 540  | 53.28 | 0.30 | 1.25 |
| 007-1AB 13         | 1332                   | 0.779                   | Enamel         | 823                                     | 538  | 54.38 | 0.26 | 1.31 |
| 007-1AB 14         | 1443                   | 0.844                   | Enamel         | 854                                     | 555  | 53.16 | 0.24 | 1.35 |
| 007-1AB 15         | 1554                   | 0.909                   | Enamel         | 880                                     | 548  | 53.73 | 0.28 | 1.32 |
| 007-1AB 16         | 1665                   | 0.974                   | Enamel         | 905                                     | 559  | 54.09 | 0.26 | 1.37 |
| 007-1AB 17         | 1776                   | 1.039                   | Dentin         | 1142                                    | 1641 | 52.97 | 0.19 | 0.63 |

|            |      |       |        |      |      |       |      |      |
|------------|------|-------|--------|------|------|-------|------|------|
| 007-1AB 18 | 1887 | 1.104 | Dentin | 1433 | 1617 | 53.00 | 0.17 | 0.80 |
| 007-1AB 19 | 1998 | 1.168 | Dentin | 1474 | 1596 | 52.47 | 0.16 | 0.61 |
| 007-2AB 01 | 66   | 0.032 | Enamel | 307  | 574  | 53.35 | 0.17 | 0.64 |
| 007-2AB 02 | 132  | 0.064 | Enamel | 259  | 573  | 53.97 | 0.15 | 0.74 |
| 007-2AB 03 | 264  | 0.129 | Enamel | 393  | 486  | 53.87 | 0.14 | 0.86 |
| 007-2AB 04 | 396  | 0.193 | Enamel | 356  | 479  | 53.55 | 0.14 | 0.88 |
| 007-2AB 05 | 528  | 0.258 | Enamel | 482  | 467  | 54.70 | 0.22 | 0.93 |
| 007-2AB 06 | 660  | 0.322 | Enamel | 514  | 440  | 54.05 | 0.20 | 0.96 |
| 007-2AB 07 | 792  | 0.386 | Enamel | 646  | 475  | 54.45 | 0.24 | 0.96 |
| 007-2AB 08 | 924  | 0.451 | Enamel | 682  | 480  | 53.62 | 0.24 | 0.99 |
| 007-2AB 09 | 1056 | 0.515 | Enamel | 701  | 486  | 54.01 | 0.23 | 1.09 |
| 007-2AB 10 | 1188 | 0.580 | Enamel | 695  | 478  | 53.41 | 0.17 | 1.03 |
| 007-2AB 11 | 1320 | 0.644 | Enamel | 701  | 496  | 53.97 | 0.23 | 1.07 |
| 007-2AB 12 | 1452 | 0.708 | Enamel | 719  | 497  | 53.93 | 0.18 | 1.08 |
| 007-2AB 13 | 1584 | 0.773 | Enamel | 763  | 513  | 53.64 | 0.23 | 1.24 |
| 007-2AB 14 | 1716 | 0.837 | Enamel | 789  | 519  | 54.28 | 0.21 | 1.25 |
| 007-2AB 15 | 1848 | 0.901 | Enamel | 765  | 520  | 52.91 | 0.25 | 1.23 |
| 007-2AB 16 | 1980 | 0.966 | Enamel | 838  | 537  | 53.80 | 0.21 | 1.41 |
| 007-2AB 17 | 2112 | 1.030 | Dentin | 1069 | 1422 | 52.95 | 0.25 | 0.63 |
| 007-2AB 18 | 2244 | 1.095 | Dentin | 1148 | 1617 | 52.95 | 0.26 | 0.53 |
| 007-2AB 19 | 2376 | 1.159 | Dentin | 1277 | 1621 | 53.01 | 0.18 | 0.59 |
| 007-3AB 01 | 50   | 0.027 | Enamel | 1346 | 1709 | 53.57 | 0.23 | 0.70 |
| 007-3AB 02 | 111  | 0.061 | Enamel | 493  | 620  | 53.42 | 0.17 | 0.73 |
| 007-3AB 03 | 222  | 0.121 | Enamel | 454  | 558  | 53.23 | 0.14 | 0.84 |
| 007-3AB 04 | 333  | 0.182 | Enamel | 486  | 552  | 53.75 | 0.15 | 0.81 |
| 007-3AB 05 | 444  | 0.243 | Enamel | 568  | 537  | 53.72 | 0.20 | 0.86 |
| 007-3AB 06 | 555  | 0.303 | Enamel | 601  | 480  | 53.34 | 0.19 | 0.97 |
| 007-3AB 07 | 666  | 0.364 | Enamel | 627  | 488  | 54.27 | 0.21 | 0.93 |
| 007-3AB 08 | 777  | 0.425 | Enamel | 661  | 495  | 53.92 | 0.19 | 0.96 |
| 007-3AB 09 | 888  | 0.485 | Enamel | 678  | 492  | 54.08 | 0.24 | 0.90 |
| 007-3AB 10 | 999  | 0.546 | Enamel | 681  | 499  | 53.93 | 0.22 | 1.02 |
| 007-3AB 11 | 1110 | 0.607 | Enamel | 667  | 507  | 53.67 | 0.20 | 1.08 |
| 007-3AB 12 | 1221 | 0.667 | Enamel | 687  | 518  | 54.06 | 0.22 | 1.17 |
| 007-3AB 13 | 1332 | 0.728 | Enamel | 730  | 509  | 53.50 | 0.23 | 1.20 |
| 007-3AB 14 | 1443 | 0.789 | Enamel | 778  | 529  | 54.34 | 0.22 | 1.22 |
| 007-3AB 15 | 1554 | 0.849 | Enamel | 755  | 525  | 54.28 | 0.25 | 1.20 |
| 007-3AB 16 | 1665 | 0.910 | Enamel | 734  | 505  | 53.83 | 0.28 | 1.40 |
| 007-3AB 17 | 1776 | 0.970 | Enamel | 718  | 507  | 52.66 | 0.20 | 0.81 |
| 007-3AB 18 | 1887 | 1.031 | Dentin | 942  | 1744 | 52.51 | 0.17 | 0.74 |
| 007-3AB 19 | 1998 | 1.092 | Dentin | 881  | 1777 | 53.45 | 0.18 | 0.63 |
| 007-3AB 20 | 2109 | 1.152 | Dentin | 1058 | 1867 | 53.72 | 0.18 | 0.62 |

