# SUPPLEMENTARY DATA

## Annex 1. Geochemical data of the Guaviare Complex

| | Termales Gneiss | | | | | | | | | | | Unilla Amphibolite |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Group 1 | | | | | | | | Group 2 | | | |
| Sample | CAL-0035RA | CAL-0036R | OPP-0004R | OPP-0013RB | OPP-0037R | OPP-0042RA | OPP-0046R | OPP-0200R | CMR-0041R | OPP-0013RA | OPP-0047R | CAL-0037R |
| IGM | 5075334 | 5075336 | 5075606 | 5075618 | 5075643 | 5075648 | 5075653 | 5075696 | 5075415 | 5075617 | 5075654 | 5075337 |
| | Oxide (%) | | | | | | | | | | | |
| $SiO_2$ | 73.12 | 73.37 | 72.97 | 74.56 | 73.23 | 72.61 | 73.41 | 73.65 | 64.59 | 71.00 | 77.62 | 51.01 |
| $TiO_2$ | 0.38 | 0.33 | 0.35 | 0.36 | 0.37 | 0.37 | 0.38 | 0.37 | 0.43 | 0.45 | 0.39 | 3.37 |
| $Al_2O_3$ | 13.36 | 13.08 | 13.16 | 12.85 | 13.34 | 13.00 | 13.38 | 12.94 | 18.26 | 15.94 | 11.62 | 13.61 |
| $Fe_2O_3$ | 3.52 | 2.74 | 3.42 | 2.87 | 3.43 | 3.49 | 3.47 | 3.52 | 3.75 | 2.65 | 3.38 | 16.01 |
| MnO | 0.10 | 0.05 | 0.04 | 0.02 | 0.06 | 0.07 | 0.06 | 0.07 | 0.11 | 0.02 | 0.05 | 0.24 |
| MgO | 0.31 | 0.32 | 0.23 | 0.12 | 0.24 | 0.25 | 0.27 | 0.29 | 0.54 | 0.06 | 0.17 | 3.36 |
| CaO | 1.57 | 0.90 | 0.29 | 0.85 | 0.91 | 0.92 | 1.07 | 0.80 | 2.97 | 1.47 | 1.12 | 7.14 |
| $Na_2O$ | 3.69 | 2.74 | 3.36 | 3.95 | 2.63 | 2.77 | 3.33 | 3.95 | 8.58 | 7.26 | 5.86 | 3.05 |
| $K_2O$ | 4.99 | 6.18 | 5.73 | 3.76 | 5.89 | 6.19 | 5.83 | 4.78 | 0.44 | 0.47 | 0.53 | 1.29 |
| $P_2O_5$ | 0.06 | 0.06 | 0.05 | 0.05 | 0.05 | 0.04 | 0.05 | 0.05 | 0.05 | 0.03 | 0.05 | 0.57 |
| $Cr_2O_3$ | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| LOI | 0.33 | 0.11 | 0.27 | 0.39 | 0.49 | 0.11 | 0.08 | 0.43 | 0.02 | 0.27 | 0.10 | 0.64 |
| Total | 101.43 | 99.88 | 99.87 | 99.78 | 100.64 | 99.82 | 101.33 | 100.85 | 99.74 | 99.62 | 100.89 | 100.29 |
| | Element (ppm) | | | | | | | | | | | |
| Ba | 379.00 | 517.00 | 454.00 | 644.00 | 435.00 | 461.00 | 435.00 | 406.00 | 23.60 | 54.90 | 68.60 | 308.00 |
| Rb | 261.00 | 323.00 | 311.00 | 121.00 | 309.00 | 317.00 | 234.00 | 232.00 | 7.00 | 17.70 | 52.90 | 95.10 |
| Sr | 70.90 | 62.90 | 42.10 | 150.50 | 50.10 | 45.00 | 78.10 | 42.20 | 114.00 | 187.00 | 68.60 | 218.00 |
| Cs | 0.96 | 2.09 | 0.86 | 0.50 | 1.66 | 4.03 | 1.62 | 0.59 | 0.16 | 0.28 | 1.79 | 0.43 |
| Ga | 25.20 | 21.10 | 23.80 | 21.70 | 24.10 | 23.10 | 22.80 | 22.20 | 32.50 | 23.10 | 19.60 | 26.50 |
| Ta | 3.90 | 4.00 | 3.70 | 3.60 | 3.90 | 4.40 | 4.40 | 4.10 | 5.10 | 4.50 | 4.50 | 1.70 |
| Nb | 66.50 | 53.10 | 61.60 | 65.20 | 64.70 | 62.30 | 63.70 | 65.50 | 78.20 | 77.80 | 64.90 | 22.40 |
| Hf | 14.10 | 9.40 | 15.70 | 14.80 | 15.30 | 15.80 | 15.80 | 16.10 | 16.90 | 2.50 | 16.20 | 7.40 |
| Zr | 597.00 | 377.00 | 660.00 | 587.00 | 662.00 | 625.00 | 608.00 | 662.00 | 674.00 | 94.00 | 635.00 | 293.00 |
| Y | 107.00 | 54.20 | 63.90 | 82.50 | 52.80 | 56.50 | 78.40 | 90.40 | 148.50 | 99.80 | 98.30 | 60.00 |
| Th | 34.10 | 31.80 | 34.20 | 35.60 | 34.60 | 28.20 | 32.80 | 34.10 | 38.10 | 3.27 | 36.10 | 6.06 |
| U | 8.52 | 4.99 | 9.06 | 10.45 | 9.38 | 5.40 | 5.09 | 9.69 | 11.65 | 3.20 | 8.96 | 1.36 |
| Cr | <10 | 10.00 | 10.00 | 10.00 | <10 | 40.00 | 40.00 | 10.00 | 40.00 | 40.00 | 40.00 | 40.00 |
| Ni | 2.00 | 1.00 | 4.00 | 7.00 | <1 | <1 | 2.00 | 1.00 | 1.00 | 4.00 | 2.00 | 11.00 |
| Co | 1.00 | 2.00 | 2.00 | 2.00 | 1.00 | 1.00 | 1.00 | 2.00 | 2.00 | 1.00 | 1.00 | 29.00 |
| Sc | 1.90 | 1.90 | 2.70 | 1.60 | 3.70 | 2.80 | 2.10 | 2.70 | 2.90 | 0.80 | 3.00 | 12.90 |
| V | 22.00 | 21.00 | 19.00 | 30.00 | 17.00 | 18.00 | 18.00 | 19.00 | 31.00 | 30.00 | 16.00 | 235.00 |
| Cu | 2.00 | 2.00 | 3.00 | 1.00 | 1.00 | 2.00 | 2.00 | 1.00 | 2.00 | 1.00 | 10.00 | 77.00 |
| Pb | 28.00 | 31.00 | 27.00 | 24.00 | 33.00 | 23.00 | 23.00 | 24.00 | 22.00 | 15.00 | 9.00 | 11.00 |
| Zn | 104.00 | 57.00 | 56.00 | 20.00 | 55.00 | 74.00 | 63.00 | 99.00 | 74.00 | 16.00 | 33.00 | 142.00 |
| Tl | 0.42 | 0.48 | 0.29 | 0.05 | 0.44 | 0.46 | 0.30 | 0.15 | <0.02 | <0.02 | 0.05 | 0.04 |
| Bi | 0.05 | 0.16 | 0.08 | 0.02 | 0.07 | 0.07 | 0.05 | 0.04 | 0.08 | 0.01 | 0.05 | 0.01 |
| Cd | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.70 |
| Sn | 8.00 | 7.00 | 7.00 | 9.00 | 7.00 | 8.00 | 8.00 | 8.00 | 10.00 | 12.00 | 8.00 | 2.00 |
| W | <1 | <1 | 2.00 | 1.00 | 2.00 | 4.00 | 4.00 | 2.00 | 2.00 | 3.00 | 2.00 | 4.00 |
| Li | 10.00 | <10 | 10.00 | <10 | 10.00 | <10 | <10 | <10 | <10 | <10 | <10 | 10.00 |
| Mo | 2.00 | 1.00 | 2.00 | <1 | 2.00 | 4.00 | 3.00 | 1.00 | <1 | <1 | 1.00 | <1 |
| Hg | 0.01 | <0.005 | 0.01 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| As | 0.30 | 0.20 | <0.1 | 0.10 | 0.20 | 0.40 | 0.30 | 0.10 | 0.20 | <0.1 | 0.80 | 0.30 |
| Se | <0.2 | <0.2 | <0.2 | 0.20 | 0.20 | 0.20 | 0.30 | <0.2 | 0.30 | 0.20 | 0.30 | 0.40 |
| Sb | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.07 | <0.05 |
| In | 0.06 | 0.05 | 0.07 | 0.05 | 0.09 | 0.07 | 0.05 | 0.08 | 0.07 | 0.01 | 0.07 | 0.05 |

| | Termales Gneiss | | | | | | | | | | | Unilla Amphibolite |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Group 1 | | | | | | | | | Group 2 | | |
| **Sample** | **CAL-0035RA** | **CAL-0036R** | **OPP-0004R** | **OPP-0013RB** | **OPP-0037R** | **OPP-0042RA** | **OPP-0046R** | **OPP-0200R** | **CMR-0041R** | **OPP-0013RA** | **OPP-0047R** | **CAL-0037R** |
| **IGM** | **5075334** | **5075336** | **5075606** | **5075618** | **5075643** | **5075648** | **5075653** | **5075696** | **5075415** | **5075617** | **5075654** | **5075337** |
| Te | <0.01 | 0.01 | <0.01 | <0.01 | <0.01 | 0.01 | 0.01 | 0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| La | 123.50 | 41.00 | 96.10 | 156.50 | 10.60 | 22.50 | 62.50 | 103.00 | 123.00 | 171.50 | 128.00 | 37.80 |
| Ce | 229.00 | 89.20 | 183.00 | 209.00 | 101.00 | 41.10 | 113.00 | 210.00 | 229.00 | 59.30 | 232.00 | 81.40 |
| Pr | 28.30 | 9.04 | 21.20 | 33.50 | 3.50 | 4.87 | 14.05 | 23.90 | 29.30 | 35.80 | 29.30 | 10.45 |
| Nd | 102.50 | 33.20 | 77.60 | 122.50 | 12.80 | 19.60 | 52.90 | 86.40 | 115.00 | 144.00 | 110.00 | 47.80 |
| Sm | 19.50 | 6.72 | 13.90 | 22.60 | 3.58 | 4.40 | 10.55 | 16.70 | 24.20 | 30.40 | 21.10 | 10.95 |
| Eu | 2.30 | 0.93 | 1.75 | 3.13 | 0.55 | 0.64 | 1.39 | 1.89 | 2.95 | 4.48 | 2.40 | 3.17 |
| Gd | 18.30 | 6.97 | 11.55 | 21.90 | 4.62 | 5.82 | 11.00 | 14.05 | 22.80 | 30.00 | 19.30 | 12.05 |
| Tb | 2.89 | 1.20 | 1.74 | 3.14 | 0.93 | 1.21 | 1.97 | 2.20 | 3.65 | 4.55 | 3.08 | 1.81 |
| Dy | 17.20 | 8.71 | 11.00 | 18.40 | 7.69 | 8.72 | 12.85 | 14.65 | 22.30 | 25.30 | 18.60 | 10.85 |
| Ho | 3.42 | 1.84 | 2.21 | 3.20 | 1.86 | 2.02 | 2.86 | 2.93 | 4.71 | 4.34 | 3.79 | 2.18 |
| Er | 10.20 | 5.79 | 6.88 | 8.43 | 6.25 | 6.88 | 9.54 | 8.82 | 16.35 | 12.25 | 11.20 | 6.51 |
| Tm | 1.44 | 0.93 | 1.07 | 1.10 | 1.06 | 1.05 | 1.48 | 1.35 | 2.43 | 1.67 | 1.63 | 0.88 |
| Yb | 9.61 | 5.84 | 7.39 | 6.50 | 7.22 | 7.25 | 9.25 | 8.92 | 16.35 | 9.13 | 10.45 | 5.71 |
| Lu | 1.40 | 0.95 | 1.17 | 1.02 | 1.10 | 1.08 | 1.37 | 1.44 | 2.52 | 1.28 | 1.47 | 0.80 |

