Appendix Table 7. Lead isotopic compositions of the sulfides and the Wulanba granite.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample No. | Lithology/mineral | 206Pb/204Pb | 2σ | 207Pb/204Pb | 2σ | 208Pb/204Pb | 2σ | (206Pb/204Pb)i | (207Pb/204Pb)i | (208Pb/204Pb)i |
| Granite | | | | | | | | |  |  |
| HL14-2 | Biotite monzogranite | 18.546 | 0.003 | 15.529 | 0.003 | 38.295 | 0.006 | 18.179 | 15.511 | 38.021 |
| HL14-3 | Biotite monzogranite | 18.877 | 0.002 | 15.562 | 0.002 | 38.579 | 0.004 | 18.332 | 15.535 | 38.109 |
| HL14-44 | Biotite monzogranite | 19.363 | 0.003 | 15.562 | 0.002 | 39.117 | 0.005 | 18.417 | 15.516 | 38.087 |
| HL14-45 | Biotite monzogranite | 19.721 | 0.002 | 15.592 | 0.002 | 39.283 | 0.006 | 18.479 | 15.531 | 38.119 |
| HL14-46 | Biotite monzogranite | 18.485 | 0.002 | 15.522 | 0.002 | 38.322 | 0.005 | 18.213 | 15.509 | 38.036 |
| HL13-16 | Syenitegranite | 18.658 | 0.001 | 15.544 | 0.001 | 38.424 | 0.003 | 18.510 | 15.537 | 38.084 |
| HL13-17 | Syenitegranite | 18.950 | 0.002 | 15.557 | 0.002 | 38.663 | 0.005 | 18.739 | 15.547 | 38.025 |
| Sulfide | | | | | | | | |  |  |
| 863-0-5 | Sphalerite | 18.320 | 0.002 | 15.579 | 0.002 | 38.264 | 0.005 | 18.320 | 15.579 | 38.264 |
| 863-3-3 | Sphalerite | 18.360 | 0.004 | 15.626 | 0.004 | 38.421 | 0.013 | 18.360 | 15.626 | 38.421 |
| 863-3-5 | Sphalerite | 18.260 | 0.002 | 15.509 | 0.002 | 38.024 | 0.004 | 18.260 | 15.509 | 38.024 |
| 863-3-7 | Sphalerite | 18.262 | 0.002 | 15.510 | 0.001 | 38.037 | 0.004 | 18.262 | 15.510 | 38.037 |
| 863-5-2 | Sphalerite | 18.332 | 0.008 | 15.588 | 0.009 | 38.301 | 0.032 | 18.332 | 15.588 | 38.301 |
| 863-5-4 | Sphalerite | 18.343 | 0.002 | 15.609 | 0.002 | 38.364 | 0.005 | 18.343 | 15.609 | 38.364 |
| 863-5-5-1 | Sphalerite | 18.347 | 0.006 | 15.610 | 0.007 | 38.363 | 0.025 | 18.347 | 15.610 | 38.363 |
| 863-5-7 | Sphalerite | 18.271 | 0.003 | 15.505 | 0.002 | 38.030 | 0.006 | 18.271 | 15.505 | 38.030 |
| 863-7-6 | Sphalerite | 18.318 | 0.003 | 15.575 | 0.003 | 38.262 | 0.008 | 18.318 | 15.575 | 38.262 |
| 863-9-7 | Sphalerite | 18.274 | 0.004 | 15.528 | 0.003 | 38.099 | 0.008 | 18.274 | 15.528 | 38.099 |
| 863-13-2 | Sphalerite | 18.359 | 0.004 | 15.627 | 0.005 | 38.421 | 0.016 | 18.359 | 15.627 | 38.421 |
| 863-13-4 | Sphalerite | 18.267 | 0.002 | 15.502 | 0.002 | 38.018 | 0.004 | 18.267 | 15.502 | 38.018 |
| 863-21-3 | Sphalerite | 18.351 | 0.003 | 15.612 | 0.003 | 38.370 | 0.010 | 18.351 | 15.612 | 38.370 |
| 855-1-4 | Sphalerite | 18.354 | 0.006 | 15.622 | 0.004 | 38.413 | 0.012 | 18.354 | 15.622 | 38.413 |
| 855-1-5 | Sphalerite | 18.277 | 0.002 | 15.506 | 0.002 | 38.021 | 0.003 | 18.277 | 15.506 | 38.021 |