| Sample                | Distance $\mu\text{m}$        | Distance Norm  | Mineral  | Ba $\mu\text{g/g}$                     | Sr $\mu\text{g/g}$ | CaO wt.% | MgO wt.% | Na <sub>2</sub> O wt.% |
|-----------------------|-------------------------------|----------------|----------|--|--------------------|----------|----------|------------------------|
| <b>Lake Kikorongo</b> | <i>Hippopotamus amphibius</i> | Lake Kikorongo | Molar M3 | Surface Find; 36 M 167820 E; 9999258 S |                    |          |          |                        |
| Kiko-1EF-01           | 50                            | 0.015          | Enamel   | 378                                    | 1765               | 55.12    | 1.18     | 1.25                   |
| Kiko-1EF-02           | 134                           | 0.041          | Enamel   | 261                                    | 1667               | 55.13    | 0.95     | 0.96                   |
| Kiko-1EF-03           | 268                           | 0.082          | Enamel   | 228                                    | 1637               | 54.80    | 0.74     | 0.91                   |
| Kiko-1EF-04           | 402                           | 0.123          | Enamel   | 203                                    | 1602               | 54.73    | 0.43     | 1.03                   |
| Kiko-1EF-05           | 536                           | 0.163          | Enamel   | 204                                    | 1678               | 55.04    | 0.32     | 0.85                   |
| Kiko-1EF-06           | 670                           | 0.204          | Enamel   | 190                                    | 1699               | 54.90    | 0.41     | 0.83                   |
| Kiko-1EF-07           | 804                           | 0.245          | Enamel   | 186                                    | 1908               | 55.11    | 0.40     | 0.86                   |
| Kiko-1EF-08           | 938                           | 0.286          | Enamel   | 197                                    | 2069               | 54.84    | 0.42     | 0.93                   |
| Kiko-1EF-09           | 1072                          | 0.327          | Enamel   | 222                                    | 2154               | 55.47    | 0.43     | 0.92                   |
| Kiko-1EF-10           | 1206                          | 0.368          | Enamel   | 238                                    | 2135               | 55.41    | 0.45     | 0.95                   |
| Kiko-1EF-11           | 1340                          | 0.409          | Enamel   | 244                                    | 2196               | 54.96    | 0.43     | 0.89                   |
| Kiko-1EF-12           | 1474                          | 0.449          | Enamel   | 255                                    | 2271               | 55.19    | 0.45     | 0.94                   |
| Kiko-1EF-13           | 1608                          | 0.490          | Enamel   | 251                                    | 2242               | 54.97    | 0.43     | 1.06                   |
| Kiko-1EF-14           | 1742                          | 0.531          | Enamel   | 258                                    | 2220               | 55.40    | 0.44     | 0.99                   |
| Kiko-1EF-15           | 1876                          | 0.572          | Enamel   | 255                                    | 2216               | 55.70    | 0.49     | 1.06                   |
| Kiko-1EF-16           | 2010                          | 0.613          | Enamel   | 271                                    | 2280               | 55.62    | 0.44     | 1.03                   |
| Kiko-1EF-17           | 2144                          | 0.654          | Enamel   | 265                                    | 2217               | 55.26    | 0.48     | 1.06                   |
| Kiko-1EF-18           | 2278                          | 0.695          | Enamel   | 284                                    | 2269               | 55.08    | 0.45     | 1.23                   |
| Kiko-1EF-19           | 2412                          | 0.735          | Enamel   | 307                                    | 2326               | 55.60    | 0.49     | 1.13                   |
| Kiko-1EF-20           | 2546                          | 0.776          | Enamel   | 301                                    | 2316               | 55.24    | 0.53     | 1.28                   |
| Kiko-1EF-21           | 2680                          | 0.817          | Enamel   | 325                                    | 2557               | 55.21    | 0.49     | 1.17                   |
| Kiko-1EF-22           | 2814                          | 0.858          | Enamel   | 515                                    | 2673               | 55.04    | 0.52     | 1.22                   |
| Kiko-1EF-23           | 2948                          | 0.899          | Enamel   | 990                                    | 7205               | 55.07    | 0.52     | 1.23                   |
| Kiko-1EF-24           | 3082                          | 0.940          | Enamel   | 863                                    | 2516               | 54.77    | 0.70     | 1.32                   |
| Kiko-1EF-25           | 3216                          | 0.980          | Enamel   | 1523                                   | 4325               | 55.15    | 0.59     | 1.40                   |
| Kiko-1EF-26           | 3350                          | 1.021          | Dentin   | 1646                                   | 4439               | 72.74    | 9.80     | 0.67                   |
| Kiko-1EF-27           | 3484                          | 1.062          | Dentin   | 1658                                   | 4418               | 63.45    | 3.86     | 0.63                   |
| Kiko-1EF-28           | 3618                          | 1.103          | Dentin   | 1735                                   | 4570               | 63.21    | 0.68     | 0.79                   |
| Kiko-1EF-29           | 3752                          | 1.144          | Dentin   | 1816                                   | 4529               | 72.07    | 0.97     | 0.74                   |
| Kiko-1EF-30           | 3886                          | 1.185          | Dentin   | 1805                                   | 4695               | 71.66    | 2.06     | 0.59                   |
| Kiko-1EF-1            | 50                            | 0.016          | Enamel   | 1275                                   | 4785               | 55.12    | 1.18     | 1.25                   |
| Kiko-1EF-2            | 134                           | 0.043          | Enamel   | 806                                    | 3532               | 55.13    | 0.95     | 0.96                   |
| Kiko-1EF-3            | 268                           | 0.085          | Enamel   | 648                                    | 2875               | 54.80    | 0.74     | 0.91                   |
| Kiko-1EF-4            | 402                           | 0.128          | Enamel   | 432                                    | 2350               | 54.73    | 0.43     | 1.03                   |
| Kiko-1EF-5            | 536                           | 0.170          | Enamel   | 274                                    | 2222               | 55.04    | 0.32     | 0.85                   |
| Kiko-1EF-6            | 670                           | 0.213          | Enamel   | 243                                    | 2451               | 54.90    | 0.41     | 0.83                   |
| Kiko-1EF-7            | 804                           | 0.255          | Enamel   | 265                                    | 2642               | 55.11    | 0.40     | 0.86                   |
| Kiko-1EF-8            | 938                           | 0.298          | Enamel   | 275                                    | 2695               | 54.84    | 0.42     | 0.93                   |
| Kiko-1EF-9            | 1072                          | 0.340          | Enamel   | 260                                    | 2857               | 55.47    | 0.43     | 0.92                   |
| Kiko-1EF-10           | 1206                          | 0.383          | Enamel   | 279                                    | 2980               | 55.41    | 0.45     | 0.95                   |

|             |      |       |        |      |      |       |      |      |
|-------------|------|-------|--------|------|------|-------|------|------|
| Kiko-1EF-11 | 1340 | 0.425 | Enamel | 283  | 3177 | 54.96 | 0.43 | 0.89 |
| Kiko-1EF-12 | 1474 | 0.468 | Enamel | 322  | 3193 | 55.19 | 0.45 | 0.94 |
| Kiko-1EF-13 | 1608 | 0.510 | Enamel | 335  | 3246 | 54.97 | 0.43 | 1.06 |
| Kiko-1EF-14 | 1742 | 0.553 | Enamel | 324  | 3397 | 55.40 | 0.44 | 0.99 |
| Kiko-1EF-15 | 1876 | 0.596 | Enamel | 339  | 3288 | 55.70 | 0.49 | 1.06 |
| Kiko-1EF-16 | 2010 | 0.638 | Enamel | 356  | 3461 | 55.62 | 0.44 | 1.03 |
| Kiko-1EF-17 | 2144 | 0.681 | Enamel | 391  | 3608 | 55.26 | 0.48 | 1.06 |
| Kiko-1EF-18 | 2278 | 0.723 | Enamel | 392  | 3629 | 55.08 | 0.45 | 1.23 |
| Kiko-1EF-19 | 2412 | 0.766 | Enamel | 435  | 3962 | 55.60 | 0.49 | 1.13 |
| Kiko-1EF-20 | 2546 | 0.808 | Enamel | 434  | 4113 | 55.24 | 0.53 | 1.28 |
| Kiko-1EF-21 | 2680 | 0.851 | Enamel | 448  | 4127 | 55.21 | 0.49 | 1.17 |
| Kiko-1EF-22 | 2814 | 0.893 | Enamel | 478  | 4134 | 55.04 | 0.52 | 1.22 |
| Kiko-1EF-23 | 2948 | 0.936 | Enamel | 467  | 4119 | 55.07 | 0.52 | 1.23 |
| Kiko-1EF-24 | 3082 | 0.978 | Enamel | 356  | 2564 | 54.77 | 0.70 | 1.32 |
| Kiko-1EF-25 | 3216 | 1.021 | Enamel | 1771 | 6494 | 55.15 | 0.59 | 1.40 |
| Kiko-1EF-26 | 3350 | 1.063 | Dentin | 1516 | 5423 | 72.74 | 9.80 | 0.67 |
| Kiko-1EF-27 | 3484 | 1.106 | Dentin | 1683 | 5759 | 63.45 | 3.86 | 0.63 |
| Kiko-1EF-28 | 3618 | 1.149 | Dentin | 1860 | 6122 | 63.21 | 0.68 | 0.79 |
| Kiko-1EF-29 | 3752 | 1.191 | Dentin | 1693 | 5756 | 72.07 | 0.97 | 0.74 |
| Kiko-1EF-30 | 3886 | 1.234 | Dentin | 1397 | 5354 | 71.66 | 2.06 | 0.59 |
|             |      |       |        |      |      |       |      |      |
| Kiko-3AB-01 | 50   | 0.020 | Enamel | 567  | 2141 | 54.03 | 0.44 | 0.86 |
| Kiko-3AB-02 | 115  | 0.047 | Enamel | 285  | 1934 | 53.81 | 0.37 | 0.84 |
| Kiko-3AB-03 | 230  | 0.093 | Enamel | 241  | 1896 | 53.85 | 0.36 | 0.95 |
| Kiko-3AB-04 | 345  | 0.140 | Enamel | 221  | 1814 | 54.20 | 0.31 | 0.79 |
| Kiko-3AB-05 | 460  | 0.186 | Enamel | 196  | 2000 | 54.18 | 0.33 | 0.92 |
| Kiko-3AB-06 | 575  | 0.233 | Enamel | 192  | 1932 | 54.17 | 0.33 | 0.87 |
| Kiko-3AB-07 | 690  | 0.279 | Enamel | 182  | 2313 | 54.10 | 0.39 | 1.09 |
| Kiko-3AB-08 | 805  | 0.326 | Enamel | 208  | 2391 | 54.22 | 0.44 | 1.04 |
| Kiko-3AB-09 | 920  | 0.372 | Enamel | 225  | 2497 | 54.38 | 0.45 | 1.02 |
| Kiko-3AB-10 | 1035 | 0.419 | Enamel | 217  | 2426 | 54.10 | 0.47 | 1.04 |
| Kiko-3AB-11 | 1150 | 0.466 | Enamel | 230  | 2477 | 54.54 | 0.45 | 1.07 |
| Kiko-3AB-12 | 1265 | 0.512 | Enamel | 249  | 2563 | 54.36 | 0.48 | 1.09 |
| Kiko-3AB-13 | 1380 | 0.559 | Enamel | 242  | 2475 | 54.56 | 0.47 | 1.15 |
| Kiko-3AB-14 | 1495 | 0.605 | Enamel | 253  | 2620 | 54.93 | 0.47 | 1.07 |
| Kiko-3AB-15 | 1610 | 0.652 | Enamel | 244  | 2504 | 55.68 | 0.45 | 1.05 |
| Kiko-3AB-16 | 1725 | 0.698 | Enamel | 260  | 2598 | 54.72 | 0.47 | 1.26 |
| Kiko-3AB-17 | 1840 | 0.745 | Enamel | 255  | 2465 | 54.18 | 0.44 | 1.16 |
| Kiko-3AB-18 | 1955 | 0.791 | Enamel | 285  | 2619 | 55.17 | 0.47 | 1.28 |
| Kiko-3AB-19 | 2070 | 0.838 | Enamel | 292  | 2618 | 54.14 | 0.48 | 1.26 |
| Kiko-3AB-20 | 2185 | 0.885 | Enamel | 265  | 2537 | 54.17 | 0.45 | 1.19 |
| Kiko-3AB-21 | 2300 | 0.931 | Enamel | 321  | 2950 | 54.18 | 0.51 | 1.40 |
| Kiko-3AB-22 | 2415 | 0.978 | Enamel | 310  | 2852 | 54.03 | 0.53 | 1.64 |
| Kiko-3AB-23 | 2530 | 1.024 | Dentin | 1472 | 4980 | 58.59 | 1.36 | 1.17 |
| Kiko-3AB-24 | 2645 | 1.071 | Dentin | 1518 | 4789 | 56.36 | 1.03 | 1.00 |
| Kiko-3AB-25 | 2760 | 1.117 | Dentin | 1586 | 4921 | 56.08 | 0.96 | 0.95 |
| Kiko-3AB-26 | 2875 | 1.164 | Dentin | 1598 | 4880 | 55.53 | 1.03 | 1.17 |