## Annex 2. Modal composition of the Guaviare Complex rocks

| Sample | IGM | Qz | Pl | Fsp | Bt | Ms | Hbl | Hst | Chl | Opq | Zrn | Ttn | Ep | Grt | Others | Petrographic classification | Subgroup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CMR-0027R-2 | 5075396 | 17.70 | 30.70 | 7.30 | 37.00 | | | | | 2.30 | 0.30 | 3.30 | | | 1.30 | Quartz-biotite-feldspar gneiss | Gneiss |
| OPP-0013R-B | 5075618 | 26.70 | 4.00 | 59.70 | 4.70 | 0.01 | | | 0.01 | 5.00 | 0.01 | | | | 0.01 | Biotite bearing quartz-feldspar gneiss | Gneiss |
| OPP-0013R-C | 5075619 | 22.30 | 28.00 | 42.70 | 4.00 | 0.01 | | | 0.70 | 2.00 | 0.30 | | | | 0.01 | Biotite bearing quartz-feldspar gneiss | Gneiss |
| OPP-0029R | 5075635 | 27.00 | 4.30 | 59.40 | 0.01 | | | | 6.00 | 2.00 | 1.00 | | | | | Chlorite-quartz-feldspar gneiss | Gneiss |
| OPP-0037R | 5075643 | 28.70 | 5.70 | 45.30 | 16.70 | | | | | 2.70 | 1.00 | | | | 0.02 | Biotite-quartz-feldspar gneiss | Gneiss |
| CAL-0035R-A | 5075334 | 32.70 | 33.30 | 14.00 | 8.70 | | | | 2.00 | 2.70 | 0.30 | | 5.30 | | 1.02 | Epidote-biotite-quartz-feldspar gneiss | Porphyroclastic gneiss |
| CAL-0036R | 5075336 | 28.30 | 36.00 | 17.20 | 11.50 | 1.30 | | | 0.80 | 1.30 | 0.01 | | 3.30 | | 0.32 | Muscovite-epidote bearing biotite- quartz-feldspar gneiss | Porphyroclastic gneiss |
| CMR-0036R | 5075410 | 32.00 | 16.70 | 28.30 | 17.00 | 0.70 | | | | 1.30 | 0.01 | 0.70 | 3.30 | | 0.02 | Epidote bearing biotite-quartz-feldspar gneiss | Porphyroclastic gneiss |
| CMR-0041R | 5075415 | 13.70 | 53.70 | 0.30 | | | | 17.3 | | 3.00 | 1.70 | 1.70 | 7.30 | | 1.30 | Epidote-amphibole-quartz-feldspar gneiss | Porphyroclastic gneiss |
| OPP-0004R | 5075606 | 27.00 | 7.00 | 55.70 | 9.00 | 0.01 | | | | 1.30 | 0.01 | | | | 0.03 | Biotite-quartz-feldspar gneiss | Porphyroclastic gneiss |
| OPP-0041R | 5075647 | 27.70 | 1.00 | 57.00 | 12.70 | | | | 0.01 | 1.30 | 0.01 | | | | 0.31 | Biotite-quartz-feldspar gneiss | Porphyroclastic gneiss |
| OPP-0042R-A | 5075648 | 21.00 | 5.30 | 60.70 | 9.00 | | 1.30 | | | 1.30 | 0.01 | 0.30 | | | 1.01 | Zoisite-hornblenda bearing biotite-quartz-feldspar gneiss | Porphyroclastic gneiss |
| OPP-0043R | 5075650 | 27.00 | 3.70 | 66.70 | 0.70 | | | | | 1.70 | 0.01 | 0.30 | | | 0.02 | Biotite bearing quartz-feldspar gneiss | Porphyroclastic gneiss |
| OPP-0044R | 5075651 | 29.70 | 2.70 | 54.30 | 10.70 | 1.30 | | | | 0.70 | 0.30 | 0.30 | | | 0.02 | Muscovite bearing biotite-quartz-feldspar gneiss | Porphyroclastic gneiss |
| OPP-0046R | 5075653 | 27.70 | 29.70 | 24.00 | 6.30 | | 7.00 | | 0.01 | 1.00 | 0.01 | 0.70 | 3.70 | | 0.01 | Epidote bearing biotite-hornblende-quartz-feldspar gneiss | Porphyroclastic gneiss |
| OPP-0047R | 5075654 | 30.00 | 42.00 | 11.00 | 1.00 | | 11.70 | | 0.01 | 2.70 | 0.01 | 1.70 | | | 0.01 | Biotite bearing hornblende-quartz-feldspar gneiss | Porphyroclastic gneiss |
| OPP-0200R | 5075696 | 19.00 | 21.70 | 48.50 | 5.70 | 1.30 | | | 1.00 | 1.70 | 0.01 | 0.70 | | | 0.71 | Chlorite- muscovite bearing biotite-quartz-feldspar gneiss | Porphyroclastic gneiss |
| OPP-0013R-A | 5075617 | 29.00 | 70.70 | 0.01 | | | | | | 0.30 | 0.01 | | | | 0.01 | Quartz-feldspar granofels | Granofels |
| CAL-0038R | 5075338 | 51.20 | 23.10 | 8.30 | 0.01 | 14.90 | | | | 1.70 | 0.60 | | | | 0.23 | Feldspar-quartz blastomylonite | Blastomylonite |
| OPP-0045R | 5075652 | 41.50 | 29.40 | 4.30 | 9.00 | 6.70 | | | 1.30 | 1.30 | 0.40 | 0.01 | 3.70 | 1.70 | 0.72 | Garnet bearing biotite- feldspar-quartz blastomylonite | Blastomylonite |
| CAL-0037R | 5075337 | 5.00 | 24.00 | | 0.01 | | 60.70 | | 2.30 | 5.00 | | 1.30 | 1.00 | | 0.73 | Amphibolite | Amphibolite |
| ENA-0003R-A | 5075465 | 71.00 | 20.30 | | | 5.40 | | | | 2.30 | 0.70 | 0.30 | | | 0.01 | Muscovite- feldspar-quartz granofels | Granoblastic quartzite |
| ENA-0003R-C | 5075467 | 70.30 | 20.30 | | | 7.70 | | | | 1.70 | 0.01 | | | | 0.01 | Muscovite- feldspar-quartz granofels | Granoblastic quartzite |
| ENA-0004R | 5075468 | 75.30 | 16.30 | 1.30 | | 6.00 | | | | 0.01 | 0.01 | 0.01 | | | 1.00 | Muscovite-feldspar quartzite | Granoblastic quartzite |
| ENA-0008R | 5075472 | 77.00 | 14.30 | 3.70 | | 1.30 | | | | 3.70 | 0.01 | | | | 0.02 | Muscovite bearing feldspar quartzite | Granoblastic quartzite |
| ENA-0021R | 5075485 | 68.70 | 13.00 | | | 5.00 | | | | 0.01 | 0.60 | | | | 12.7 | Muscovite- feldspar-quartz granofels | Granoblastic quartzite |
| JDB-0026R-B | 5075563 | 77.00 | | | | 22.30 | | | | 0.01 | 0.01 | 0.01 | | | 0.02 | Muscovite quartzite | Granoblastic quartzite |
| PAG-0009R | 5075708 | 55.60 | 24.90 | 2.40 | | 9.40 | | | | 1.00 | | 0.01 | | | 6.7 | Muscovite- feldspar-quartz granofels | Granoblastic quartzite |
| PAG-0017R | 5075717 | 75.30 | 10.30 | 3.30 | | 11.00 | | | | 0.01 | 0.01 | | | | 0.01 | Muscovite-feldspar quartzite | Granoblastic quartzite |
| PAG-0019R | 5075719 | 68.40 | 10.60 | 4.40 | | 15.60 | | | | 1.00 | 0.01 | | | | 0.01 | Muscovite- feldspar-quartz granofels | Granoblastic quartzite |
| PAG-0023R | 5075723 | 60.30 | 25.70 | 5.30 | | 7.00 | | | | 1.70 | 0.01 | 0.01 | | | 0.01 | Muscovite- feldspar-quartz granofels | Granoblastic quartzite |
| PAG-0025R | 5075725 | 68.00 | 17.00 | 2.30 | | 10.70 | | | | 0.01 | 0.01 | 0.01 | | | 2.01 | Muscovite- feldspar-quartz granofels | Granoblastic quartzite |
| JDB-0026R-A | 5075562 | 76.70 | | | | 23.30 | | | | 0.01 | 0.01 | | | | 0.01 | Muscovite quartzite | Schist quartzite |
| OPP-0030R | 5075636 | 77.70 | 6.00 | 2.00 | | 14.30 | | | | 0.01 | | | | | 0.01 | Feldspar-muscovite quartzite | Schist quartzite |
| OPP-0034R | 5075640 | 84.70 | | | | 11.70 | | | | 0.01 | | | | | 3.70 | Muscovite quartzite | Schist quartzite |
| OPP-0035R | 5075641 | 82.00 | | | | 14.00 | | | 4.00 | 0.01 | | | | | | Muscovite quartzite | Schist quartzite |
| OPP-0036R | 5075642 | 75.00 | | | | 23.70 | | | | 0.01 | 0.01 | 0.01 | | | 1.32 | Muscovite quartzite | Schist quartzite |
| OPP-0038R | 5075644 | 88.30 | | | | 10.30 | | | | 0.01 | 0.01 | | | | 1.31 | Muscovite quartzite | Schist quartzite |
| OPP-0039R | 5075645 | 61.10 | 8.30 | | | 23.90 | | | | 0.70 | | | | | 6.00 | Feldspar-muscovite-quartz schist | Schist quartzite |
| OPP-0040R | 5075646 | 76.00 | 0.01 | | | 14.30 | | | | | | | | | 9.71 | Muscovite-quartz schist | Schist quartzite |
| OPP-0052R | 5075659 | 81.90 | | | | 2.70 | | | | | 0.01 | | | | 15.4 | Muscovite-quartz schist | Schist quartzite |
| PAG-0020R | 5075720 | 75.30 | 10.30 | 2.00 | | 10.30 | | | | 2.00 | 0.01 | | | | | Muscovite-feldspar quartzite | Schist quartzite |

Qz: quartz, Pl: plagioclase, Fsp: feldspar, Mc: microcline, Bt: biotite, Ms: muscovite, Hbl: hornblende, Hst: hastingsite, chl: chlorite, Opq: opaque, Zrn: zircon, Ttn: titanite, Ep: epidote, Grt: garnet. Abbreviations according to Whitney and Evans (2010).