| 855-1-10 | Sphalerite | 18.313 | 0.002 | 15.565 | 0.002 | 38.216 | 0.004 | 18.313 | 15.565 | 38.216 |
| 855-1-12 | Sphalerite | 18.303 | 0.001 | 15.550 | 0.001 | 38.171 | 0.003 | 18.303 | 15.550 | 38.171 |
| 855-5-3 | Sphalerite | 18.373 | 0.002 | 15.643 | 0.002 | 38.481 | 0.007 | 18.373 | 15.643 | 38.481 |
| 855-5-5 | Sphalerite | 18.359 | 0.009 | 15.625 | 0.008 | 38.411 | 0.025 | 18.359 | 15.625 | 38.411 |
| 855-5-11 | Sphalerite | 18.408 | 0.006 | 15.681 | 0.007 | 38.615 | 0.023 | 18.408 | 15.681 | 38.615 |
| 890-3-1 | Sphalerite | 18.406 | 0.005 | 15.687 | 0.006 | 38.615 | 0.019 | 18.406 | 15.687 | 38.615 |
| 890-3-4 | Sphalerite | 18.363 | 0.007 | 15.631 | 0.007 | 38.434 | 0.022 | 18.363 | 15.631 | 38.434 |
| HL13-26 | Sphalerite | 18.323 | 0.003 | 15.581 | 0.002 | 38.270 | 0.005 | 18.323 | 15.581 | 38.270 |
| HL13-5 | Sphalerite | 18.309 | 0.002 | 15.567 | 0.001 | 38.227 | 0.004 | 18.309 | 15.567 | 38.227 |
| 863-5-5-2 | Chalcopyrite | 18.281 | 0.002 | 15.503 | 0.001 | 38.015 | 0.004 | 18.281 | 15.503 | 38.015 |
| 863-11-2 | Chalcopyrite | 18.317 | 0.002 | 15.569 | 0.001 | 38.236 | 0.004 | 18.317 | 15.569 | 38.236 |
| 863-13-5 | Chalcopyrite | 18.316 | 0.003 | 15.564 | 0.003 | 38.225 | 0.012 | 18.316 | 15.564 | 38.225 |
| HL13-3 | Chalcopyrite | 18.276 | 0.003 | 15.519 | 0.002 | 38.071 | 0.005 | 18.276 | 15.519 | 38.071 |
| HL13-15 | Chalcopyrite | 18.297 | 0.002 | 15.543 | 0.002 | 38.148 | 0.004 | 18.297 | 15.543 | 38.148 |
| HL14-33-2 | Chalcopyrite | 18.264 | 0.002 | 15.511 | 0.002 | 38.045 | 0.005 | 18.264 | 15.511 | 38.045 |
| HL14-35-2 | Chalcopyrite | 18.281 | 0.002 | 15.521 | 0.001 | 38.096 | 0.004 | 18.281 | 15.521 | 38.096 |
| HL14-36 | Chalcopyrite | 18.249 | 0.002 | 15.531 | 0.002 | 38.122 | 0.004 | 18.249 | 15.531 | 38.122 |
| HL14-41-1 | Chalcopyrite | 18.265 | 0.002 | 15.500 | 0.002 | 38.015 | 0.004 | 18.265 | 15.500 | 38.015 |
| HL14-32 | Pyrrhotite | 18.276 | 0.001 | 15.544 | 0.001 | 38.159 | 0.003 | 18.276 | 15.544 | 38.159 |
| HL14-33-1 | Pyrrhotite | 18.249 | 0.003 | 15.540 | 0.002 | 38.149 | 0.005 | 18.249 | 15.540 | 38.149 |
| HL14-34 | Pyrrhotite | 18.026 | 0.002 | 15.499 | 0.002 | 37.986 | 0.004 | 18.026 | 15.499 | 37.986 |
| HL14-35-1 | Pyrrhotite | 18.301 | 0.002 | 15.559 | 0.002 | 38.214 | 0.004 | 18.301 | 15.559 | 38.214 |
| HL14-37 | Pyrrhotite | 18.274 | 0.002 | 15.514 | 0.001 | 38.066 | 0.003 | 18.274 | 15.514 | 38.066 |
| HL13-15-2 | Galena | 18.292 | 0.002 | 15.538 | 0.002 | 38.140 | 0.004 | 18.292 | 15.538 | 38.140 |
| HL14-41-2 | Arsenopyrite | 18.272 | 0.002 | 15.506 | 0.002 | 38.035 | 0.004 | 18.272 | 15.506 | 38.035 |