|             |      |       |        |      |      |       |      |      |
|-------------|------|-------|--------|------|------|-------|------|------|
| Kiko-3AB-27 | 2990 | 1.211 | Dentin | 1738 | 4971 | 55.23 | 0.93 | 1.16 |
| Kiko-3AB-28 | 3105 | 1.257 | Dentin | 1736 | 5078 | 55.43 | 0.96 | 0.98 |
| Kiko-3AB-29 | 3220 | 1.304 | Dentin | 1940 | 5162 | 56.19 | 1.08 | 1.20 |
| Kiko-3AB-30 | 3335 | 1.350 | Dentin | 1960 | 5225 | 56.19 | 1.08 | 1.20 |
|             |      |       |        |      |      |       |      |      |
| Kiko-1AB-01 | 85   | 0.025 | Enamel | 1094 | 9336 | 55.77 | 0.30 | 0.89 |
| Kiko-1AB-02 | 173  | 0.051 | Enamel | 714  | 3228 | 55.74 | 0.32 | 0.80 |
| Kiko-1AB-03 | 346  | 0.103 | Enamel | 380  | 2145 | 55.75 | 0.25 | 0.72 |
| Kiko-1AB-04 | 519  | 0.154 | Enamel | 291  | 2185 | 55.53 | 0.39 | 0.95 |
| Kiko-1AB-05 | 692  | 0.206 | Enamel | 263  | 2007 | 55.51 | 0.33 | 0.70 |
| Kiko-1AB-06 | 865  | 0.257 | Enamel | 277  | 2224 | 55.59 | 0.41 | 0.93 |
| Kiko-1AB-07 | 1038 | 0.309 | Enamel | 293  | 2512 | 55.85 | 0.43 | 0.98 |
| Kiko-1AB-08 | 1211 | 0.360 | Enamel | 303  | 2734 | 55.69 | 0.39 | 0.86 |
| Kiko-1AB-09 | 1384 | 0.412 | Enamel | 320  | 2796 | 55.33 | 0.41 | 0.88 |
| Kiko-1AB-10 | 1557 | 0.463 | Enamel | 322  | 2871 | 55.54 | 0.44 | 1.03 |
| Kiko-1AB-11 | 1730 | 0.515 | Enamel | 334  | 2915 | 55.03 | 0.41 | 1.08 |
| Kiko-1AB-12 | 1903 | 0.566 | Enamel | 349  | 2956 | 54.56 | 0.37 | 0.90 |
| Kiko-1AB-13 | 2076 | 0.618 | Enamel | 377  | 3107 | 55.10 | 0.48 | 1.21 |
| Kiko-1AB-14 | 2249 | 0.669 | Enamel | 379  | 3051 | 54.87 | 0.52 | 1.25 |
| Kiko-1AB-15 | 2422 | 0.721 | Enamel | 442  | 3413 | 54.75 | 0.46 | 1.24 |
| Kiko-1AB-16 | 2595 | 0.772 | Enamel | 501  | 3580 | 54.83 | 0.41 | 1.33 |
| Kiko-1AB-17 | 2768 | 0.824 | Enamel | 462  | 3458 | 55.22 | 0.45 | 1.12 |
| Kiko-1AB-18 | 2941 | 0.875 | Enamel | 539  | 3612 | 54.86 | 0.55 | 1.35 |
| Kiko-1AB-19 | 3114 | 0.927 | Enamel | 516  | 3615 | 55.42 | 0.37 | 0.83 |
| Kiko-1AB-20 | 3287 | 0.978 | Enamel | 529  | 3682 | 55.55 | 0.39 | 0.81 |
| Kiko-1AB-21 | 3460 | 1.030 | dentin | 3912 | 6624 | 55.55 | 0.39 | 0.81 |
|             |      |       |        |      |      |       |      |      |
| Kiko-2AB-01 | 60   | 0.023 | Enamel | 563  | 2610 | 55.74 | 0.32 | 0.93 |
| Kiko-2AB-02 | 117  | 0.044 | Enamel | 484  | 2230 | 55.18 | 0.39 | 0.91 |
| Kiko-2AB-03 | 234  | 0.089 | Enamel | 415  | 2005 | 55.12 | 0.40 | 0.85 |
| Kiko-2AB-04 | 351  | 0.133 | Enamel | 298  | 2285 | 55.78 | 0.44 | 0.82 |
| Kiko-2AB-05 | 468  | 0.177 | Enamel | 299  | 2518 | 55.67 | 0.42 | 0.95 |
| Kiko-2AB-06 | 585  | 0.222 | Enamel | 332  | 2791 | 55.00 | 0.45 | 0.98 |
| Kiko-2AB-07 | 702  | 0.266 | Enamel | 325  | 2824 | 55.00 | 0.48 | 1.10 |
| Kiko-2AB-08 | 819  | 0.310 | Enamel | 334  | 2967 | 55.44 | 0.45 | 1.09 |
| Kiko-2AB-09 | 936  | 0.355 | Enamel | 341  | 3017 | 54.92 | 0.48 | 1.06 |
| Kiko-2AB-10 | 1053 | 0.399 | Enamel | 354  | 3171 | 54.94 | 0.48 | 1.17 |
| Kiko-2AB-11 | 1170 | 0.443 | Enamel | 358  | 3118 | 54.97 | 0.45 | 1.15 |
| Kiko-2AB-12 | 1287 | 0.488 | Enamel | 363  | 3269 | 55.34 | 0.50 | 1.29 |
| Kiko-2AB-13 | 1404 | 0.532 | Enamel | 355  | 3182 | 54.81 | 0.54 | 1.24 |
| Kiko-2AB-14 | 1521 | 0.576 | Enamel | 387  | 3322 | 54.67 | 0.58 | 1.36 |
| Kiko-2AB-15 | 1638 | 0.620 | Enamel | 397  | 3413 | 54.64 | 0.52 | 1.39 |
| Kiko-2AB-16 | 1755 | 0.665 | Enamel | 440  | 3568 | 54.69 | 0.59 | 1.39 |
| Kiko-2AB-17 | 1872 | 0.709 | Enamel | 428  | 3426 | 57.35 | 0.60 | 1.36 |
| Kiko-2AB-18 | 1989 | 0.753 | Enamel | 472  | 3542 | 54.74 | 0.58 | 1.53 |
| Kiko-2AB-19 | 2106 | 0.798 | Enamel | 500  | 3603 | 54.68 | 0.61 | 1.42 |
| Kiko-2AB-20 | 2223 | 0.842 | Enamel | 552  | 3563 | 54.90 | 0.54 | 1.47 |