## Annex 3. Analytical data for U/Pb age of the Guaviare Complex

| OPP-0013RC (Feldspar-quartz gneiss) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analysis | Isotope ratios | | | | | | | | | Apparent ages (Ma) | | | | | | | Observations |
| | U | U/Th | 206Pb*/ | ± | 207Pb*/ | ± | 206Pb*/ | ± | error | 206Pb*/ | ± | 207Pb*/ | ± | 206Pb*/ | ± | Conc | |
| | (ppm) | | 207Pb* | (%) | 235U* | (%) | 238U | (%) | corr. | 238U* | (Ma) | 235U | (Ma) | 207Pb* | (Ma) | (%) | |
| OPP_0013RC_60 | 182 | 0.8 | 16.6389 | 2.7 | 0.8465 | 3.5 | 0.1022 | 2.3 | 0.65 | 627.3 | 13.5 | 622.7 | 16.2 | 607.2 | 57.6 | 103.3 | Partial Pb-loss? Recrystallization? |
| OPP_0013RC_07 | 237 | 3.4 | 11.6414 | 3.1 | 1.3851 | 9.9 | 0.1170 | 9.4 | 0.95 | 713.3 | 63.5 | 882.6 | 58.5 | 1335.9 | 60.8 | 53.4 | Partial Pb-loss? Recrystallization? |
| OPP_0013RC_15 | 311 | 3.8 | 12.3305 | 2.0 | 1.7425 | 5.1 | 0.1559 | 4.7 | 0.92 | 934.0 | 41.3 | 1024.4 | 33.2 | 1223.9 | 38.8 | 76.3 | Partial Pb-loss? Recrystallization? |
| OPP_0013RC_45 | 225 | 5.5 | 12.4688 | 2.7 | 2.1222 | 5.9 | 0.1920 | 5.2 | 0.88 | 1132.2 | 54.1 | 1156.0 | 40.6 | 1201.9 | 54.1 | 94.2 | Partial Pb-loss? Recrystallization? |
| OPP_0013RC_66 | 43 | 1.9 | 11.8483 | 3.0 | 2.4264 | 4.1 | 0.2086 | 2.8 | 0.68 | 1221.4 | 30.9 | 1250.5 | 29.2 | 1301.8 | 57.6 | 93.8 | Igneous protolith |
| OPP_0013RC_38 | 204 | 1.4 | 12.0627 | 1.9 | 2.4221 | 2.9 | 0.2120 | 2.2 | 0.75 | 1239.5 | 24.5 | 1249.2 | 20.9 | 1266.9 | 37.7 | 97.8 | Igneous protolith |
| OPP_0013RC_35 | 365 | 1.2 | 11.7371 | 2.0 | 2.4905 | 2.6 | 0.2121 | 1.6 | 0.63 | 1240.0 | 18.1 | 1269.3 | 18.5 | 1320.1 | 38.7 | 93.9 | Igneous protolith |
| OPP_0013RC_50 | 186 | 1.8 | 11.8203 | 2.1 | 2.5068 | 3.0 | 0.2150 | 2.1 | 0.70 | 1255.4 | 23.9 | 1274.0 | 21.7 | 1306.4 | 41.3 | 96.1 | Igneous protolith |
| OPP_0013RC_18 | 112 | 1.7 | 11.8624 | 2.1 | 2.5002 | 3.0 | 0.2152 | 2.1 | 0.71 | 1256.5 | 24.4 | 1272.1 | 21.9 | 1299.5 | 41.5 | 96.7 | Igneous protolith |
| OPP_0013RC_30 | 9 | 1.6 | 11.6279 | 6.5 | 2.5684 | 7.4 | 0.2167 | 3.6 | 0.48 | 1264.4 | 41.3 | 1291.7 | 54.4 | 1338.2 | 126.0 | 94.5 | Igneous protolith |
| OPP_0013RC_25 | 156 | 1.9 | 11.9190 | 3.1 | 2.5103 | 3.8 | 0.2171 | 2.2 | 0.57 | 1266.5 | 24.9 | 1275.0 | 27.5 | 1290.2 | 60.3 | 98.2 | Igneous protolith |
| OPP_0013RC_48 | 111 | 1.0 | 12.1655 | 2.6 | 2.4753 | 3.4 | 0.2185 | 2.2 | 0.66 | 1273.9 | 25.9 | 1264.8 | 24.6 | 1250.3 | 50.0 | 101.9 | Igneous protolith |
| OPP_0013RC_49 | 83 | 1.7 | 11.7096 | 3.6 | 2.5717 | 4.4 | 0.2185 | 2.5 | 0.56 | 1273.9 | 28.6 | 1292.6 | 32.1 | 1324.6 | 70.3 | 96.2 | Igneous protolith |
| OPP_0013RC_65 | 127 | 1.5 | 11.6144 | 2.1 | 2.5987 | 2.9 | 0.2190 | 2.1 | 0.70 | 1276.6 | 23.8 | 1300.3 | 21.5 | 1340.4 | 40.4 | 95.2 | Igneous protolith |
| OPP_0013RC_70 | 139 | 1.9 | 11.8064 | 2.1 | 2.5599 | 3.2 | 0.2193 | 2.3 | 0.74 | 1278.2 | 27.0 | 1289.3 | 23.0 | 1308.7 | 41.2 | 97.7 | Igneous protolith |
| OPP_0013RC_51 | 271 | 1.4 | 12.0337 | 1.6 | 2.5139 | 3.0 | 0.2195 | 2.6 | 0.86 | 1279.2 | 30.1 | 1276.0 | 22.0 | 1271.6 | 30.5 | 100.6 | Igneous protolith |
| OPP_0013RC_46 | 60 | 1.5 | 11.4155 | 2.6 | 2.6536 | 3.5 | 0.2198 | 2.4 | 0.67 | 1280.8 | 27.5 | 1315.6 | 26.1 | 1373.7 | 50.5 | 93.2 | Igneous protolith |
| OPP_0013RC_64 | 197 | 1.9 | 11.7233 | 1.8 | 2.5839 | 2.5 | 0.2198 | 1.8 | 0.72 | 1280.8 | 21.1 | 1296.1 | 18.5 | 1322.3 | 34.1 | 96.9 | Igneous protolith |
| OPP_0013RC_55 | 56 | 1.8 | 11.9474 | 3.1 | 2.5389 | 3.8 | 0.2201 | 2.1 | 0.57 | 1282.4 | 24.8 | 1283.3 | 27.5 | 1285.6 | 60.5 | 99.8 | Igneous protolith |
| OPP_0013RC_54 | 142 | 1.9 | 11.8343 | 2.4 | 2.5702 | 3.2 | 0.2207 | 2.2 | 0.68 | 1285.6 | 25.9 | 1292.2 | 23.7 | 1304.1 | 46.0 | 98.6 | Igneous protolith |
| OPP_0013RC_17 | 159 | 1.8 | 11.8483 | 2.3 | 2.5706 | 2.8 | 0.2210 | 1.6 | 0.58 | 1287.2 | 18.5 | 1292.3 | 20.1 | 1301.8 | 43.7 | 98.9 | Igneous protolith |
| OPP_0013RC_56 | 438 | 1.5 | 11.9617 | 2.2 | 2.5509 | 3.1 | 0.2214 | 2.2 | 0.72 | 1289.3 | 25.9 | 1286.7 | 22.5 | 1283.2 | 41.9 | 100.5 | Igneous protolith |
| OPP_0013RC_42 | 109 | 1.7 | 11.8765 | 3.7 | 2.5715 | 4.6 | 0.2216 | 2.8 | 0.61 | 1290.3 | 32.7 | 1292.6 | 33.8 | 1297.2 | 71.6 | 99.5 | Igneous protolith |
| OPP_0013RC_26 | 42 | 1.1 | 11.7786 | 4.0 | 2.5941 | 4.6 | 0.2217 | 2.3 | 0.50 | 1290.9 | 26.9 | 1299.0 | 33.9 | 1313.2 | 77.7 | 98.3 | Igneous protolith |
| OPP_0013RC_59 | 108 | 2.1 | 12.0919 | 2.7 | 2.5268 | 3.9 | 0.2217 | 2.8 | 0.72 | 1290.9 | 32.7 | 1279.8 | 28.1 | 1262.1 | 52.0 | 102.3 | Igneous protolith |
| OPP_0013RC_43 | 126 | 1.7 | 11.9048 | 2.4 | 2.5723 | 3.4 | 0.2222 | 2.4 | 0.71 | 1293.5 | 28.5 | 1292.8 | 24.9 | 1292.5 | 46.3 | 100.1 | Igneous protolith |
| OPP_0013RC_05 | 109 | 2.1 | 11.6959 | 2.8 | 2.6242 | 3.4 | 0.2227 | 2.0 | 0.58 | 1296.1 | 23.2 | 1307.4 | 25.2 | 1326.9 | 54.4 | 97.7 | Igneous protolith |
| OPP_0013RC_04 | 122 | 1.9 | 11.8203 | 1.8 | 2.6024 | 2.7 | 0.2232 | 2.0 | 0.74 | 1298.8 | 23.2 | 1301.3 | 19.5 | 1306.4 | 34.4 | 99.4 | Igneous protolith |
| OPP_0013RC_09 | 116 | 1.7 | 11.5075 | 2.2 | 2.6755 | 3.0 | 0.2234 | 2.1 | 0.69 | 1299.8 | 24.8 | 1321.7 | 22.4 | 1358.3 | 42.2 | 95.7 | Igneous protolith |
| OPP_0013RC_10 | 244 | 1.7 | 11.6414 | 2.0 | 2.6447 | 2.4 | 0.2234 | 1.4 | 0.59 | 1299.8 | 16.9 | 1313.2 | 18.0 | 1335.9 | 38.3 | 97.3 | Igneous protolith |
| OPP_0013RC_53 | 153 | 1.8 | 11.8343 | 1.9 | 2.6040 | 2.7 | 0.2236 | 2.0 | 0.72 | 1300.9 | 23.2 | 1301.8 | 20.0 | 1304.1 | 36.8 | 99.8 | Igneous protolith |
| OPP_0013RC_72 | 83 | 2.0 | 11.7647 | 2.0 | 2.6217 | 2.8 | 0.2238 | 2.0 | 0.70 | 1301.9 | 23.2 | 1306.7 | 20.6 | 1315.5 | 38.8 | 99.0 | Igneous protolith |
| OPP_0013RC_08 | 194 | 1.8 | 11.6279 | 2.0 | 2.6537 | 2.6 | 0.2239 | 1.7 | 0.64 | 1302.4 | 19.5 | 1315.7 | 19.0 | 1338.2 | 38.2 | 97.3 | Igneous protolith |
| OPP_0013RC_58 | 83 | 1.5 | 11.9474 | 2.9 | 2.5828 | 3.6 | 0.2239 | 2.2 | 0.61 | 1302.4 | 26.3 | 1295.8 | 26.6 | 1285.6 | 55.8 | 101.3 | Igneous protolith |
| OPP_0013RC_63 | 184 | 1.8 | 11.6959 | 2.1 | 2.6383 | 2.6 | 0.2239 | 1.6 | 0.61 | 1302.4 | 19.0 | 1311.4 | 19.5 | 1326.9 | 40.8 | 98.2 | Igneous protolith |
| OPP_0013RC_67 | 119 | 2.0 | 11.6144 | 1.9 | 2.6616 | 3.0 | 0.2243 | 2.4 | 0.79 | 1304.6 | 27.9 | 1317.9 | 22.2 | 1340.4 | 35.9 | 97.3 | Igneous protolith |
| OPP_0013RC_27 | 37 | 1.2 | 11.7233 | 4.2 | 2.6427 | 4.8 | 0.2248 | 2.2 | 0.47 | 1307.2 | 26.3 | 1312.6 | 35.2 | 1322.3 | 81.8 | 98.9 | Igneous protolith |
| OPP_0013RC_21 | 183 | 1.3 | 11.6414 | 2.0 | 2.6637 | 2.6 | 0.2250 | 1.7 | 0.66 | 1308.2 | 20.5 | 1318.4 | 19.4 | 1335.9 | 38.3 | 97.9 | Igneous protolith |
| OPP_0013RC_13 | 544 | 1.4 | 11.7371 | 1.5 | 2.6443 | 2.3 | 0.2252 | 1.8 | 0.76 | 1309.3 | 21.0 | 1313.1 | 17.3 | 1320.1 | 29.6 | 99.2 | Igneous protolith |
| OPP_0013RC_03 | 135 | 1.6 | 11.6822 | 2.2 | 2.6579 | 3.0 | 0.2253 | 2.0 | 0.66 | 1309.8 | 23.1 | 1316.8 | 21.8 | 1329.1 | 43.0 | 98.5 | Igneous protolith |
| OPP_0013RC_12 | 186 | 1.6 | 11.6822 | 1.5 | 2.6591 | 2.3 | 0.2254 | 1.8 | 0.76 | 1310.3 | 21.0 | 1317.2 | 17.2 | 1329.1 | 29.4 | 98.6 | Igneous protolith |
| OPP_0013RC_19 | 165 | 1.8 | 11.8483 | 2.3 | 2.6253 | 3.1 | 0.2257 | 2.2 | 0.69 | 1311.9 | 25.8 | 1307.8 | 23.0 | 1301.8 | 43.7 | 100.8 | Igneous protolith |
| OPP_0013RC_16 | 78 | 1.6 | 11.9760 | 2.5 | 2.5996 | 3.1 | 0.2259 | 1.7 | 0.57 | 1313.0 | 20.5 | 1300.5 | 22.4 | 1280.9 | 49.0 | 102.5 | Igneous protolith |
| OPP_0013RC_44 | 111 | 1.9 | 11.9048 | 2.1 | 2.6152 | 2.8 | 0.2259 | 1.7 | 0.63 | 1313.0 | 20.5 | 1304.9 | 20.2 | 1292.5 | 41.7 | 101.6 | Igneous protolith |
| OPP_0013RC_11 | 136 | 1.7 | 11.8906 | 2.1 | 2.6195 | 2.7 | 0.2260 | 1.7 | 0.62 | 1313.5 | 20.0 | 1306.1 | 20.0 | 1294.8 | 41.6 | 101.4 | Igneous protolith |
| OPP_0013RC_71 | 88 | 1.8 | 11.8343 | 2.1 | 2.6319 | 2.9 | 0.2260 | 2.0 | 0.69 | 1313.5 | 24.2 | 1309.6 | 21.7 | 1304.1 | 41.4 | 100.7 | Igneous protolith |
| OPP_0013RC_73 | 213 | 1.6 | 11.6009 | 1.4 | 2.6849 | 2.4 | 0.2260 | 1.9 | 0.81 | 1313.5 | 23.1 | 1324.3 | 17.7 | 1342.7 | 26.9 | 97.8 | Igneous protolith |
| OPP_0013RC_62 | 323 | 1.7 | 11.8906 | 1.7 | 2.6218 | 2.4 | 0.2262 | 1.8 | 0.73 | 1314.6 | 21.0 | 1306.8 | 17.9 | 1294.8 | 32.4 | 101.5 | Igneous protolith |
| OPP_0013RC_22 | 125 | 0.9 | 11.9474 | 1.9 | 2.6105 | 3.0 | 0.2263 | 2.3 | 0.77 | 1315.1 | 27.3 | 1303.6 | 21.9 | 1285.6 | 37.2 | 102.3 | Igneous protolith |

