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  |