|             |      |       |        |      |      |       |      |      |
|-------------|------|-------|--------|------|------|-------|------|------|
| Kiko-2AB-21 | 2340 | 0.886 | Enamel | 550  | 3560 | 54.82 | 0.71 | 1.62 |
| Kiko-2AB-22 | 2457 | 0.931 | Enamel | 608  | 3681 | 56.16 | 0.52 | 1.16 |
| Kiko-2AB-23 | 2574 | 0.975 | Enamel | 585  | 3829 | 56.50 | 0.46 | 0.93 |
| Kiko-2AB-24 | 2691 | 1.019 | Dentin | 1320 | 6461 | 56.44 | 0.49 | 1.12 |
| Kiko-2AB-25 | 2808 | 1.064 | Dentin | 1293 | 6368 | 56.62 | 0.45 | 1.47 |
| Kiko-2AB-26 | 2925 | 1.108 | Dentin | 1286 | 6354 | 55.99 | 0.41 | 1.50 |
| Kiko-2AB-27 | 3042 | 1.152 | Dentin | 1310 | 6455 | 55.11 | 0.39 | 1.39 |
| Kiko-2AB-28 | 3159 | 1.197 | Dentin | 1282 | 6250 | 54.47 | 0.41 | 1.18 |
| Kiko-2AB-29 | 3276 | 1.241 | Dentin | 1190 | 5311 | 54.47 | 0.41 | 1.18 |
| Kiko-2AB-30 | 3393 | 1.285 | Dentin |      |      | 54.47 | 0.41 | 1.18 |
|             |      |       |        |      |      |       |      |      |
| Kiko-1CD-01 | 50   | 0.028 | Enamel | 695  | 3136 | 55.36 | 0.30 | 0.78 |
| Kiko-1CD-02 | 92   | 0.051 | Enamel | 557  | 2944 | 55.42 | 0.33 | 0.82 |
| Kiko-1CD-03 | 184  | 0.102 | Enamel | 360  | 2364 | 55.84 | 0.27 | 0.87 |
| Kiko-1CD-04 | 276  | 0.153 | Enamel | 305  | 2252 | 55.49 | 0.34 | 0.88 |
| Kiko-1CD-05 | 368  | 0.204 | Enamel | 273  | 2056 | 55.32 | 0.39 | 0.84 |
| Kiko-1CD-06 | 460  | 0.256 | Enamel | 272  | 1929 | 55.28 | 0.30 | 0.75 |
| Kiko-1CD-07 | 552  | 0.307 | Enamel | 275  | 1987 | 54.92 | 0.35 | 0.75 |
| Kiko-1CD-08 | 644  | 0.358 | Enamel | 265  | 2222 | 55.33 | 0.37 | 0.85 |
| Kiko-1CD-09 | 736  | 0.409 | Enamel | 268  | 2346 | 54.82 | 0.34 | 0.71 |
| Kiko-1CD-10 | 828  | 0.460 | Enamel | 283  | 2179 | 55.45 | 0.39 | 0.72 |
| Kiko-1CD-11 | 920  | 0.511 | Enamel | 283  | 2251 | 54.97 | 0.43 | 0.85 |
| Kiko-1CD-12 | 1012 | 0.562 | Enamel | 295  | 2489 | 54.59 | 0.35 | 0.83 |
| Kiko-1CD-13 | 1104 | 0.613 | Enamel | 275  | 2488 | 55.03 | 0.40 | 0.76 |
| Kiko-1CD-14 | 1196 | 0.664 | Enamel | 292  | 2636 | 55.20 | 0.41 | 1.01 |
| Kiko-1CD-15 | 1288 | 0.716 | Enamel | 305  | 2724 | 55.59 | 0.45 | 0.98 |
| Kiko-1CD-16 | 1380 | 0.767 | Enamel | 309  | 2778 | 55.21 | 0.45 | 0.93 |
| Kiko-1CD-17 | 1472 | 0.818 | Enamel | 320  | 2869 | 55.31 | 0.37 | 0.97 |
| Kiko-1CD-18 | 1564 | 0.869 | Enamel | 340  | 3024 | 55.69 | 0.48 | 0.96 |
| Kiko-1CD-19 | 1656 | 0.920 | Enamel | 318  | 2899 | 54.92 | 0.32 | 0.90 |
| Kiko-1CD-20 | 1748 | 0.971 | Enamel | 321  | 2933 | 55.58 | 0.28 | 0.92 |

| Sample        | Distance $\mu\text{m}$        | Distance Norm | Mineral          | Ba $\mu\text{g/g}$ | Sr $\mu\text{g/g}$ | CaO wt.%                         | MgO wt.% | Na <sub>2</sub> O wt.% |
|---------------|-------------------------------|---------------|------------------|--------------------|--------------------|----------------------------------|----------|------------------------|
| <b>Nile-1</b> | <i>Hippopotamus amphibius</i> |               | Sudan Upper Nile | Molar M3           | 21004              | Naturhistorisches Museum, Vienna |          |                        |
| NIL1-AB-1     | 2400                          | 1.224         | Dentin           | 28                 | 190                | 55.67                            | 2.77     | 1.35                   |
| NIL1-AB-2     | 2320                          | 1.184         | Dentin           | 29                 | 183                | 55.56                            | 3.16     | 1.35                   |
| NIL1-AB-3     | 2240                          | 1.143         | Dentin           | 31                 | 187                | 55.03                            | 3.23     | 1.28                   |
| NIL1-AB-4     | 2160                          | 1.102         | Dentin           | 35                 | 189                | 56.22                            | 3.10     | 1.13                   |
| NIL1-AB-5     | 2080                          | 1.061         | Dentin           | 30                 | 182                | 56.02                            | 3.16     | 1.19                   |
| NIL1-AB-6     | 2000                          | 1.020         | Dentin           | 29                 | 187                | 56.28                            | 3.06     | 1.09                   |
| NIL1-AB-7     | 1920                          | 0.980         | Enamel           | 33                 | 214                | 54.07                            | 0.39     | 1.50                   |
| NIL1-AB-8     | 1840                          | 0.939         | Enamel           | 26                 | 206                | 54.20                            | 0.38     | 1.41                   |
| NIL1-AB-9     | 1760                          | 0.898         | Enamel           | 25                 | 207                | 54.27                            | 0.38     | 1.46                   |
| NIL1-AB-10    | 1680                          | 0.857         | Enamel           | 21                 | 202                | 54.10                            | 0.36     | 1.54                   |
| NIL1-AB-11    | 1600                          | 0.816         | Enamel           | 19                 | 196                | 54.26                            | 0.36     | 1.32                   |
| NIL1-AB-12    | 1520                          | 0.776         | Enamel           | 19                 | 192                | 54.16                            | 0.31     | 1.41                   |
| NIL1-AB-13    | 1440                          | 0.735         | Enamel           | 18                 | 185                | 54.35                            | 0.31     | 1.43                   |
| NIL1-AB-14    | 1360                          | 0.694         | Enamel           | 16                 | 176                | 54.17                            | 0.30     | 1.27                   |
| NIL1-AB-15    | 1280                          | 0.653         | Enamel           | 17                 | 175                | 53.94                            | 0.32     | 1.25                   |
| NIL1-AB-16    | 1200                          | 0.612         | Enamel           | 18                 | 170                | 54.18                            | 0.29     | 1.30                   |
| NIL1-AB-17    | 1120                          | 0.571         | Enamel           | 17                 | 169                | 54.10                            | 0.29     | 1.12                   |
| NIL1-AB-18    | 1040                          | 0.531         | Enamel           | 15                 | 164                | 54.36                            | 0.26     | 1.16                   |
| NIL1-AB-19    | 960                           | 0.490         | Enamel           | 14                 | 160                | 54.13                            | 0.24     | 1.18                   |
| NIL1-AB-20    | 880                           | 0.449         | Enamel           | 14                 | 155                | 54.43                            | 0.24     | 1.05                   |
| NIL1-AB-21    | 800                           | 0.408         | Enamel           | 14                 | 154                | 54.59                            | 0.21     | 1.10                   |
| NIL1-AB-22    | 720                           | 0.367         | Enamel           | 15                 | 153                | 54.53                            | 0.23     | 1.03                   |
| NIL1-AB-23    | 640                           | 0.327         | Enamel           | 13                 | 147                | 54.60                            | 0.24     | 1.04                   |
| NIL1-AB-24    | 560                           | 0.286         | Enamel           | 12                 | 146                | 54.28                            | 0.23     | 0.97                   |
| NIL1-AB-25    | 480                           | 0.245         | Enamel           | 12                 | 142                | 54.39                            | 0.18     | 0.96                   |
| NIL1-AB-26    | 400                           | 0.204         | Enamel           | 11                 | 142                | 54.30                            | 0.20     | 0.91                   |
| NIL1-AB-27    | 320                           | 0.163         | Enamel           | 10                 | 136                | 54.35                            | 0.20     | 1.02                   |
| NIL1-AB-28    | 240                           | 0.122         | Enamel           | 10                 | 135                | 54.27                            | 0.21     | 0.91                   |
| NIL1-AB-29    | 160                           | 0.082         | Enamel           | 10                 | 130                | 54.30                            | 0.19     | 0.87                   |
| NIL1-AB-30    | 80                            | 0.041         | Enamel           | 9                  | 120                | 54.30                            | 0.23     | 0.75                   |

|               |                               |       |                  |          |       |                                  |      |      |
|---------------|-------------------------------|-------|------------------|----------|-------|----------------------------------|------|------|
| <b>Nile-2</b> | <i>Hippopotamus amphibius</i> |       | Sudan Upper Nile | Molar M3 | 21004 | Naturhistorisches Museum, Vienna |      |      |
| NIL2-AB-1     | 1920                          | 0.985 | Enamel           | 105      | 365   | 54.20                            | 0.39 | 1.23 |
| NIL2-AB-2     | 1840                          | 0.944 | Enamel           | 104      | 354   | 53.95                            | 0.39 | 1.17 |
| NIL2-AB-3     | 1760                          | 0.903 | Enamel           | 93       | 343   | 54.25                            | 0.35 | 1.22 |
| NIL2-AB-4     | 1680                          | 0.862 | Enamel           | 89       | 347   | 54.18                            | 0.35 | 1.17 |
| NIL2-AB-5     | 1600                          | 0.821 | Enamel           | 80       | 340   | 53.89                            | 0.34 | 1.23 |
| NIL2-AB-6     | 1520                          | 0.779 | Enamel           | 75       | 338   | 53.79                            | 0.34 | 1.16 |
| NIL2-AB-7     | 1440                          | 0.738 | Enamel           | 74       | 341   | 54.23                            | 0.34 | 1.06 |