**OPP-0013RC (Feldspar-quartz gneiss)**

| Analysis | Isotope ratios | | | | | | | | | Apparent ages (Ma) | | | | | | | Observations |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | U | U/Th | 206Pb*/ | ± | 207Pb*/ | ± | 206Pb*/ | ± | error | 206Pb*/ | ± | 207Pb*/ | ± | 206Pb*/ | ± | Conc | |
| | (ppm) | | 207Pb* | (%) | 235U* | (%) | 238U | (%) | corr. | 238U* | (Ma) | 235U | (Ma) | 207Pb* | (Ma) | (%) | |
| OPP_0013RC_75 | 109 | 1.9 | 11.7786 | 2.1 | 2.6479 | 2.8 | 0.2263 | 1.8 | 0.65 | 1315.1 | 21.6 | 1314.1 | 20.6 | 1313.2 | 41.1 | 100.1 | Igneous protolith |
| OPP_0013RC_69 | 134 | 1.8 | 11.7233 | 1.9 | 2.6674 | 2.5 | 0.2269 | 1.7 | 0.67 | 1318.2 | 20.0 | 1319.5 | 18.6 | 1322.3 | 36.3 | 99.7 | Igneous protolith |
| OPP_0013RC_40 | 128 | 1.7 | 11.7786 | 1.9 | 2.6584 | 2.6 | 0.2272 | 1.8 | 0.70 | 1319.8 | 22.1 | 1317.0 | 19.5 | 1313.2 | 36.6 | 100.5 | Igneous protolith |
| OPP_0013RC_34 | 122 | 1.7 | 11.7509 | 2.5 | 2.6682 | 3.1 | 0.2275 | 1.8 | 0.60 | 1321.4 | 22.1 | 1319.7 | 22.8 | 1317.8 | 47.8 | 100.3 | Igneous protolith |
| OPP_0013RC_74 | 248 | 1.9 | 11.8765 | 1.5 | 2.6446 | 2.5 | 0.2279 | 2.0 | 0.79 | 1323.5 | 23.6 | 1313.1 | 18.5 | 1297.2 | 30.0 | 102.0 | Igneous protolith |
| OPP_0013RC_61 | 263 | 1.8 | 11.6822 | 1.8 | 2.6898 | 2.7 | 0.2280 | 2.0 | 0.75 | 1324.0 | 24.1 | 1325.6 | 19.8 | 1329.1 | 33.9 | 99.6 | Igneous protolith |
| OPP_0013RC_06 | 128 | 2.1 | 11.9048 | 2.0 | 2.6430 | 2.6 | 0.2283 | 1.7 | 0.64 | 1325.6 | 19.9 | 1312.7 | 19.3 | 1292.5 | 39.4 | 102.6 | Igneous protolith |
| OPP_0013RC_02 | 105 | 1.6 | 11.9048 | 1.9 | 2.6453 | 2.6 | 0.2285 | 1.8 | 0.69 | 1326.6 | 21.5 | 1313.3 | 19.3 | 1292.5 | 37.0 | 102.6 | Igneous protolith |
| OPP_0013RC_37 | 171 | 1.6 | 11.7647 | 1.8 | 2.6779 | 2.3 | 0.2286 | 1.5 | 0.64 | 1327.2 | 17.8 | 1322.4 | 17.1 | 1315.5 | 34.2 | 100.9 | Igneous protolith |
| OPP_0013RC_29 | 13 | 1.4 | 11.9760 | 5.4 | 2.6330 | 5.8 | 0.2288 | 2.1 | 0.37 | 1328.2 | 25.7 | 1309.9 | 42.7 | 1280.9 | 105.1 | 103.7 | Igneous protolith |
| OPP_0013RC_20 | 165 | 1.8 | 11.5340 | 2.4 | 2.7351 | 3.2 | 0.2289 | 2.1 | 0.65 | 1328.7 | 25.2 | 1338.0 | 23.8 | 1353.8 | 46.7 | 98.1 | Igneous protolith |
| OPP_0013RC_47 | 82 | 1.8 | 11.6009 | 2.1 | 2.7193 | 3.0 | 0.2289 | 2.1 | 0.71 | 1328.7 | 25.2 | 1333.7 | 22.0 | 1342.7 | 40.3 | 99.0 | Igneous protolith |
| OPP_0013RC_36 | 150 | 1.8 | 11.6009 | 2.4 | 2.7205 | 3.2 | 0.2290 | 2.0 | 0.64 | 1329.3 | 24.1 | 1334.1 | 23.4 | 1342.7 | 47.1 | 99.0 | Igneous protolith |
| OPP_0013RC_23 | 75 | 1.6 | 12.1507 | 4.7 | 2.6076 | 6.0 | 0.2299 | 3.7 | 0.61 | 1334.0 | 44.0 | 1302.8 | 43.9 | 1252.6 | 92.8 | 106.5 | Igneous protolith |
| OPP_0013RC_14 | 647 | 1.6 | 11.6959 | 1.6 | 2.7102 | 2.3 | 0.2300 | 1.7 | 0.71 | 1334.5 | 19.9 | 1331.3 | 17.3 | 1326.9 | 31.7 | 100.6 | Igneous protolith |
| OPP_0013RC_68 | 117 | 2.1 | 11.6279 | 2.8 | 2.7320 | 3.5 | 0.2305 | 2.2 | 0.61 | 1337.1 | 26.2 | 1337.2 | 26.3 | 1338.2 | 54.0 | 99.9 | Igneous protolith |
| OPP_0013RC_28 | 67 | 1.9 | 11.9332 | 3.5 | 2.6667 | 4.1 | 0.2309 | 2.3 | 0.55 | 1339.2 | 27.2 | 1319.3 | 30.5 | 1287.9 | 67.4 | 104.0 | Igneous protolith |
| OPP_0013RC_39 | 117 | 2.0 | 11.8906 | 2.3 | 2.6786 | 3.1 | 0.2311 | 2.1 | 0.68 | 1340.3 | 25.7 | 1322.6 | 22.9 | 1294.8 | 43.9 | 103.5 | Igneous protolith |
| OPP_0013RC_57 | 221 | 1.7 | 11.8064 | 2.0 | 2.6977 | 2.9 | 0.2311 | 2.1 | 0.73 | 1340.3 | 25.7 | 1327.8 | 21.6 | 1308.7 | 39.0 | 102.4 | Igneous protolith |
| OPP_0013RC_01 | 267 | 2.1 | 11.8906 | 1.5 | 2.6844 | 2.4 | 0.2316 | 1.9 | 0.78 | 1342.9 | 23.0 | 1324.2 | 18.1 | 1294.8 | 30.1 | 103.7 | Igneous protolith |
| OPP_0013RC_24 | 271 | 1.6 | 11.7925 | 1.8 | 2.7079 | 2.5 | 0.2317 | 1.8 | 0.71 | 1343.4 | 21.5 | 1330.6 | 18.6 | 1311.0 | 34.3 | 102.5 | Igneous protolith |
| OPP_0013RC_31 | 314 | 1.2 | 22.0264 | 5.3 | 0.0910 | 5.8 | 0.0146 | 2.3 | 0.39 | 93.1 | 2.1 | 88.5 | 4.9 | -34.1 | 128.3 | NA | Contamination? |
| OPP_0013RC_32 | 128 | 2.3 | 21.2314 | 8.5 | 0.0968 | 9.0 | 0.0149 | 3.0 | 0.33 | 95.4 | 2.9 | 93.8 | 8.1 | 54.3 | 202.9 | NA | Contamination? |
| OPP_0013RC_33 | 230 | 1.3 | 15.0602 | 8.1 | 0.1385 | 8.4 | 0.0151 | 2.2 | 0.27 | 96.8 | 2.2 | 131.7 | 10.4 | 819.0 | 170.1 | NA | Contamination? |

