Table S2. Multi-zircon aliquot U-Pb analyses determined by isotope dilution thermal ionization mass spectrometry at University of Kansas Isotope Geochemistry Laboratory. Analyzed May, 1991. Isotopic ratios are corrected for blank and common Pb from 204Pb and Stacey and Kramers (1975) Pb evolution model. Assumed 238U/235U= 137.82 (Hiess et al., 2012).

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sample aliquot** | **U ppm** | **206Pb/238U** | **±1σ (%)** | **207Pb/206Pb** | **±1σ (%)** | **207Pb/235U** | **±1σ (%)** | **Rho** | **206Pb/238Udate (Ma)** | **±1σ (Ma)** |
| *South Merrimac* |  |  |  |  |  |  |  |  |  |  |
| 151S-1 | 863 | 0.0207799 | 0.476 | 0.048775 | 0.112 | 0.1397 | 0.489 | 0.97 | 132.6 | 0.6 |
| 151S-2 | 944 | 0.0209001 | 0.518 | 0.0481443 | 0.155 | 0.1387 | 0.541 | 0.96 | 133.3 | 0.7 |
| 151S-3 | 2137 | 0.0210257 | 0.482 | 0.0488731 | 0.0545 | 0.1416 | 0.485 | 0.99 | 134.1 | 0.6 |
|  |  |  |  |  |  |  |  |  |  |  |
| *North Merrimac* |  |  |  |  |  |  |  |  |  |  |
| 235N-1 | 281 | 0.0217989 | 0.534 | 0.0488039 | 0.155 | 0.1466 | 0.556 | 0.96 | 139.0 | 0.7 |
| 235N-2 | 134 | 0.0220643 | 0.468 | 0.0488198 | 0.144 | 0.1485 | 0.490 | 0.96 | 140.7 | 0.7 |
| 235N-3 | 278 | 0.0211874 | 0.536 | 0.0487506 | 0.693 | 0.1424 | 0.876 | 0.61 | 135.2 | 0.7 |
|  |  |  |  |  |  |  |  |  |  |  |

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Figure S1. Concordia plot of data in Table S2.