|            |      |       |        |    |     |       |      |      |
|------------|------|-------|--------|----|-----|-------|------|------|
| NIL2-AB-8  | 1360 | 0.697 | Enamel | 68 | 339 | 53.95 | 0.33 | 1.11 |
| NIL2-AB-9  | 1280 | 0.656 | Enamel | 66 | 323 | 54.05 | 0.32 | 0.99 |
| NIL2-AB-10 | 1200 | 0.615 | Enamel | 65 | 333 | 54.17 | 0.30 | 1.14 |
| NIL2-AB-11 | 1120 | 0.574 | Enamel | 62 | 330 | 54.48 | 0.32 | 1.04 |
| NIL2-AB-12 | 1040 | 0.533 | Enamel | 61 | 324 | 54.24 | 0.32 | 1.03 |
| NIL2-AB-13 | 960  | 0.492 | Enamel | 58 | 315 | 54.43 | 0.33 | 0.99 |
| NIL2-AB-14 | 880  | 0.451 | Enamel | 61 | 322 | 54.62 | 0.32 | 0.97 |
| NIL2-AB-15 | 800  | 0.410 | Enamel | 67 | 315 | 53.95 | 0.46 | 0.98 |
| NIL2-AB-16 | 720  | 0.369 | Enamel | 67 | 317 | 54.53 | 0.31 | 0.99 |
| NIL2-AB-17 | 640  | 0.328 | Enamel | 66 | 307 | 54.13 | 0.33 | 0.91 |
| NIL2-AB-18 | 560  | 0.287 | Enamel | 63 | 295 | 54.40 | 0.28 | 0.92 |
| NIL2-AB-19 | 480  | 0.246 | Enamel | 64 | 296 | 53.90 | 0.30 | 0.84 |
| NIL2-AB-20 | 400  | 0.205 | Enamel | 65 | 293 | 54.23 | 0.30 | 0.95 |
| NIL2-AB-21 | 320  | 0.164 | Enamel | 64 | 296 | 54.20 | 0.29 | 0.89 |
| NIL2-AB-22 | 240  | 0.123 | Enamel | 63 | 295 | 54.19 | 0.26 | 0.91 |
| NIL2-AB-23 | 160  | 0.082 | Enamel | 59 | 277 | 54.01 | 0.27 | 0.95 |
| NIL2-AB-24 | 80   | 0.041 | Enamel | 59 | 280 | 54.41 | 0.24 | 0.92 |
| NIL2-AB-25 | 40   | 0.021 | Enamel | 57 | 270 | 53.86 | 0.22 | 0.95 |

| <b>Nile-3</b> | <i>Hippopotamus<br/>amphibius</i> |       | Sudan<br>White Nile | Molar M3 | 5576 | Naturhistorisches Museum,<br>Vienna |      |      |
|---------------|-----------------------------------|-------|---------------------|----------|------|-------------------------------------|------|------|
| NIL3 AB-01    | 2300                              | 0.979 | Enamel              | 227      | 522  | 54.91                               | 0.36 | 1.48 |
| NIL3 AB-02    | 2200                              | 0.936 | Enamel              | 207      | 501  | 54.42                               | 0.35 | 1.40 |
| NIL3 AB-03    | 2100                              | 0.894 | Enamel              | 206      | 496  | 54.64                               | 0.33 | 1.36 |
| NIL3 AB-04    | 2000                              | 0.851 | Enamel              | 175      | 497  | 54.80                               | 0.34 | 1.22 |
| NIL3 AB-05    | 1900                              | 0.809 | Enamel              | 169      | 499  | 54.73                               | 0.35 | 1.47 |
| NIL3 AB-06    | 1800                              | 0.766 | Enamel              | 167      | 480  | 54.71                               | 0.33 | 1.39 |
| NIL3 AB-07    | 1700                              | 0.723 | Enamel              | 147      | 475  | 54.44                               | 0.31 | 1.29 |
| NIL3 AB-08    | 1600                              | 0.681 | Enamel              | 127      | 462  | 54.62                               | 0.32 | 1.27 |
| NIL3 AB-09    | 1500                              | 0.638 | Enamel              | 120      | 453  | 54.82                               | 0.35 | 1.26 |
| NIL3 AB-10    | 1400                              | 0.596 | Enamel              | 116      | 443  | 54.98                               | 0.32 | 1.16 |
| NIL3 AB-11    | 1300                              | 0.553 | Enamel              | 108      | 434  | 54.70                               | 0.33 | 1.15 |
| NIL3 AB-12    | 1200                              | 0.511 | Enamel              | 103      | 432  | 55.10                               | 0.34 | 1.15 |
| NIL3 AB-13    | 1100                              | 0.468 | Enamel              | 100      | 435  | 54.80                               | 0.31 | 1.22 |
| NIL3 AB-14    | 1000                              | 0.426 | Enamel              | 99       | 430  | 55.02                               | 0.31 | 1.12 |
| NIL3 AB-15    | 900                               | 0.383 | Enamel              | 98       | 430  | 55.38                               | 0.35 | 1.07 |
| NIL3 AB-16    | 800                               | 0.340 | Enamel              | 94       | 431  | 55.03                               | 0.34 | 1.08 |
| NIL3 AB-17    | 700                               | 0.298 | Enamel              | 93       | 428  | 55.10                               | 0.30 | 1.03 |
| NIL3 AB-18    | 600                               | 0.255 | Enamel              | 98       | 436  | 54.86                               | 0.31 | 0.98 |
| NIL3 AB-19    | 500                               | 0.213 | Enamel              | 110      | 435  | 54.81                               | 0.33 | 1.00 |
| NIL3 AB-20    | 400                               | 0.170 | Enamel              | 122      | 420  | 55.00                               | 0.27 | 0.99 |
| NIL3 AB-21    | 300                               | 0.128 | Enamel              | 120      | 409  | 54.79                               | 0.25 | 0.87 |
| NIL3 AB-22    | 200                               | 0.085 | Enamel              | 122      | 400  | 54.79                               | 0.25 | 0.91 |
| NIL3 AB-23    | 100                               | 0.043 | Enamel              | 121      | 401  | 54.65                               | 0.30 | 0.87 |
| NIL3 AB-24    | 50                                | 0.021 | Enamel              | 115      | 389  | 54.84                               | 0.24 | 0.93 |

| <b>Nile-4</b> | <i>Hippopotamus<br/>amphibius</i> |       | Sudan<br>Blue Nile | Molar M3 | 4227 | Naturhistorisches Museum,<br>Vienna |      |      |
|---------------|-----------------------------------|-------|--------------------|----------|------|-------------------------------------|------|------|
| NIL4 AB-01    | 2800                              | 0.982 | Enamel             | 28       | 190  | 54.30                               | 0.48 | 1.65 |
| NIL4 AB-02    | 2700                              | 0.947 | Enamel             | 29       | 183  | 53.65                               | 0.55 | 1.58 |
| NIL4 AB-03    | 2600                              | 0.912 | Enamel             | 31       | 187  | 54.06                               | 0.50 | 1.48 |
| NIL4 AB-04    | 2500                              | 0.877 | Enamel             | 35       | 189  | 53.93                               | 0.50 | 1.59 |
| NIL4 AB-05    | 2400                              | 0.842 | Enamel             | 30       | 182  | 53.95                               | 0.55 | 1.49 |
| NIL4 AB-06    | 2300                              | 0.807 | Enamel             | 29       | 187  | 53.97                               | 0.53 | 1.45 |
| NIL4 AB-07    | 2200                              | 0.772 | Enamel             | 33       | 214  | 54.22                               | 0.47 | 1.39 |
| NIL4 AB-08    | 2100                              | 0.737 | Enamel             | 26       | 206  | 54.54                               | 0.48 | 1.32 |
| NIL4 AB-09    | 2000                              | 0.702 | Enamel             | 25       | 207  | 54.32                               | 0.51 | 1.35 |
| NIL4 AB-10    | 1900                              | 0.667 | Enamel             | 21       | 202  | 54.25                               | 0.48 | 1.27 |
| NIL4 AB-11    | 1800                              | 0.632 | Enamel             | 19       | 196  | 53.89                               | 0.45 | 1.35 |
| NIL4 AB-12    | 1700                              | 0.596 | Enamel             | 19       | 192  | 53.97                               | 0.49 | 1.33 |
| NIL4 AB-13    | 1600                              | 0.561 | Enamel             | 18       | 185  | 54.67                               | 0.50 | 1.22 |
| NIL4 AB-14    | 1500                              | 0.526 | Enamel             | 16       | 176  | 54.50                               | 0.47 | 1.15 |
| NIL4 AB-15    | 1400                              | 0.491 | Enamel             | 17       | 175  | 54.42                               | 0.41 | 1.25 |
| NIL4 AB-16    | 1300                              | 0.456 | Enamel             | 18       | 170  | 54.17                               | 0.49 | 1.17 |
| NIL4 AB-17    | 1200                              | 0.421 | Enamel             | 17       | 169  | 53.89                               | 0.44 | 1.17 |
| NIL4 AB-18    | 1100                              | 0.386 | Enamel             | 15       | 164  | 54.24                               | 0.44 | 1.18 |
| NIL4 AB-19    | 1000                              | 0.351 | Enamel             | 14       | 160  | 54.22                               | 0.44 | 1.14 |
| NIL4 AB-20    | 900                               | 0.316 | Enamel             | 14       | 155  | 54.43                               | 0.44 | 1.16 |
| NIL4 AB-21    | 800                               | 0.281 | Enamel             | 14       | 154  | 54.30                               | 0.43 | 1.21 |
| NIL4 AB-22    | 700                               | 0.246 | Enamel             | 15       | 153  | 54.29                               | 0.46 | 1.15 |
| NIL4 AB-23    | 600                               | 0.211 | Enamel             | 13       | 147  | 54.71                               | 0.48 | 1.03 |
| NIL4 AB-24    | 500                               | 0.175 | Enamel             | 12       | 146  | 53.97                               | 0.46 | 1.00 |
| NIL4 AB-25    | 400                               | 0.140 | Enamel             | 12       | 142  | 53.96                               | 0.46 | 1.13 |
| NIL4 AB-26    | 300                               | 0.105 | Enamel             | 11       | 142  | 54.16                               | 0.44 | 0.91 |
| NIL4 AB-27    | 200                               | 0.070 | Enamel             | 10       | 136  | 54.17                               | 0.41 | 0.99 |
| NIL4 AB-28    | 100                               | 0.035 | Enamel             | 10       | 135  | 54.21                               | 0.42 | 0.86 |
| NIL4 AB-29    | 50                                | 0.018 | Enamel             | 10       | 130  | 54.55                               | 0.34 | 0.90 |