**CAL-0037R (Amphibolite)**

| Analysis | Isotope ratios | | | | | | | | | Apparent ages (Ma) | | | | | | | Observations |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | U | U/Th | 206Pb*/ | ± | 207Pb*/ | ± | 206Pb*/ | ± | error | 206Pb*/ | ± | 207Pb*/ | ± | 206Pb*/ | ± | Conc | |
| | (ppm) | | 207Pb* | (%) | 235U* | (%) | 238U | (%) | corr. | 238U* | (Ma) | 235U | (Ma) | 207Pb* | (Ma) | (%) | |
| CAL_0037R_03 | 228 | 1.1 | 15.6740 | 2.8 | 0.8151 | 3.8 | 0.0927 | 2.5 | 0.66 | 571.5 | 13.6 | 605.3 | 17.1 | 735.0 | 59.7 | 77.8 | Partial Pb-loss? Recrystallization? |
| CAL_0037R_20 | 474 | 3.7 | 13.3511 | 2.3 | 1.7249 | 3.8 | 0.1671 | 3.0 | 0.80 | 996.1 | 27.6 | 1017.9 | 24.1 | 1065.8 | 45.6 | 93.5 | Partial Pb-loss? Recrystallization? |
| CAL_0037R_24 | 281 | 1.0 | 11.7509 | 2.5 | 2.0267 | 3.7 | 0.1728 | 2.7 | 0.74 | 1027.5 | 25.8 | 1124.5 | 25.0 | 1317.8 | 47.8 | 78.0 | Partial Pb-loss? Recrystallization? |
| CAL_0037R_13 | 766 | 1.6 | 11.6686 | 1.5 | 2.0799 | 3.8 | 0.1761 | 3.5 | 0.92 | 1045.6 | 33.4 | 1142.2 | 25.9 | 1331.4 | 29.4 | 78.5 | Partial Pb-loss? Recrystallization? |
| CAL_0037R_18 | 953 | 1.8 | 11.7786 | 1.3 | 2.1869 | 2.3 | 0.1869 | 1.9 | 0.83 | 1104.6 | 19.6 | 1176.9 | 16.2 | 1313.2 | 25.1 | 84.1 | Partial Pb-loss? Recrystallization? |
| CAL_0037R_07 | 219 | 3.2 | 12.2549 | 2.0 | 2.2728 | 2.6 | 0.2021 | 1.6 | 0.64 | 1186.6 | 17.7 | 1203.9 | 18.0 | 1236.0 | 38.4 | 96.0 | Partial Pb-loss? Recrystallization? |
| CAL_0037R_40 | 352 | 2.3 | 11.9760 | 1.6 | 2.3499 | 2.2 | 0.2042 | 1.6 | 0.71 | 1197.8 | 17.1 | 1227.5 | 15.7 | 1280.9 | 30.3 | 93.5 | Partial Pb-loss? Recrystallization? |
| CAL_0037R_09 | 161 | 1.7 | 11.7509 | 2.2 | 2.5321 | 2.6 | 0.2159 | 1.3 | 0.52 | 1260.2 | 15.4 | 1281.3 | 19.0 | 1317.8 | 43.3 | 95.6 | Partial Pb-loss? Recrystallization? |
| CAL_0037R_34 | 581 | 1.7 | 11.6550 | 1.4 | 2.6026 | 2.1 | 0.2201 | 1.5 | 0.74 | 1282.4 | 18.0 | 1301.4 | 15.3 | 1333.7 | 27.1 | 96.2 | Igneous protolith |
| CAL_0037R_23 | 180 | 1.8 | 11.8343 | 2.4 | 2.5655 | 2.9 | 0.2203 | 1.6 | 0.56 | 1283.5 | 18.5 | 1290.9 | 20.8 | 1304.1 | 46.0 | 98.4 | Igneous protolith |
| CAL_0037R_08 | 147 | 1.6 | 11.7647 | 2.2 | 2.5913 | 2.7 | 0.2212 | 1.4 | 0.54 | 1288.2 | 16.9 | 1298.2 | 19.5 | 1315.5 | 43.3 | 97.9 | Igneous protolith |
| CAL_0037R_10 | 101 | 2.3 | 11.7233 | 2.3 | 2.6028 | 2.9 | 0.2214 | 1.8 | 0.60 | 1289.3 | 20.6 | 1301.4 | 21.5 | 1322.3 | 45.4 | 97.5 | Igneous protolith |
| CAL_0037R_02 | 144 | 1.7 | 11.8765 | 1.7 | 2.5727 | 2.3 | 0.2217 | 1.6 | 0.70 | 1290.9 | 19.0 | 1292.9 | 17.0 | 1297.2 | 32.3 | 99.5 | Igneous protolith |
| CAL_0037R_14 | 811 | 1.1 | 11.8765 | 1.7 | 2.5727 | 2.5 | 0.2217 | 1.8 | 0.74 | 1290.9 | 21.6 | 1292.9 | 18.2 | 1297.2 | 32.3 | 99.5 | Igneous protolith |
| CAL_0037R_35 | 188 | 1.7 | 11.8483 | 2.0 | 2.5881 | 2.7 | 0.2225 | 1.8 | 0.66 | 1295.1 | 20.6 | 1297.3 | 19.6 | 1301.8 | 39.1 | 99.5 | Igneous protolith |
| CAL_0037R_15 | 206 | 1.7 | 11.7647 | 1.4 | 2.6229 | 2.1 | 0.2239 | 1.6 | 0.75 | 1302.4 | 19.0 | 1307.1 | 15.7 | 1315.5 | 27.4 | 99.0 | Igneous protolith |
| CAL_0037R_11 | 378 | 1.9 | 11.7509 | 1.5 | 2.6342 | 2.3 | 0.2246 | 1.7 | 0.75 | 1306.1 | 20.5 | 1310.2 | 17.0 | 1317.8 | 29.6 | 99.1 | Igneous protolith |
| CAL_0037R_21 | 514 | 1.3 | 11.6959 | 1.3 | 2.6477 | 2.1 | 0.2247 | 1.7 | 0.80 | 1306.7 | 20.0 | 1314.0 | 15.7 | 1326.9 | 24.9 | 98.5 | Igneous protolith |
| CAL_0037R_37 | 197 | 1.5 | 11.7233 | 2.0 | 2.6451 | 2.6 | 0.2250 | 1.7 | 0.66 | 1308.2 | 20.5 | 1313.3 | 19.5 | 1322.3 | 38.6 | 98.9 | Igneous protolith |
| CAL_0037R_22 | 539 | 1.4 | 11.8483 | 1.4 | 2.6207 | 2.2 | 0.2253 | 1.7 | 0.77 | 1309.8 | 20.5 | 1306.4 | 16.5 | 1301.8 | 27.6 | 100.6 | Igneous protolith |
| CAL_0037R_01 | 146 | 1.6 | 12.0773 | 1.9 | 2.5767 | 2.6 | 0.2258 | 1.8 | 0.68 | 1312.4 | 21.0 | 1294.0 | 19.2 | 1264.5 | 37.7 | 103.8 | Igneous protolith |

**CAL-0037R (Amphibolite)**

| Analysis | Isotope ratios | | | | | | | | | Apparent ages (Ma) | | | | | | | Observations |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | U | U/Th | 206Pb*/ | ± | 207Pb*/ | ± | 206Pb*/ | ± | error | 206Pb*/ | ± | 207Pb*/ | ± | 206Pb*/ | ± | Conc | |
| | (ppm) | | 207Pb* | (%) | 235U* | (%) | 238U | (%) | corr. | **238U*** | **(Ma)** | **235U** | **(Ma)** | **207Pb*** | **(Ma)** | **(%)** | |
| CAL_0037R_17 | 901 | 1.3 | 11.7233 | 1.4 | 2.6557 | 2.2 | 0.2259 | 1.7 | 0.77 | 1313.0 | 20.0 | 1316.2 | 16.2 | 1322.3 | 27.3 | 99.3 | Igneous protolith |
| CAL_0037R_12 | 931 | 2.5 | 11.6414 | 1.7 | 2.6909 | 2.3 | 0.2273 | 1.5 | 0.64 | 1320.3 | 17.3 | 1326.0 | 16.8 | 1335.9 | 33.8 | 98.8 | Igneous protolith |
| CAL_0037R_27 | 531 | 1.6 | 11.8064 | 1.4 | 2.6615 | 2.5 | 0.2280 | 2.1 | 0.82 | 1324.0 | 24.7 | 1317.8 | 18.5 | 1308.7 | 27.5 | 101.2 | Igneous protolith |
| CAL_0037R_26 | 858 | 1.9 | 11.8343 | 1.8 | 2.6703 | 2.7 | 0.2293 | 2.0 | 0.76 | 1330.8 | 24.6 | 1320.3 | 20.0 | 1304.1 | 34.5 | 102.1 | Igneous protolith |
| CAL_0037R_32 | 82 | 1.5 | 11.8906 | 2.6 | 2.6600 | 3.4 | 0.2295 | 2.2 | 0.65 | 1331.9 | 26.7 | 1317.4 | 25.3 | 1294.8 | 50.9 | 102.9 | Igneous protolith |
| CAL_0037R_25 | 442 | 1.3 | 11.7925 | 1.8 | 2.6868 | 2.7 | 0.2299 | 2.0 | 0.75 | 1334.0 | 24.1 | 1324.8 | 19.8 | 1311.0 | 34.3 | 101.8 | Igneous protolith |
| CAL_0037R_28 | 411 | 2.9 | 9.4787 | 1.3 | 4.7269 | 2.1 | 0.3251 | 1.6 | 0.78 | 1814.6 | 25.8 | 1772.0 | 17.6 | 1723.0 | 24.4 | 105.3 | Inherit |
| CAL_0037R_29 | 141 | 0.8 | 9.0416 | 2.2 | 4.5576 | 3.2 | 0.2990 | 2.4 | 0.74 | 1686.3 | 35.2 | 1741.5 | 26.8 | 1809.3 | 39.4 | 93.2 | Inherit |
| CAL_0037R_05 | 94 | 0.9 | 19.2308 | 9.0 | 0.1048 | 9.3 | 0.0146 | 2.3 | 0.25 | 93.6 | 2.2 | 101.2 | 9.0 | 285.4 | 207.0 | NA | Contamination? |
| CAL_0037R_33 | 650 | 1.5 | 20.3252 | 4.1 | 0.0996 | 4.6 | 0.0147 | 2.1 | 0.46 | 94.0 | 2.0 | 96.4 | 4.2 | 157.4 | 95.2 | NA | Contamination? |
| CAL_0037R_06 | 71 | 1.0 | 20.5761 | 11.7 | 0.1019 | 12.1 | 0.0152 | 3.2 | 0.26 | 97.3 | 3.0 | 98.5 | 11.4 | 128.6 | 276.8 | NA | Contamination? |
| CAL_0037R_36 | 344 | 1.7 | 21.8818 | 5.9 | 0.0958 | 6.5 | 0.0152 | 2.6 | 0.41 | 97.3 | 2.5 | 92.9 | 5.7 | -18.2 | 143.0 | NA | Contamination? |

