Suppl. Table 3. EMPA results for Ag-rich gold from the McLaughlin (Au-Hg) deposit. Two grains were revisited to confirm low levels of Sb.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sample Label** | **Te (wt%)** | **Ag (wt%)** | **Au (wt%)** | **Cu (wt%)** | **Hg (wt%)** | **Sb (wt %)** | **Total** |
| **Limit of Detection (L.O.D.)** | **0.033** | **0.063** | **0.078** | **0.017** | **0.059** | **0.004** |  |
| McLaughlin-1-2-1 | 0.034 | 27.51 | 71.44 | L.O.D. | 0.271 | 0.0104 | 99.266 |
| McLaughlin-1-2-2 | L.O.D. | 28.15 | 71.3 | L.O.D. | 0.147 | 0.0123 | 99.609 |
| McLaughlin-1-2-3 | L.O.D. | 27.93 | 71.63 | L.O.D. | 0.158 | 0.0174 | 99.735 |
| McLaughlin-1-2-4 | L.O.D. | 28.18 | 71.63 | L.O.D. | 0.268 | 0.0139 | 100.092 |
| McLaughlin-1-2-5 | 0.04 | 27.5 | 71.46 | L.O.D. | 0.246 | 0.014 | 99.261 |
|  |  |  |  |  |  |  |  |
| McLaughlin-1-3-1 | L.O.D. | 27.18 | 71.36 | L.O.D. | 0.201 | 0.0135 | 98.754 |
| McLaughlin-1-3-2 | L.O.D. | 26.6 | 71.43 | L.O.D. | 0.475 | 0.0104 | 98.515 |
| McLaughlin-1-3-3 | L.O.D. | 28.2 | 71.12 | L.O.D. | 0.23 | 0.0122 | 99.562 |
| McLaughlin-1-3-4 | L.O.D. | 27.09 | 70.4 | L.O.D. | 0.561 | 0.015 | 98.066 |
| McLaughlin-1-3-5 | L.O.D. | 27.89 | 70.27 | L.O.D. | 0.18 | 0.0135 | 98.353 |
|  |  |  |  |  |  |  |  |
| Mode | WDS | WDS | WDS | WDS | WDS | WDS |  |
| Signal | Te La | Ag La | Au La | Cu Ka | Hg La | Sb La |  |
| XTAL | PETJ | PETJ | LiF | LiF | LiFL | PETL |  |
| Counting time (s) | 110 | 110 | 110 | 110 | 110 | 200 |  |
| Beam Current (nA) | 40 | 40 | 40 | 40 | 40 | 200 |  |
| \*McLaughlin-1-2 is an grain away from the APT site while McLaughlin-1-3 is the  grain from which APT specimen was taken. | | | | | | | | |