| Sample       | Distance $\mu\text{m}$        | Distance Norm | Mineral  | Ba $\mu\text{g/g}$ | Sr $\mu\text{g/g}$                           | CaO wt.% | MgO wt.% | Na <sub>2</sub> O wt.% |
|--------------|-------------------------------|---------------|----------|--------------------|--|----------|----------|------------------------|
| <b>S-276</b> | <i>Hippopotamus amphibius</i> | Zoo           | Molar M3 | Collection         | Inst. Geosciences, University Mainz, Germany |          |          |                        |
| S276-1AB-01  | 50                            | 0.017         | Enamel   | 59                 | 283  | 55.15    | 0.30     | 0.63                   |
| S276-1AB-02  | 126                           | 0.043         | Enamel   | 58                 | 280  | 55.51    | 0.23     | 0.81                   |
| S276-1AB-03  | 252                           | 0.085         | Enamel   | 55                 | 288  | 55.03    | 0.34     | 0.81                   |
| S276-1AB-04  | 378                           | 0.128         | Enamel   | 59                 | 299  | 55.41    | 0.23     | 0.83                   |
| S276-1AB-05  | 504                           | 0.171         | Enamel   | 59                 | 295  | 55.54    | 0.29     | 0.92                   |
| S276-1AB-06  | 630                           | 0.214         | Enamel   | 61                 | 312  | 55.82    | 0.28     | 0.86                   |
| S276-1AB-07  | 756                           | 0.256         | Enamel   | 68                 | 337  | 55.41    | 0.27     | 0.87                   |
| S276-1AB-08  | 882                           | 0.299         | Enamel   | 63                 | 329  | 55.13    | 0.22     | 0.87                   |
| S276-1AB-09  | 1008                          | 0.342         | Enamel   | 62                 | 328  | 55.77    | 0.26     | 1.00                   |
| S276-1AB-10  | 1134                          | 0.384         | Enamel   | 67                 | 343  | 55.42    | 0.22     | 0.94                   |
| S276-1AB-11  | 1260                          | 0.427         | Enamel   | 74                 | 361  | 55.36    | 0.30     | 0.97                   |
| S276-1AB-12  | 1386                          | 0.470         | Enamel   | 74                 | 362  | 55.43    | 0.29     | 1.02                   |
| S276-1AB-13  | 1512                          | 0.513         | Enamel   | 75                 | 380  | 55.02    | 0.30     | 1.09                   |
| S276-1AB-14  | 1638                          | 0.555         | Enamel   | 76                 | 390  | 55.52    | 0.32     | 1.18                   |
| S276-1AB-15  | 1764                          | 0.598         | Enamel   | 87                 | 402  | 55.36    | 0.26     | 1.03                   |
| S276-1AB-16  | 1890                          | 0.641         | Enamel   | 85                 | 401  | 54.82    | 0.31     | 1.10                   |
| S276-1AB-17  | 2016                          | 0.683         | Enamel   | 88                 | 408  | 54.81    | 0.30     | 1.10                   |
| S276-1AB-18  | 2142                          | 0.726         | Enamel   | 88                 | 407  | 55.08    | 0.29     | 1.04                   |
| S276-1AB-19  | 2268                          | 0.769         | Enamel   | 84                 | 409  | 55.67    | 0.31     | 1.11                   |
| S276-1AB-20  | 2394                          | 0.812         | Enamel   | 96                 | 415  | 55.26    | 0.32     | 1.10                   |
| S276-1AB-21  | 2520                          | 0.854         | Enamel   | 102                | 425  | 54.88    | 0.33     | 1.06                   |
| S276-1AB-22  | 2646                          | 0.897         | Enamel   | 104                | 441  | 55.15    | 0.33     | 1.22                   |
| S276-1AB-23  | 2772                          | 0.940         | Enamel   | 116                | 475  | 55.05    | 0.35     | 1.23                   |
| S276-1AB-24  | 2898                          | 0.982         | Enamel   | 123                | 466  | 55.13    | 0.37     | 1.27                   |
| S276-1AB-25  | 3024                          | 1.025         | Dentin   | 98                 | 374  | 52.48    | 1.17     | 0.97                   |
| S276-1AB-26  | 3150                          | 1.068         | Dentin   | 135                | 365  | 50.60    | 2.05     | 1.01                   |
| S276-1AB-27  | 3276                          | 1.111         | Dentin   | 137                | 364  | 49.49    | 2.75     | 1.14                   |
| S276-1AB-28  | 3402                          | 1.153         | Dentin   | 140                | 369  | 48.61    | 2.87     | 1.10                   |
| S276-1AB-29  | 3528                          | 1.196         | Dentin   | 145                | 370  | 49.09    | 3.16     | 1.11                   |
| S276-1AB-30  | 3654                          | 1.239         | Dentin   | 128                | 334  | 48.60    | 3.21     | 1.23                   |
| S276-2AB-01  | 50                            | 0.009         | Cement   | 312                | 351  | 51.04    | 1.30     | 0.90                   |
| S276-2AB-02  | 233                           | 0.041         | Cement   | 235                | 319  | 52.22    | 1.30     | 0.91                   |
| S276-2AB-03  | 466                           | 0.082         | Cement   | 206                | 301  | 52.35    | 1.17     | 0.94                   |
| S276-2AB-04  | 699                           | 0.123         | Cement   | 171                | 272  | 52.89    | 0.99     | 1.17                   |
| S276-2AB-05  | 932                           | 0.164         | Cement   | 225                | 305  | 53.01    | 1.10     | 1.14                   |
| S276-2AB-06  | 1165                          | 0.204         | Cement   | 213                | 286  | 53.47    | 1.01     | 0.93                   |
| S276-2AB-07  | 1398                          | 0.245         | Cement   | 254                | 287  | 52.85    | 1.12     | 1.53                   |
| S276-2AB-08  | 1631                          | 0.286         | Cement   | 244                | 319  | 52.51    | 1.41     | 1.32                   |
| S276-2AB-09  | 1864                          | 0.327         | Cement   | 290                | 342  | 51.84    | 1.25     | 1.01                   |
| S276-2AB-10  | 2097                          | 0.368         | Enamel   | 93                 | 387  | 54.53    | 0.44     | 0.94                   |