**OPP-0036R (Quartzite)**

| Analysis | Isotope ratios | | | | | | | | | Apparent ages (Ma) | | | | | | | Observations |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | U | U/Th | 206Pb*/ | ± | 207Pb*/ | ± | 206Pb*/ | ± | error | 206Pb*/ | ± | 207Pb*/ | ± | 206Pb*/ | ± | Conc | |
| | (ppm) | | 207Pb* | (%) | 235U* | (%) | 238U | (%) | corr. | 238U* | **(Ma)** | **235U** | **(Ma)** | **207Pb*** | **(Ma)** | **(%)** | |
| OPP_0036R_01 | 162 | 0.7 | 9.8039 | 1.7 | 4.1441 | 2.3 | 0.2948 | 1.5 | 0.68 | 1665.5 | 22.4 | 1663.1 | 18.5 | 1660.8 | 30.9 | 100.3 | Detrital zircon |
| OPP_0036R_02 | 227 | 1.4 | 9.6432 | 1.6 | 4.1932 | 2.1 | 0.2934 | 1.3 | 0.63 | 1658.5 | 19.4 | 1672.7 | 17.3 | 1691.4 | 30.2 | 98.1 | Detrital zircon |
| OPP_0036R_03 | 119 | 2.3 | 9.6618 | 1.8 | 4.1395 | 2.7 | 0.2902 | 1.9 | 0.72 | 1642.5 | 28.0 | 1662.1 | 21.8 | 1687.8 | 33.9 | 97.3 | Detrital zircon |
| OPP_0036R_04 | 129 | 1.6 | 9.4967 | 1.6 | 4.4103 | 2.3 | 0.3039 | 1.6 | 0.70 | 1710.6 | 23.7 | 1714.3 | 18.7 | 1719.5 | 29.7 | 99.5 | Detrital zircon |
| OPP_0036R_05 | 483 | 0.8 | 10.5820 | 1.5 | 3.2234 | 2.1 | 0.2475 | 1.5 | 0.71 | 1425.6 | 19.1 | 1462.8 | 16.3 | 1518.1 | 27.9 | 93.9 | Detrital zircon |
| OPP_0036R_06 | 346 | 1.6 | 8.0451 | 1.4 | 6.1705 | 2.3 | 0.3602 | 1.7 | 0.77 | 1983.1 | 29.9 | 2000.3 | 19.8 | 2018.8 | 25.7 | 98.2 | Detrital zircon |
| OPP_0036R_07 | 343 | 1.5 | 7.9745 | 1.4 | 6.1283 | 2.3 | 0.3546 | 1.7 | 0.77 | 1956.5 | 29.5 | 1994.3 | 19.7 | 2034.4 | 25.4 | 96.2 | Detrital zircon |
| OPP_0036R_08 | 314 | 1.5 | 9.4073 | 1.4 | 4.3877 | 2.1 | 0.2995 | 1.5 | 0.73 | 1688.8 | 22.3 | 1710.0 | 17.0 | 1736.9 | 25.9 | 97.2 | Detrital zircon |
| OPP_0036R_09 | 170 | 1.3 | 6.0938 | 1.6 | 10.4667 | 2.4 | 0.4628 | 1.7 | 0.72 | 2451.9 | 34.8 | 2477.0 | 22.0 | 2498.3 | 27.7 | 98.1 | Detrital zircon |
| OPP_0036R_10 | 153 | 1.2 | 5.9277 | 1.4 | 10.9275 | 2.0 | 0.4700 | 1.5 | 0.74 | 2483.6 | 30.7 | 2517.0 | 18.8 | 2544.8 | 22.8 | 97.6 | Detrital zircon |
| OPP_0036R_11 | 125 | 1.2 | 9.8814 | 2.3 | 3.7964 | 2.9 | 0.2722 | 1.8 | 0.63 | 1552.0 | 25.3 | 1592.0 | 23.5 | 1646.2 | 42.2 | 94.3 | Detrital zircon |
| OPP_0036R_12 | 67 | 1.6 | 10.2249 | 2.7 | 3.8360 | 3.5 | 0.2846 | 2.2 | 0.64 | 1614.5 | 31.6 | 1600.3 | 27.9 | 1582.6 | 49.7 | 102.0 | Detrital zircon |
| OPP_0036R_13 | 397 | 1.5 | 9.0009 | 1.5 | 4.9089 | 2.3 | 0.3206 | 1.7 | 0.75 | 1792.7 | 27.3 | 1803.8 | 19.6 | 1817.5 | 27.8 | 98.6 | Detrital zircon |
| OPP_0036R_14 | 194 | 1.1 | 10.4167 | 2.2 | 3.3500 | 2.7 | 0.2532 | 1.6 | 0.59 | 1455.0 | 21.1 | 1492.8 | 21.3 | 1547.8 | 41.1 | 94.0 | Detrital zircon |
| OPP_0036R_15 | 149 | 1.3 | 11.9048 | 2.0 | 2.5307 | 2.6 | 0.2186 | 1.6 | 0.63 | 1274.5 | 19.0 | 1280.9 | 19.0 | 1292.5 | 39.4 | 98.6 | Detrital zircon |
| OPP_0036R_16 | 347 | 1.0 | 9.3284 | 1.6 | 4.4175 | 2.4 | 0.2990 | 1.8 | 0.76 | 1686.3 | 27.3 | 1715.6 | 20.1 | 1752.3 | 29.0 | 96.2 | Detrital zircon |
| OPP_0036R_17 | 220 | 0.9 | 10.9409 | 1.8 | 3.2222 | 2.2 | 0.2558 | 1.4 | 0.62 | 1468.3 | 18.0 | 1462.5 | 17.2 | 1454.9 | 33.3 | 100.9 | Detrital zircon |
| OPP_0036R_18 | 188 | 1.7 | 11.8906 | 1.9 | 2.5430 | 2.5 | 0.2194 | 1.5 | 0.63 | 1278.7 | 18.0 | 1284.4 | 17.9 | 1294.8 | 37.0 | 98.8 | Detrital zircon |
| OPP_0036R_19 | 308 | 1.2 | 9.3721 | 1.4 | 4.4924 | 1.9 | 0.3055 | 1.3 | 0.67 | 1718.5 | 19.3 | 1729.6 | 15.8 | 1743.8 | 25.8 | 98.6 | Detrital zircon |
| OPP_0036R_20 | 281 | 0.8 | 10.9051 | 1.4 | 3.1405 | 2.0 | 0.2485 | 1.4 | 0.71 | 1430.7 | 18.6 | 1442.7 | 15.6 | 1461.2 | 26.9 | 97.9 | Detrital zircon |
| OPP_0036R_21 | 31 | 0.5 | 10.3093 | 4.1 | 3.3207 | 4.8 | 0.2484 | 2.4 | 0.50 | 1430.2 | 30.5 | 1485.9 | 37.2 | 1567.2 | 77.3 | 91.3 | Detrital zircon |
| OPP_0036R_22 | 35 | 0.5 | 10.7527 | 3.0 | 3.1107 | 3.9 | 0.2427 | 2.4 | 0.63 | 1400.7 | 30.6 | 1435.3 | 29.7 | 1487.9 | 57.0 | 94.1 | Detrital zircon |
| OPP_0036R_23 | 301 | 1.6 | 9.1241 | 1.5 | 4.7686 | 2.5 | 0.3157 | 2.0 | 0.81 | 1768.7 | 31.4 | 1779.4 | 21.0 | 1792.8 | 26.6 | 98.7 | Detrital zircon |
| OPP_0036R_24 | 159 | 1.4 | 9.2421 | 1.6 | 4.5720 | 2.7 | 0.3066 | 2.2 | 0.81 | 1724.0 | 32.6 | 1744.2 | 22.2 | 1769.3 | 28.7 | 97.4 | Detrital zircon |
| OPP_0036R_25 | 253 | 1.2 | 9.3458 | 1.6 | 4.5464 | 2.5 | 0.3083 | 1.9 | 0.77 | 1732.3 | 29.6 | 1739.5 | 20.9 | 1748.9 | 29.1 | 99.1 | Detrital zircon |
| OPP_0036R_26 | 102 | 1.3 | 10.9890 | 2.1 | 2.9849 | 2.6 | 0.2380 | 1.5 | 0.59 | 1376.3 | 18.7 | 1403.8 | 19.6 | 1446.6 | 39.8 | 95.1 | Detrital zircon |
| OPP_0036R_27 | 240 | 1.4 | 11.9904 | 1.6 | 2.4885 | 2.1 | 0.2165 | 1.5 | 0.69 | 1263.4 | 17.0 | 1268.7 | 15.6 | 1278.6 | 30.4 | 98.8 | Detrital zircon |
| OPP_0036R_28 | 733 | 1.3 | 9.7561 | 1.6 | 3.8438 | 2.2 | 0.2721 | 1.5 | 0.70 | 1551.5 | 21.3 | 1602.0 | 17.7 | 1669.9 | 28.9 | 92.9 | Detrital zircon |
| OPP_0036R_29 | 152 | 1.1 | 9.7087 | 1.7 | 4.1280 | 2.7 | 0.2908 | 2.1 | 0.76 | 1645.5 | 30.0 | 1659.9 | 22.1 | 1678.9 | 32.3 | 98.0 | Detrital zircon |
| OPP_0036R_30 | 163 | 0.8 | 9.5329 | 1.9 | 3.8311 | 2.8 | 0.2650 | 2.1 | 0.74 | 1515.4 | 28.5 | 1599.3 | 22.9 | 1712.5 | 35.1 | 88.5 | Detrital zircon |
| OPP_0036R_31 | 75 | 1.5 | 9.5694 | 2.3 | 4.0225 | 2.9 | 0.2793 | 1.8 | 0.61 | 1587.8 | 25.2 | 1638.7 | 23.7 | 1705.5 | 42.3 | 93.1 | Detrital zircon |
| OPP_0036R_32 | 50 | 1.0 | 9.8135 | 3.0 | 3.7609 | 3.7 | 0.2678 | 2.2 | 0.58 | 1529.6 | 29.5 | 1584.4 | 30.0 | 1659.0 | 56.3 | 92.2 | Detrital zircon |
| OPP_0036R_33 | 160 | 1.4 | 10.6157 | 1.6 | 3.3832 | 2.0 | 0.2606 | 1.3 | 0.62 | 1492.9 | 16.9 | 1500.5 | 15.9 | 1512.1 | 30.1 | 98.7 | Detrital zircon |
| OPP_0036R_34 | 115 | 1.9 | 10.6383 | 1.8 | 3.3268 | 2.5 | 0.2568 | 1.8 | 0.70 | 1473.4 | 23.6 | 1487.4 | 19.9 | 1508.1 | 34.2 | 97.7 | Detrital zircon |
| OPP_0036R_35 | 141 | 3.0 | 10.4822 | 2.1 | 3.4263 | 2.8 | 0.2606 | 1.8 | 0.66 | 1492.9 | 24.5 | 1510.5 | 21.9 | 1536.0 | 39.5 | 97.2 | Detrital zircon |

