

Andrew

Below are the results of the Pb isotope analysis of your three galena samples from Round Mountain and two galena samples from Tullah. 274796 was completed in duplicate as you requested.

The duplicate analysis of 274796 and the single analysis 274798 give the same Pb isotopic composition. 274797 is slightly higher in $^{206}\text{Pb}/^{204}\text{Pb}$, $^{207}\text{Pb}/^{204}\text{Pb}$ and $^{208}\text{Pb}/^{204}\text{Pb}$. Although the Pb isotopic composition of these samples plot close to the Hellyer ellipse, they are slightly greater in $^{206}\text{Pb}/^{204}\text{Pb}$, and as a whole they represent Devonian age mineralisation. To date no Cambrian mineralisation has been recognised with a Pb isotopic composition greater than those values representing the Hellyer ellipse.

The two galena samples 330553 and 330566 from Tullah plot within the Queen Hill ellipse and have a Pb isotopic composition that is consistent with a Devonian age.

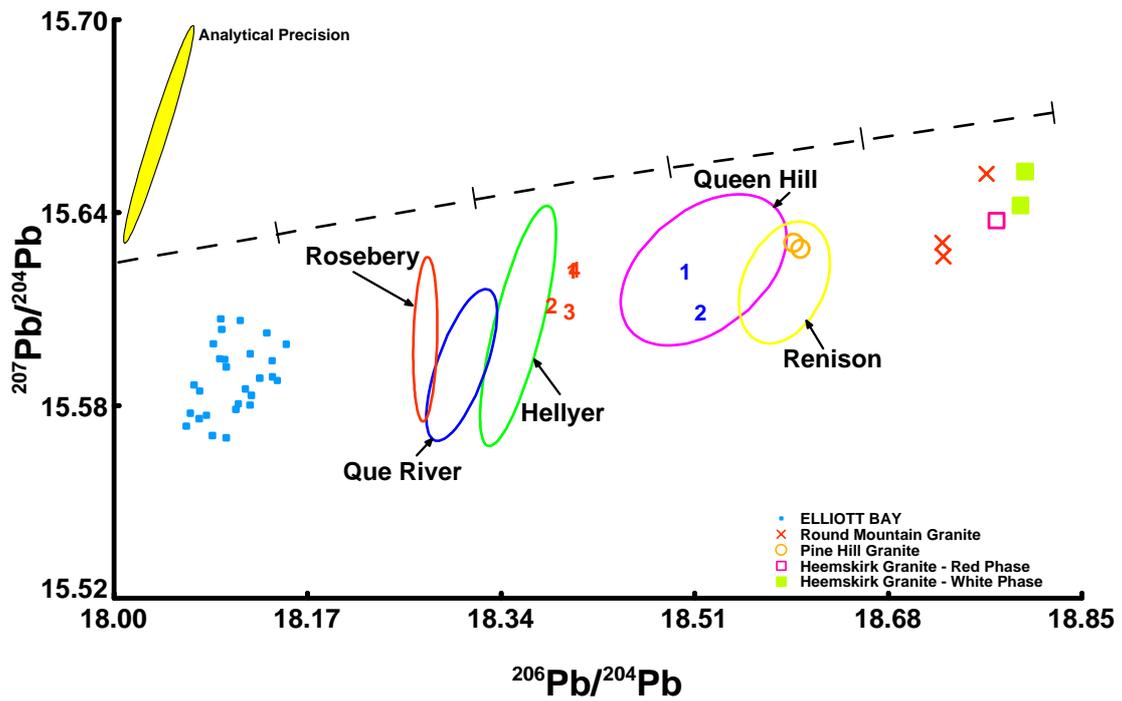
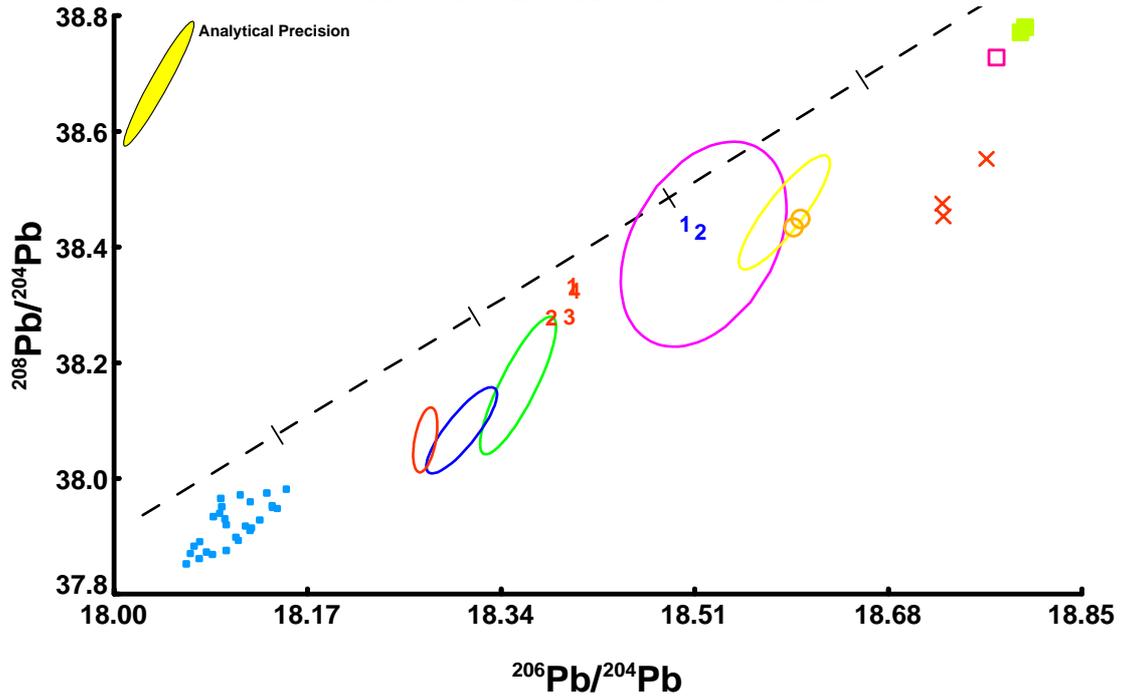
Table 1. The Pb isotopic composition of three samples from Round Mountain, Tasmania.

| Plot No | Sample No | $^{206}\text{Pb}/^{204}\text{Pb}$ | $^{207}\text{Pb}/^{204}\text{Pb}$ | $^{208}\text{Pb}/^{204}\text{Pb}$ | Quality High=0 Low=9 |
|---------|-----------|-----------------------------------|-----------------------------------|-----------------------------------|----------------------------|
| 1 | 274796 | 18.403 | 15.622 | 38.332 | 1 |
| 2 | 274796D | 18.385 | 15.611 | 38.278 | 3 |
| 3 | 274797 | 18.400 | 15.609 | 38.279 | 4 |
| 4 | 274798 | 18.404 | 15.622 | 38.324 | 3 |

Table 2. The Pb isotopic composition of two samples from Tullah, Tasmania.

| Plot No | Sample No | $^{206}\text{Pb}/^{204}\text{Pb}$ | $^{207}\text{Pb}/^{204}\text{Pb}$ | $^{208}\text{Pb}/^{204}\text{Pb}$ | Quality High=0 Low=9 |
|---------|-----------|-----------------------------------|-----------------------------------|-----------------------------------|----------------------------|
| 1 | 330553 | 18.502 | 15.622 | 38.440 | 3 |
| 2 | 330566 | 18.515 | 15.609 | 38.426 | 3 |

Round Mountain & Tullah



Regards

Geoff Denton