|             |      |       |        |     |     |       |      |      |
|-------------|------|-------|--------|-----|-----|-------|------|------|
| S276-2AB-11 | 2330 | 0.409 | Enamel | 96  | 341 | 54.14 | 0.88 | 0.98 |
| S276-2AB-12 | 2563 | 0.450 | Enamel | 87  | 318 | 54.13 | 0.85 | 0.94 |
| S276-2AB-13 | 2796 | 0.491 | Enamel | 69  | 274 | 54.54 | 0.58 | 0.93 |
| S276-2AB-14 | 3029 | 0.531 | Enamel | 76  | 311 | 54.61 | 0.67 | 0.85 |
| S276-2AB-15 | 3262 | 0.572 | Enamel | 69  | 308 | 55.70 | 0.39 | 0.94 |
| S276-2AB-16 | 3495 | 0.613 | Enamel | 66  | 312 | 55.67 | 0.28 | 0.89 |
| S276-2AB-17 | 3728 | 0.654 | Enamel | 65  | 322 | 55.33 | 0.29 | 0.96 |
| S276-2AB-18 | 3961 | 0.695 | Enamel | 61  | 317 | 55.17 | 0.28 | 0.89 |
| S276-2AB-19 | 4194 | 0.736 | Enamel | 63  | 327 | 55.30 | 0.30 | 0.99 |
| S276-2AB-20 | 4427 | 0.777 | Enamel | 68  | 344 | 55.41 | 0.34 | 0.99 |
| S276-2AB-21 | 4660 | 0.818 | Enamel | 75  | 372 | 55.84 | 0.34 | 1.05 |
| S276-2AB-22 | 4893 | 0.858 | Enamel | 81  | 384 | 55.26 | 0.36 | 1.09 |
| S276-2AB-23 | 5126 | 0.899 | Enamel | 79  | 370 | 53.85 | 0.39 | 1.19 |
| S276-2AB-24 | 5359 | 0.940 | Enamel | 80  | 387 | 55.11 | 0.40 | 1.14 |
| S276-2AB-25 | 5592 | 0.981 | Enamel | 106 | 422 | 55.27 | 0.38 | 1.12 |
| S276-2AB-26 | 5825 | 1.022 | dentin | 115 | 459 | 55.36 | 0.45 | 1.37 |
| S276-2AB-27 | 6058 | 1.063 | dentin | 121 | 335 | 52.79 | 0.94 | 1.05 |
| S276-2AB-28 | 6291 | 1.104 | dentin | 144 | 372 | 49.40 | 3.06 | 1.09 |
| S276-2AB-29 | 6524 | 1.145 | dentin | 145 | 364 | 49.38 | 3.24 | 1.29 |
| S276-2AB-30 | 6757 | 1.185 | dentin | 138 | 360 | 49.45 | 3.25 | 1.22 |
|             |      |       |        |     |     |       |      |      |
| S276-3AB-01 | 50   | 0.010 | Cement | 328 | 404 | 51.46 | 1.28 | 0.91 |
| S276-3AB-02 | 184  | 0.036 | Cement | 240 | 310 | 52.10 | 1.34 | 0.93 |
| S276-3AB-03 | 368  | 0.073 | Cement | 266 | 304 | 53.11 | 1.19 | 1.10 |
| S276-3AB-04 | 552  | 0.109 | Cement | 229 | 335 | 52.34 | 1.18 | 0.96 |
| S276-3AB-05 | 736  | 0.146 | Cement | 213 | 288 | 53.26 | 1.12 | 0.89 |
| S276-3AB-06 | 920  | 0.182 | Cement | 247 | 285 | 52.79 | 1.03 | 0.98 |
| S276-3AB-07 | 1104 | 0.219 | Cement | 302 | 294 | 51.94 | 1.22 | 1.01 |
| S276-3AB-08 | 1288 | 0.255 | Enamel | 57  | 290 | 54.88 | 0.40 | 0.91 |
| S276-3AB-09 | 1472 | 0.291 | Enamel | 61  | 292 | 54.99 | 0.34 | 0.92 |
| S276-3AB-10 | 1656 | 0.328 | Enamel | 68  | 295 | 55.24 | 0.36 | 0.85 |
| S276-3AB-11 | 1840 | 0.364 | Enamel | 79  | 303 | 54.76 | 0.38 | 1.00 |
| S276-3AB-12 | 2024 | 0.401 | Enamel | 78  | 303 | 55.11 | 0.33 | 0.91 |
| S276-3AB-13 | 2208 | 0.437 | Enamel | 80  | 312 | 55.12 | 0.36 | 0.97 |
| S276-3AB-14 | 2392 | 0.474 | Enamel | 84  | 326 | 55.57 | 0.35 | 0.96 |
| S276-3AB-15 | 2576 | 0.510 | Enamel | 85  | 327 | 55.11 | 0.34 | 1.01 |
| S276-3AB-16 | 2760 | 0.547 | Enamel | 89  | 332 | 55.35 | 0.36 | 1.14 |
| S276-3AB-17 | 2944 | 0.583 | Enamel | 99  | 349 | 55.33 | 0.34 | 1.03 |
| S276-3AB-18 | 3128 | 0.619 | Enamel | 102 | 364 | 55.24 | 0.37 | 1.15 |
| S276-3AB-19 | 3312 | 0.656 | Enamel | 106 | 379 | 54.95 | 0.36 | 1.02 |
| S276-3AB-20 | 3496 | 0.692 | Enamel | 104 | 365 | 54.84 | 0.35 | 1.16 |
| S276-3AB-21 | 3680 | 0.729 | Enamel | 108 | 379 | 55.20 | 0.36 | 1.15 |
| S276-3AB-22 | 3864 | 0.765 | Enamel | 116 | 407 | 55.34 | 0.38 | 1.25 |
| S276-3AB-23 | 4048 | 0.802 | Enamel | 115 | 413 | 55.73 | 0.35 | 1.23 |
| S276-3AB-24 | 4232 | 0.838 | Enamel | 126 | 449 | 55.18 | 0.34 | 1.13 |
| S276-3AB-25 | 4416 | 0.874 | Enamel | 109 | 435 | 55.07 | 0.30 | 1.11 |
| S276-3AB-26 | 4600 | 0.911 | Enamel | 109 | 445 | 55.30 | 0.41 | 1.38 |

|             |       |       |        |     |     |       |      |      |
|-------------|-------|-------|--------|-----|-----|-------|------|------|
| S276-3AB-27 | 4784  | 0.947 | Enamel | 121 | 432 | 54.43 | 0.39 | 1.28 |
| S276-3AB-28 | 4968  | 0.984 | Enamel | 113 | 344 | 52.91 | 0.81 | 0.99 |
| S276-3AB-29 | 5152  | 1.020 | dentin | 132 | 325 | 50.07 | 2.23 | 1.17 |
| S276-EF-01  | 100   | 0.002 | Enamel | 121 | 448 | 55.25 | 0.32 | 1.14 |
| S276-EF-02  | 600   | 0.011 | Enamel | 122 | 428 | 54.90 | 0.36 | 1.14 |
| S276-EF-03  | 1100  | 0.021 | Enamel | 122 | 435 | 55.03 | 0.35 | 1.13 |
| S276-EF-04  | 1600  | 0.030 | Enamel | 117 | 423 | 54.68 | 0.36 | 1.20 |
| S276-EF-05  | 2100  | 0.039 | Enamel | 114 | 428 | 54.65 | 0.36 | 1.14 |
| S276-EF-06  | 2600  | 0.049 | Enamel | 111 | 428 | 54.96 | 0.39 | 1.15 |
| S276-EF-07  | 3100  | 0.058 | Enamel | 116 | 433 | 54.66 | 0.38 | 1.22 |
| S276-EF-08  | 3600  | 0.067 | Enamel | 122 | 443 | 54.85 | 0.36 | 1.13 |
| S276-EF-09  | 4100  | 0.077 | Enamel | 112 | 440 | 55.07 | 0.40 | 1.31 |
| S276-EF-10  | 4600  | 0.086 | Enamel | 115 | 438 | 54.86 | 0.38 | 1.28 |
| S276-EF-11  | 5100  | 0.095 | Enamel | 113 | 438 | 55.06 | 0.39 | 1.18 |
| S276-EF-12  | 5600  | 0.105 | Enamel | 118 | 442 | 54.92 | 0.41 | 1.30 |
| S276-EF-13  | 6100  | 0.114 | Enamel | 115 | 440 | 54.63 | 0.38 | 1.28 |
| S276-EF-14  | 6600  | 0.123 | Enamel | 117 | 443 | 55.03 | 0.40 | 1.26 |
| S276-EF-15  | 7100  | 0.133 | Enamel | 114 | 427 | 54.72 | 0.41 | 1.21 |
| S276-EF-16  | 7600  | 0.142 | Enamel | 117 | 435 | 54.81 | 0.43 | 1.26 |
| S276-EF-17  | 8100  | 0.151 | Enamel | 112 | 415 | 54.73 | 0.40 | 1.19 |
| S276-FG-01  | 8600  | 0.161 | Enamel | 94  | 399 | 54.73 | 0.40 | 1.19 |
| S276-FG-02  | 9100  | 0.170 | Enamel | 97  | 404 | 55.04 | 0.42 | 1.18 |
| S276-FG-03  | 9600  | 0.179 | Enamel | 99  | 408 | 54.67 | 0.41 | 1.20 |
| S276-FG-04  | 10100 | 0.189 | Enamel | 105 | 416 | 54.28 | 0.40 | 1.22 |
| S276-FG-05  | 10600 | 0.198 | Enamel | 105 | 411 | 54.83 | 0.39 | 1.23 |
| S276-FG-06  | 11100 | 0.207 | Enamel | 107 | 407 | 54.24 | 0.38 | 1.20 |
| S276-FG-07  | 11600 | 0.217 | Enamel | 104 | 414 | 54.46 | 0.38 | 1.29 |
| S276-FG-08  | 12100 | 0.226 | Enamel | 104 | 413 | 54.86 | 0.36 | 1.21 |
| S276-FG-09  | 12600 | 0.236 | Enamel | 110 | 422 | 54.66 | 0.38 | 1.20 |
| S276-FG-10  | 13100 | 0.245 | Enamel | 106 | 413 | 55.06 | 0.36 | 1.29 |
| S276-FG-11  | 13600 | 0.254 | Enamel | 111 | 427 | 54.42 | 0.38 | 1.26 |
| S276-FG-12  | 14100 | 0.264 | Enamel | 112 | 427 | 54.66 | 0.44 | 1.31 |
| S276-gh-01  | 14600 | 0.273 | Enamel | 117 | 435 | 54.66 | 0.40 | 1.24 |
| S276-gh-02  | 15100 | 0.282 | Enamel | 115 | 436 | 54.66 | 0.40 | 1.24 |
| S276-gh-03  | 15600 | 0.292 | Enamel | 111 | 423 | 54.58 | 0.39 | 1.29 |
| S276-gh-04  | 16100 | 0.301 | Enamel | 116 | 440 | 54.86 | 0.39 | 1.34 |
| S276-gh-05  | 16600 | 0.310 | Enamel | 115 | 432 | 54.85 | 0.39 | 1.32 |
| S276-gh-06  | 17100 | 0.320 | Enamel | 119 | 433 | 53.83 | 0.37 | 1.33 |
| S276-gh-07  | 17600 | 0.329 | Enamel | 111 | 422 | 54.54 | 0.39 | 1.35 |
| S276-gh-08  | 18100 | 0.338 | Enamel | 112 | 424 | 53.25 | 0.36 | 1.26 |
| S276-gh-09  | 18600 | 0.348 | Enamel | 114 | 427 | 54.83 | 0.41 | 1.39 |
| S276-gh-10  | 19100 | 0.357 | Enamel | 115 | 424 | 54.81 | 0.42 | 1.29 |
| S276-gh-11  | 19600 | 0.366 | Enamel | 126 | 426 | 54.58 | 0.39 | 1.37 |
| S276-gh-12  | 20100 | 0.376 | Enamel | 128 | 417 | 54.75 | 0.35 | 1.34 |