| OPP-0036R (Quartzite) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analysis | Isotope ratios | | | | | | | | | Apparent ages (Ma) | | | | | | | Observations |
| | U | U/Th | 206Pb*/ | ± | 207Pb*/ | ± | 206Pb*/ | ± | error | 206Pb*/ | ± | 207Pb*/ | ± | 206Pb*/ | ± | Conc | |
| | (ppm) | | 207Pb* | (%) | 235U* | (%) | 238U | (%) | corr. | 238U* | (Ma) | 235U | (Ma) | 207Pb* | (Ma) | (%) | |
| OPP_0036R_36 | 81 | 0.9 | 10.6610 | 3.0 | 3.3443 | 3.5 | 0.2587 | 1.9 | 0.53 | 1483.2 | 24.6 | 1491.5 | 27.5 | 1504.1 | 56.4 | 98.6 | Detrital zircon |
| OPP_0036R_37 | 70 | 1.0 | 10.2041 | 2.3 | 3.3441 | 3.0 | 0.2476 | 1.9 | 0.63 | 1426.1 | 24.3 | 1491.4 | 23.6 | 1586.4 | 43.9 | 89.9 | Detrital zircon |
| OPP_0036R_38 | 268 | 17.4 | 5.4377 | 1.2 | 12.8092 | 1.8 | 0.5054 | 1.3 | 0.73 | 2637.0 | 27.8 | 2665.7 | 16.5 | 2688.3 | 19.8 | 98.1 | Detrital zircon |
| OPP_0036R_39 | 91 | 1.2 | 9.4073 | 2.2 | 4.5181 | 2.9 | 0.3084 | 1.9 | 0.67 | 1732.8 | 29.6 | 1734.3 | 24.2 | 1736.9 | 39.7 | 99.8 | Detrital zircon |
| OPP_0036R_40 | 83 | 2.0 | 11.7233 | 2.7 | 2.6451 | 3.3 | 0.2250 | 1.9 | 0.57 | 1308.2 | 22.1 | 1313.3 | 24.2 | 1322.3 | 52.2 | 98.9 | Detrital zircon |
| OPP_0036R_41 | 291 | 1.5 | 9.4877 | 1.6 | 4.1399 | 2.4 | 0.2850 | 1.8 | 0.74 | 1616.5 | 25.6 | 1662.2 | 19.7 | 1721.3 | 29.6 | 93.9 | Detrital zircon |
| OPP_0036R_42 | 132 | 1.5 | 9.3197 | 1.8 | 4.4423 | 2.3 | 0.3004 | 1.5 | 0.65 | 1693.3 | 22.3 | 1720.3 | 19.2 | 1754.0 | 32.4 | 96.5 | Detrital zircon |
| OPP_0036R_43 | 222 | 1.5 | 9.7276 | 1.5 | 4.0576 | 2.0 | 0.2864 | 1.4 | 0.69 | 1623.5 | 20.0 | 1645.8 | 16.5 | 1675.3 | 27.0 | 96.9 | Detrital zircon |
| OPP_0036R_44 | 86 | 1.2 | 10.5042 | 2.7 | 3.1777 | 3.2 | 0.2422 | 1.7 | 0.53 | 1398.1 | 21.3 | 1451.8 | 24.8 | 1532.0 | 51.4 | 91.3 | Detrital zircon |
| OPP_0036R_45 | 161 | 1.5 | 11.0132 | 2.1 | 3.0634 | 2.8 | 0.2448 | 1.8 | 0.65 | 1411.6 | 22.8 | 1423.6 | 21.1 | 1442.4 | 39.9 | 97.9 | Detrital zircon |
| OPP_0036R_46 | 242 | 7.0 | 9.4518 | 1.7 | 4.5712 | 2.2 | 0.3135 | 1.4 | 0.64 | 1757.9 | 21.6 | 1744.0 | 18.4 | 1728.2 | 31.2 | 101.7 | Detrital zircon |
| OPP_0036R_47 | 60 | 1.1 | 11.2233 | 2.1 | 3.0453 | 2.9 | 0.2480 | 2.0 | 0.68 | 1428.2 | 25.3 | 1419.1 | 22.2 | 1406.3 | 40.8 | 101.6 | Detrital zircon |
| OPP_0036R_48 | 49 | 0.7 | 10.7643 | 3.1 | 3.2751 | 3.7 | 0.2558 | 2.1 | 0.55 | 1468.3 | 27.2 | 1475.2 | 29.2 | 1485.8 | 59.1 | 98.8 | Detrital zircon |
| OPP_0036R_49 | 706 | 2.3 | 10.5708 | 1.5 | 3.3507 | 2.1 | 0.2570 | 1.6 | 0.72 | 1474.5 | 20.5 | 1492.9 | 16.8 | 1520.1 | 27.9 | 97.0 | Detrital zircon |
| OPP_0036R_50 | 159 | 1.5 | 11.0742 | 2.2 | 3.1312 | 3.2 | 0.2516 | 2.3 | 0.72 | 1446.7 | 29.4 | 1440.4 | 24.4 | 1431.9 | 42.3 | 101.0 | Detrital zircon |
| OPP-0036R_51 | 85 | 1.0 | 9.4518 | 1.5 | 4.1833 | 2.3 | 0.2869 | 1.7 | 0.76 | 1626.0 | 25.0 | 1670.8 | 18.9 | 1728.2 | 27.8 | 94.1 | Detrital zircon |
| OPP_0036R_52 | 305 | 1.3 | 9.4162 | 1.7 | 4.4319 | 2.5 | 0.3028 | 1.9 | 0.74 | 1705.2 | 28.2 | 1718.3 | 21.0 | 1735.2 | 31.1 | 98.3 | Detrital zircon |
| OPP_0036R_53 | 180 | 1.5 | 9.5694 | 1.5 | 4.4949 | 2.6 | 0.3121 | 2.1 | 0.80 | 1751.0 | 31.4 | 1730.0 | 21.3 | 1705.5 | 28.2 | 102.7 | Detrital zircon |
| OPP_0036R_54 | 357 | 1.8 | 8.6806 | 1.3 | 5.1885 | 2.2 | 0.3268 | 1.8 | 0.81 | 1822.9 | 28.7 | 1850.7 | 19.0 | 1883.0 | 23.5 | 96.8 | Detrital zircon |
| OPP_0036R_55 | 62 | 1.3 | 10.2669 | 3.1 | 3.5156 | 3.5 | 0.2619 | 1.7 | 0.48 | 1499.6 | 22.5 | 1530.7 | 27.7 | 1574.9 | 57.7 | 95.2 | Detrital zircon |
| OPP_0036R_56 | 25 | 1.1 | 12.2399 | 3.8 | 2.5188 | 4.3 | 0.2237 | 2.0 | 0.46 | 1301.4 | 23.2 | 1277.5 | 31.1 | 1238.4 | 74.4 | 105.1 | Detrital zircon |
| OPP_0036R_57 | 117 | 1.2 | 9.1075 | 1.8 | 4.8530 | 2.4 | 0.3207 | 1.5 | 0.64 | 1793.1 | 23.9 | 1794.1 | 20.0 | 1796.1 | 33.2 | 99.8 | Detrital zircon |
| OPP_0036R_58 | 122 | 1.5 | 9.5511 | 1.9 | 4.6261 | 2.4 | 0.3206 | 1.5 | 0.62 | 1792.7 | 23.4 | 1754.0 | 20.3 | 1709.0 | 35.2 | 104.9 | Detrital zircon |
| OPP_0036R_59 | 355 | 5.5 | 9.2678 | 1.3 | 4.6337 | 1.9 | 0.3116 | 1.4 | 0.74 | 1748.6 | 21.6 | 1755.4 | 16.0 | 1764.2 | 23.7 | 99.1 | Detrital zircon |
| OPP_0036R_60 | 384 | 2.1 | 9.1241 | 1.6 | 4.8215 | 2.4 | 0.3192 | 1.8 | 0.74 | 1785.8 | 28.3 | 1788.7 | 20.6 | 1792.8 | 29.9 | 99.6 | Detrital zircon |
| OPP_0036R_61 | 135 | 1.8 | 8.6505 | 1.9 | 5.4726 | 2.7 | 0.3435 | 1.9 | 0.71 | 1903.5 | 31.7 | 1896.3 | 23.2 | 1889.2 | 34.3 | 100.8 | Detrital zircon |
| OPP_0036R_62 | 87 | 1.2 | 5.1073 | 1.8 | 14.2911 | 2.4 | 0.5296 | 1.6 | 0.68 | 2739.8 | 36.7 | 2769.2 | 23.0 | 2791.5 | 29.3 | 98.1 | Detrital zircon |
| OPP_0036R_63 | 73 | 1.4 | 4.9285 | 1.8 | 15.3798 | 2.5 | 0.5500 | 1.8 | 0.72 | 2825.2 | 41.6 | 2839.1 | 24.2 | 2849.7 | 28.9 | 99.1 | Detrital zircon |
| OPP_0036R_64 | 55 | 0.6 | 5.4377 | 1.5 | 13.3313 | 2.4 | 0.5260 | 1.9 | 0.79 | 2724.6 | 42.2 | 2703.4 | 22.7 | 2688.3 | 24.3 | 101.3 | Detrital zircon |
| OPP_0036R_65 | 153 | 1.2 | 9.5420 | 1.5 | 4.4327 | 2.3 | 0.3069 | 1.7 | 0.74 | 1725.4 | 25.6 | 1718.5 | 18.9 | 1710.8 | 28.1 | 100.9 | Detrital zircon |
| OPP_0036R_66 | 216 | 0.8 | 9.3371 | 1.9 | 4.5668 | 2.5 | 0.3094 | 1.7 | 0.68 | 1737.8 | 26.1 | 1743.2 | 21.1 | 1750.6 | 34.2 | 99.3 | Detrital zircon |
| OPP_0036R_67 | 92 | 0.8 | 10.6952 | 2.6 | 3.2756 | 3.2 | 0.2542 | 1.9 | 0.60 | 1460.1 | 25.2 | 1475.3 | 25.0 | 1498.0 | 48.6 | 97.5 | Detrital zircon |
| OPP_0036R_68 | 32 | 1.0 | 10.7066 | 2.7 | 3.2013 | 3.6 | 0.2487 | 2.4 | 0.67 | 1431.8 | 31.0 | 1457.5 | 27.9 | 1496.0 | 50.6 | 95.7 | Detrital zircon |
| OPP_0036R_69 | 445 | 2.4 | 9.3633 | 1.6 | 4.6159 | 2.4 | 0.3136 | 1.8 | 0.75 | 1758.4 | 27.5 | 1752.1 | 20.0 | 1745.5 | 29.2 | 100.7 | Detrital zircon |
| OPP_0036R_70 | 559 | 1.5 | 10.6045 | 1.8 | 3.4700 | 2.5 | 0.2670 | 1.8 | 0.70 | 1525.6 | 23.9 | 1520.4 | 19.9 | 1514.1 | 34.0 | 100.8 | Detrital zircon |
| OPP_0036R_71 | 146 | 1.4 | 11.6822 | 2.2 | 2.6957 | 2.6 | 0.2285 | 1.4 | 0.55 | 1326.6 | 17.3 | 1327.3 | 19.6 | 1329.1 | 43.0 | 99.8 | Detrital zircon |
| OPP_0036R_72 | 214 | 1.2 | 11.6550 | 2.0 | 2.7398 | 2.6 | 0.2317 | 1.7 | 0.66 | 1343.4 | 20.9 | 1339.3 | 19.6 | 1333.7 | 38.3 | 100.7 | Detrital zircon |
| OPP_0036R_73 | 212 | 4.7 | 8.1235 | 1.9 | 6.0821 | 2.4 | 0.3585 | 1.5 | 0.63 | 1975.1 | 26.1 | 1987.7 | 21.1 | 2001.6 | 33.2 | 98.7 | Detrital zircon |
| OPP_0036R_74 | 163 | 2.8 | 5.5127 | 1.5 | 12.6776 | 2.3 | 0.5071 | 1.7 | 0.75 | 2644.2 | 36.8 | 2656.0 | 21.2 | 2665.7 | 24.7 | 99.2 | Detrital zircon |
| OPP_0036R_75 | 281 | 2.2 | 5.4318 | 1.6 | 12.5288 | 2.3 | 0.4938 | 1.7 | 0.74 | 2587.1 | 37.1 | 2644.9 | 22.1 | 2690.1 | 26.0 | 96.2 | Detrital zircon |
| OPP_0036R_76 | 641 | 1.0 | 10.6157 | 1.5 | 3.3793 | 2.4 | 0.2603 | 1.8 | 0.78 | 1491.4 | 24.6 | 1499.6 | 18.6 | 1512.1 | 28.1 | 98.6 | Detrital zircon |
| OPP_0036R_77 | 104 | 0.8 | 9.6246 | 2.1 | 4.0237 | 2.7 | 0.2810 | 1.6 | 0.61 | 1596.4 | 23.1 | 1639.0 | 21.8 | 1694.9 | 39.0 | 94.2 | Detrital zircon |
| OPP_0036R_78 | 99 | 0.8 | 9.7087 | 2.0 | 4.0854 | 2.4 | 0.2878 | 1.3 | 0.54 | 1630.5 | 19.0 | 1651.4 | 19.8 | 1678.9 | 37.7 | 97.1 | Detrital zircon |
| OPP_0036R_79 | 182 | 1.3 | 9.8039 | 1.7 | 4.1174 | 2.5 | 0.2929 | 1.8 | 0.74 | 1656.0 | 26.4 | 1657.8 | 20.1 | 1660.8 | 30.9 | 99.7 | Detrital zircon |
| OPP_0036R_80 | 318 | 1.5 | 9.1912 | 1.7 | 4.3814 | 2.4 | 0.2922 | 1.7 | 0.69 | 1652.5 | 24.4 | 1708.8 | 20.0 | 1779.4 | 31.9 | 92.9 | Detrital zircon |
| OPP_0036R_81 | 156 | 1.3 | 8.9445 | 1.8 | 4.8381 | 2.5 | 0.3140 | 1.8 | 0.70 | 1760.4 | 27.0 | 1791.6 | 21.1 | 1828.9 | 32.4 | 96.3 | Detrital zircon |
| OPP_0036R_82 | 151 | 1.6 | 9.2937 | 1.6 | 4.5882 | 2.5 | 0.3094 | 2.0 | 0.78 | 1737.8 | 30.0 | 1747.1 | 21.1 | 1759.1 | 28.9 | 98.8 | Detrital zircon |
| OPP_0036R_83 | 442 | 1.7 | 8.9526 | 1.3 | 4.6737 | 2.5 | 0.3036 | 2.1 | 0.84 | 1709.1 | 31.2 | 1762.5 | 20.7 | 1827.2 | 24.4 | 93.5 | Detrital zircon |
| OPP_0036R_84 | 110 | 1.2 | 9.4877 | 2.4 | 4.2140 | 3.1 | 0.2901 | 2.0 | 0.64 | 1642.0 | 29.0 | 1676.7 | 25.5 | 1721.3 | 43.6 | 95.4 | Detrital zircon |
| OPP_0036R_85 | 187 | 1.0 | 10.7643 | 1.6 | 3.2251 | 2.3 | 0.2519 | 1.7 | 0.72 | 1448.3 | 21.6 | 1463.2 | 18.0 | 1485.8 | 30.6 | 97.5 | Detrital zircon |
| OPP_0036R_86 | 79 | 1.4 | 10.8460 | 2.0 | 3.1094 | 2.7 | 0.2447 | 1.8 | 0.69 | 1411.1 | 23.3 | 1435.0 | 20.6 | 1471.5 | 37.1 | 95.9 | Detrital zircon |
| OPP_0036R_87 | 291 | 1.6 | 8.1699 | 1.3 | 5.8839 | 2.0 | 0.3488 | 1.5 | 0.76 | 1928.9 | 25.3 | 1958.9 | 17.4 | 1991.5 | 23.2 | 96.9 | Detrital zircon |

