Supplementary Table 1. Nobles Pond specimen measures and original-mass estimates.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | flake axial | flk. thick- | platform | platform |  | MASS | ESTIMATES |
| Cat # | Material | mass (g) | ln-mass | log-mass | length (mm) | ness (mm) | type | area (mm2) | EPA | C&H1 | Dogandzic et al.2 |
| 2562 | Upper Mercer | 5.1 | 1.63 | 0.71 | 30.60 | 5.62 | faceted | 14.54758 | 80 | 33.01 | 9.88 |
| 2566 | Upper Mercer | 9.4 | 2.24 | 0.97 | 36.39 | 7.11 | flat | 16.02429 | 85 | 35.31 | 14.66 |
| 2994 | Flint Ridge | 9.6 | 2.26 | 0.98 | 32.84 | 11.09 | flat | 13.64204 | 100 | 41.74 | 30.94 |
| 4720 | Upper Mercer | 4.0 | 1.39 | 0.60 | 25.32 | 5.61 | faceted | 24.47647 | 60 | 24.74 | 9.85 |
| 4817 | other | 4.4 | 1.48 | 0.64 | 24.89 | 7.61 | faceted | 37.77902 | 80 | 33.98 | 16.44 |
| 4824 | Upper Mercer | 3.5 | 1.25 | 0.54 | 26.10 | 7.15 | flat | 14.44539 | 70 | 28.60 | 14.8 |
| 4834 | Flint Ridge | 2.4 | 0.88 | 0.38 | 24.17 | 5.62 | faceted | 9.39076 | 70 | 28.16 | 9.88 |
| 5213 | Upper Mercer | 6.4 | 1.86 | 0.81 | 32.29 | 5.43 | flat | 19.39332 | 80 | 33.30 | 9.32 |
| 5558 | Upper Mercer | 7.1 | 1.96 | 0.85 | 33.86 | 5.95 | flat | 15.31113 | 75 | 30.86 | 10.87 |
| 6121 | Flint Ridge | 4.2 | 1.44 | 0.62 | 30.11 | 5.95 | faceted | 8.52372 | 85 | 34.66 | 10.87 |
| 6646 | Upper Mercer | 11.8 | 2.47 | 1.07 | 37.77 | 12.02 | flat | 14.74462 | 85 | 35.22 | 35.43 |
| 7025 | Flint Ridge | 7.1 | 1.96 | 0.85 | 26.90 | 7.51 | flat | 80.92371 | 80 | 34.75 | 16.08 |
| 7581 | Upper Mercer | 8.0 | 2.08 | 0.90 | 31.71 | 8.10 | faceted | 70.64115 | 80 | 34.62 | 18.25 |
| 7750 | other | 12.0 | 2.48 | 1.08 | 35.33 | 11.41 | flat | 68.0089 | 90 | 38.98 | 32.46 |
| 8697 | Flint Ridge | 8.4 | 2.13 | 0.92 | 38.61 | 10.13 | faceted | 17.18822 | 60 | 24.38 | 26.58 |
| 10015 | other | 6.7 | 1.90 | 0.83 | 30.74 | 7.28 | flat | 19.17661 | 75 | 31.09 | 15.26 |
| 10128 | Flint Ridge | 6.6 | 1.89 | 0.82 | 30.20 | 8.81 | faceted | 32.52129 | 90 | 38.23 | 21.02 |
| 10350 | Flint Ridge | 2.9 | 1.06 | 0.46 | 25.63 | 6.28 |  |  |  |  | 11.9 |
| 10981 | Flint Ridge | 5.4 | 1.69 | 0.73 | 33.08 | 8.37 | flat | 24.49402 | 80 | 33.54 | 19.29 |
| 12280 | other | 5.0 | 1.61 | 0.70 | 34.87 | 7.55 | flat | 15.47842 | 85 | 35.27 | 16.22 |
| 13920 | Upper Mercer | 7.7 | 2.04 | 0.89 | 35.23 | 7.33 | flat |  |  |  | 15.43 |
| 15354 | Flint Ridge | 3.5 | 1.25 | 0.54 | 23.06 | 7.86 | faceted | 9.07089 | 70 | 28.13 | 17.35 |
| 16120 | Upper Mercer | 4.0 | 1.39 | 0.60 | 30.48 | 4.76 | flat | 6.64095 | 80 | 32.21 | 7.47 |
| 17539 | other | 13.7 | 2.62 | 1.14 | 37.62 | 13.25 | flat | 63.68484 | 90 | 38.91 | 41.73 |
| 28288 | Flint Ridge | 5.7 | 1.74 | 0.76 | 35.03 | 6.68 | flat | 6.44549 | 70 | 27.78 | 13.2 |
| 30033 | Flint Ridge | 5.6 | 1.72 | 0.75 | 28.96 | 7.11 | flat | 35.86038 | 80 | 33.93 | 14.66 |
| 31943 | Flint Ridge | 6.6 | 1.89 | 0.82 | 32.60 | 7.81 | flat | 19.79583 | 85 | 35.52 | 17.17 |

1Clarkson & Hiscock 2011:1067 mass=-4.92 + 2.345\*log-platformareamm + 0.44\*EPA

2Dogandzic et al. 2015 data: ln-mass = -0.61 + 1.68\*ln-flake thickness