|            |       |       |        |     |     |       |      |      |
|------------|-------|-------|--------|-----|-----|-------|------|------|
| S276-gh-13 | 20600 | 0.385 | Enamel | 123 | 414 | 55.05 | 0.39 | 1.35 |
| S276-gh-14 | 21100 | 0.394 | Enamel | 120 | 404 | 54.91 | 0.40 | 1.38 |
| S276-gh-15 | 21600 | 0.404 | Enamel | 122 | 404 | 54.67 | 0.39 | 1.28 |
| S276-gh-16 | 22100 | 0.413 | Enamel | 127 | 400 | 54.89 | 0.37 | 1.29 |
| S276-gh-17 | 22600 | 0.422 | Enamel | 133 | 405 | 54.82 | 0.38 | 1.41 |
| S276-gh-18 | 23100 | 0.432 | Enamel | 138 | 414 | 55.22 | 0.41 | 1.40 |
| S276-gh-19 | 23600 | 0.441 | Enamel | 134 | 408 | 54.82 | 0.44 | 1.29 |
| S276-gh-20 | 24100 | 0.450 | Enamel | 137 | 403 | 55.09 | 0.41 | 1.35 |
| S276-gh-21 | 24600 | 0.460 | Enamel | 138 | 410 | 55.03 | 0.39 | 1.30 |
| S276-gh-22 | 25100 | 0.469 | Enamel | 134 | 401 | 55.41 | 0.39 | 1.28 |
| S276-hi-01 | 25600 | 0.479 | Enamel | 138 | 415 | 55.41 | 0.39 | 1.28 |
| S276-hi-02 | 26100 | 0.488 | Enamel | 123 | 418 | 55.13 | 0.40 | 1.23 |
| S276-hi-03 | 26600 | 0.497 | Enamel | 111 | 417 | 54.91 | 0.37 | 1.24 |
| S276-hi-04 | 27100 | 0.507 | Enamel | 106 | 414 | 54.92 | 0.42 | 1.13 |
| S276-hi-05 | 27600 | 0.516 | Enamel | 109 | 434 | 54.82 | 0.43 | 1.12 |
| S276-hi-06 | 28100 | 0.525 | Enamel | 115 | 428 | 55.00 | 0.37 | 1.17 |
| S276-hi-07 | 28600 | 0.535 | Enamel | 115 | 425 | 55.26 | 0.36 | 1.17 |
| S276-hi-08 | 29100 | 0.544 | Enamel | 122 | 431 | 55.28 | 0.36 | 1.17 |
| S276-hi-09 | 29600 | 0.553 | Enamel | 130 | 443 | 55.30 | 0.35 | 1.12 |
| S276-hi-10 | 30100 | 0.563 | Enamel | 127 | 438 | 54.73 | 0.39 | 1.10 |
| S276-hi-11 | 30600 | 0.572 | Enamel | 128 | 421 | 55.60 | 0.35 | 1.07 |
| S276-hi-12 | 31100 | 0.581 | Enamel | 126 | 411 | 55.12 | 0.41 | 1.30 |
| S276-hi-13 | 31600 | 0.591 | Enamel | 134 | 426 | 55.13 | 0.40 | 1.21 |
| S276-hi-14 | 32100 | 0.600 | Enamel | 133 | 425 | 55.22 | 0.38 | 1.27 |
| S276-hi-15 | 32600 | 0.609 | Enamel | 134 | 425 | 55.35 | 0.39 | 1.34 |
| S276-hi-16 | 33100 | 0.619 | Enamel | 144 | 420 | 55.24 | 0.40 | 1.23 |
| S276-hi-17 | 33600 | 0.628 | Enamel | 139 | 406 | 54.22 | 0.38 | 1.18 |
| S276-hi-18 | 34100 | 0.637 | Enamel | 144 | 401 | 55.48 | 0.40 | 1.27 |
| S276-hi-19 | 34600 | 0.647 | Enamel | 143 | 398 | 55.40 | 0.38 | 1.15 |
| S276-hi-20 | 35100 | 0.656 | Enamel | 144 | 402 | 55.56 | 0.38 | 1.26 |
| S276-hi-21 | 35600 | 0.665 | Enamel | 151 | 403 | 55.55 | 0.38 | 1.18 |
| S276-hi-22 | 36100 | 0.675 | Enamel | 147 | 395 | 55.34 | 0.39 | 1.24 |
| S276-hi-23 | 36600 | 0.684 | Enamel | 147 | 389 | 55.29 | 0.37 | 1.25 |
| S276-hi-24 | 37100 | 0.693 | Enamel | 146 | 392 | 55.52 | 0.38 | 1.31 |
| S276-hi-25 | 37600 | 0.703 | Enamel | 150 | 386 | 55.48 | 0.41 | 1.21 |
| S276-hi-26 | 38100 | 0.712 | Enamel | 159 | 405 | 55.03 | 0.37 | 1.32 |
| S276-hi-27 | 38600 | 0.721 | Enamel | 166 | 414 | 55.41 | 0.38 | 1.30 |
| S276-hi-28 | 39100 | 0.731 | Enamel | 160 | 402 | 55.21 | 0.45 | 1.35 |
| S276-hi-29 | 39600 | 0.740 | Enamel | 132 | 408 | 55.51 | 0.40 | 1.27 |
| S276-hi-30 | 40100 | 0.750 | Enamel | 116 | 409 | 54.68 | 0.40 | 1.27 |
| S276-hi-31 | 40600 | 0.759 | Enamel | 119 | 430 | 54.99 | 0.39 | 1.27 |
| S276-hi-32 | 41100 | 0.768 | Enamel | 130 | 441 | 54.84 | 0.39 | 1.28 |
| S276-hi-33 | 41600 | 0.778 | Enamel | 152 | 469 | 54.96 | 0.40 | 1.32 |
| S276-hi-34 | 42100 | 0.787 | Enamel | 143 | 448 | 55.04 | 0.37 | 1.17 |
| S276-hi-35 | 42600 | 0.796 | Enamel | 130 | 401 | 54.84 | 0.39 | 1.22 |
| S276-hi-36 | 43100 | 0.806 | Enamel | 121 | 418 | 54.40 | 0.39 | 1.17 |

|            |       |       |        |     |     |       |      |      |
|------------|-------|-------|--------|-----|-----|-------|------|------|
| S276-ij-01 | 43600 | 0.815 | Enamel | 126 | 436 | 54.79 | 0.35 | 1.19 |
| S276-ij-02 | 44100 | 0.824 | Enamel | 146 | 388 | 54.79 | 0.35 | 1.19 |
| S276-ij-03 | 44600 | 0.834 | Enamel | 157 | 390 | 54.98 | 0.36 | 1.32 |
| S276-ij-04 | 45100 | 0.843 | Enamel | 174 | 388 | 54.07 | 0.35 | 1.35 |
| S276-ij-05 | 45600 | 0.852 | Enamel | 142 | 368 | 54.67 | 0.42 | 1.30 |
| S276-ij-06 | 46100 | 0.862 | Enamel | 187 | 386 | 54.81 | 0.39 | 1.21 |
| S276-ij-07 | 46600 | 0.871 | Enamel | 142 | 368 | 54.46 | 0.38 | 1.29 |
| S276-ij-08 | 47100 | 0.880 | Enamel | 157 | 393 | 54.21 | 0.39 | 1.44 |
| S276-ij-09 | 47600 | 0.890 | Enamel | 109 | 367 | 54.43 | 0.40 | 1.33 |
| S276-ij-10 | 48100 | 0.899 | Enamel | 126 | 378 | 54.47 | 0.39 | 1.23 |
| S276-ij-11 | 48600 | 0.908 | Enamel | 132 | 383 | 54.29 | 0.39 | 1.29 |
| S276-ij-12 | 49100 | 0.918 | Enamel | 124 | 375 | 54.30 | 0.38 | 1.31 |
| S276-ij-13 | 49600 | 0.927 | Enamel | 135 | 367 | 54.39 | 0.37 | 1.40 |
| S276-jk-01 | 50100 | 0.936 | Enamel | 158 | 367 | 54.39 | 0.37 | 1.40 |
| S276-jk-02 | 50600 | 0.946 | Enamel | 129 | 367 | 54.20 | 0.39 | 1.47 |
| S276-jk-03 | 51100 | 0.955 | Enamel | 128 | 375 | 54.41 | 0.40 | 1.43 |
| S276-jk-04 | 51600 | 0.964 | Enamel | 91  | 352 | 54.50 | 0.40 | 1.47 |
| S276-jk-05 | 52100 | 0.974 | Enamel | 108 | 318 | 54.11 | 0.55 | 1.62 |
| S276-jk-06 | 52600 | 0.983 | Enamel | 110 | 323 | 54.36 | 0.51 | 1.33 |
| S276-jk-07 | 53100 | 0.993 | Enamel | 176 | 464 | 54.23 | 0.37 | 1.29 |