| OPP-0036R (Quartzite) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analysis | Isotope ratios | | | | | | | | | Apparent ages (Ma) | | | | | | | Observations |
| | U | U/Th | 206Pb*/ | ± | 207Pb*/ | ± | 206Pb*/ | ± | error | 206Pb*/ | ± | 207Pb*/ | ± | 206Pb*/ | ± | Conc | |
| | (ppm) | | 207Pb* | (%) | 235U* | (%) | 238U | (%) | corr. | 238U* | (Ma) | 235U | (Ma) | 207Pb* | (Ma) | (%) | |
| OPP_0036R_88 | 56 | 1.1 | 10.8578 | 2.4 | 3.2710 | 3.0 | 0.2577 | 1.8 | 0.61 | 1478.1 | 24.1 | 1474.2 | 23.4 | 1469.4 | 45.4 | 100.6 | Detrital zircon |
| OPP_0036R_89 | 167 | 3.0 | 9.4518 | 1.5 | 4.2548 | 2.4 | 0.2918 | 1.9 | 0.78 | 1650.5 | 27.4 | 1684.7 | 19.9 | 1728.2 | 27.8 | 95.5 | Detrital zircon |
| OPP_0036R_90 | 104 | 1.5 | 9.6061 | 1.9 | 4.1592 | 2.6 | 0.2899 | 1.8 | 0.68 | 1641.0 | 26.0 | 1666.0 | 21.5 | 1698.5 | 35.4 | 96.6 | Detrital zircon |
| OPP_0036R_91 | 174 | 1.4 | 9.0827 | 1.6 | 4.7281 | 2.4 | 0.3116 | 1.8 | 0.73 | 1748.6 | 27.0 | 1772.2 | 20.2 | 1801.0 | 29.7 | 97.1 | Detrital zircon |
| OPP_0036R_92 | 44 | 1.8 | 12.0627 | 3.5 | 2.4975 | 4.1 | 0.2186 | 2.1 | 0.52 | 1274.5 | 24.3 | 1271.3 | 29.6 | 1266.9 | 68.3 | 100.6 | Detrital zircon |
| OPP_0036R_93 | 46 | 1.1 | 10.7296 | 2.5 | 3.1945 | 3.2 | 0.2487 | 2.0 | 0.63 | 1431.8 | 25.8 | 1455.8 | 24.6 | 1491.9 | 46.7 | 96.0 | Detrital zircon |
| OPP_0036R_94 | 101 | 1.0 | 9.2937 | 2.1 | 4.5718 | 3.0 | 0.3083 | 2.1 | 0.70 | 1732.3 | 32.0 | 1744.2 | 25.0 | 1759.1 | 39.1 | 98.5 | Detrital zircon |
| OPP_0036R_95 | 87 | 1.3 | 9.3897 | 2.2 | 4.3534 | 2.7 | 0.2966 | 1.6 | 0.59 | 1674.4 | 23.4 | 1703.5 | 22.1 | 1740.3 | 39.6 | 96.2 | Detrital zircon |
| OPP_0036R_96 | 92 | 1.6 | 11.8203 | 2.2 | 2.5791 | 3.0 | 0.2212 | 2.0 | 0.67 | 1288.2 | 23.8 | 1294.7 | 22.2 | 1306.4 | 43.6 | 98.6 | Detrital zircon |
| OPP_0036R_97 | 121 | 1.7 | 11.8483 | 2.4 | 2.5357 | 2.8 | 0.2180 | 1.5 | 0.53 | 1271.3 | 16.9 | 1282.4 | 20.3 | 1301.8 | 46.0 | 97.7 | Detrital zircon |
| OPP_0036R_98 | 97 | 1.8 | 8.7260 | 2.0 | 5.2752 | 2.6 | 0.3340 | 1.7 | 0.64 | 1857.7 | 27.1 | 1864.9 | 22.3 | 1873.6 | 36.2 | 99.2 | Detrital zircon |
| OPP_0036R_99 | 93 | 0.9 | 9.4518 | 2.2 | 4.1090 | 3.1 | 0.2818 | 2.2 | 0.72 | 1600.4 | 31.7 | 1656.1 | 25.5 | 1728.2 | 39.9 | 92.6 | Detrital zircon |
| OPP_0036R_100 | 291 | 1.9 | 9.2593 | 1.6 | 4.5025 | 2.2 | 0.3025 | 1.5 | 0.69 | 1703.7 | 22.3 | 1731.4 | 18.0 | 1765.9 | 28.8 | 96.5 | Detrital zircon |