

Table S2. Representative geochemical analyses of peridotites from Veria-Naousa and Gerania ophiolite (*: below detection limit).

| Rodingite Type | Serp. Harzburgite | | | Serp. Lherzolite | | Orthopyroxenite | | Lherzolite | | | | | | Serp. Lherzolite | Harzburgite | Dunit | Serp. Dunite | |
|---|-------------------|--------|--------|------------------|--------|-----------------|-------|------------|--------|--------|--------|--------|--------|------------------|-------------|--------|--------------|--------|
| | SV1 | SV2 | SV3 | SV4 | SV5 | SV6 | SV7 | SG1 | SG2 | SG3 | SG4 | SG5 | SG6 | SG7 | SG8 | SG9 | SG10 | SG11 |
| <i>Major elements (wt.%)</i> | | | | | | | | | | | | | | | | | | |
| SiO ₂ | 39.82 | 40.95 | 38.78 | 39.59 | 39.80 | 57.65 | 54.79 | 45.35 | 46.83 | 44.86 | 43.88 | 45.97 | 43.71 | 43.95 | 43.65 | 42.42 | 36.93 | 39.93 |
| TiO ₂ | * | * | * | 0.02 | * | 0.02 | 0.02 | 0.05 | 0.06 | 0.05 | 0.04 | 0.04 | 0.03 | 0.06 | 0.01 | 0.02 | * | * |
| Al ₂ O ₃ | 1.01 | 1.11 | 0.98 | 1.39 | 0.72 | 1.03 | 1.30 | 1.74 | 2.55 | 1.99 | 1.46 | 1.83 | 1.79 | 2.48 | 0.69 | 1.16 | 0.12 | 0.18 |
| Fe ₂ O ₃ ^t | 8.86 | 8.06 | 7.68 | 7.98 | 7.56 | 7.78 | 8.57 | 8.93 | 8.47 | 8.46 | 8.29 | 8.84 | 8.50 | 7.38 | 8.25 | 8.74 | 6.34 | 7.91 |
| MnO | 0.11 | 0.13 | 0.13 | 0.13 | 0.11 | 0.17 | 0.18 | 0.13 | 0.13 | 0.13 | 0.12 | 0.13 | 0.12 | 0.11 | 0.12 | 0.12 | 0.08 | 0.11 |
| MgO | 34.17 | 34.81 | 36.00 | 35.58 | 35.56 | 29.01 | 30.97 | 39.76 | 37.11 | 38.23 | 39.09 | 39.68 | 38.77 | 33.12 | 39.72 | 39.75 | 40.96 | 38.90 |
| CaO | 0.10 | 0.21 | 0.28 | 1.19 | 1.29 | 2.14 | 2.40 | 1.98 | 3.43 | 2.28 | 1.75 | 2.08 | 1.69 | 2.98 | 0.73 | 0.71 | 0.05 | 0.31 |
| Na ₂ O | * | * | * | * | * | 0.02 | * | 0.03 | 0.04 | 0.02 | 0.01 | 0.02 | 0.01 | 0.05 | * | 0.01 | 0.03 | * |
| K ₂ O | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| P ₂ O ₅ | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| LOI | 14.6 | 13.5 | 15.3 | 13.4 | 14.2 | 1.2 | 1.10 | 0.7 | 0.1 | 2.7 | 4.1 | 0.1 | 4.1 | 8.7 | 5.5 | 5.8 | 14.1 | 11.4 |
| Total | 98.67 | 98.77 | 99.15 | 99.28 | 99.24 | 99.02 | 99.33 | 99.32 | 99.36 | 99.34 | 99.33 | 99.34 | 99.34 | 99.44 | 99.32 | 99.32 | 99.32 | 99.35 |
| <i>Trace elements (ppm)</i> | | | | | | | | | | | | | | | | | | |
| Cr | 2963 | 2792 | 3010 | 2484 | 3045 | 2901 | 3147 | 2573 | 2839 | 2497 | 2504 | 2552 | 2607 | 2504 | 2750 | 2018 | 2812 | 2456 |
| Co | 91.1 | 102.8 | 113.1 | 106.0 | 101.9 | 66.4 | 69.8 | 103.4 | 93.2 | 105.5 | 99.7 | 103.5 | 102.6 | 89.7 | 104.3 | 107.2 | 106.6 | 104.2 |
| Ni | 2655.8 | 2481.3 | 2392.0 | 2093.1 | 2139.6 | 81.3 | 84.2 | 2285.7 | 1804.2 | 2079.4 | 2311.6 | 2209.6 | 2124.9 | 1853.3 | 2291.6 | 2265.0 | 2545.7 | 2292.6 |
| Cu | 12.9 | 7.5 | 5.5 | 31.0 | 7.3 | 3.9 | 5.4 | 15.9 | 35.3 | 20.1 | 24.5 | 21.9 | 16.0 | 34.8 | 8.1 | 0.9 | 0.9 | 1.8 |
| Zn | 8.0 | 26.0 | 31.0 | 22.0 | 32.0 | 6 | 5 | 20 | 11 | 16 | 19 | 19 | 13 | 21 | 25 | 20 | 28 | 22 |
| Rb | 0.4 | 0.4 | * | * | * | 1.7 | 1.4 | 0.1 | * | * | * | * | * | 0.1 | * | * | 0.8 | * |
| Sr | 2.0 | 0.7 | 1.8 | 2.1 | 0.90 | 4.2 | 2.6 | 0.8 | 0.7 | * | * | * | 0.50 | 2.3 | * | * | * | * |

| | | | | | | | | | | | | | | | | | | |
|----|------|------|------|------|------|------|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|
| Y | 0.9 | 0.3 | 0.2 | 0.6 | 0.1 | 0.3 | 0.2 | 1.1 | 2.2 | 1.5 | 1.0 | 1.3 | 1.0 | 1.7 | 0.2 | 1.0 | * | 0.3 |
| Zr | 0.1 | 0.1 | 0.5 | 3.3 | 0.3 | 0.5 | 0.4 | 4.3 | 2.0 | 3.0 | 7.4 | 2.3 | 0.8 | 0.4 | 2.4 | 2.1 | 0.9 | 2.3 |
| Nb | 0.3 | * | * | * | 0.80 | * | 2.1 | * | * | * | * | * | 0.6 | * | 0.2 | * | 1.4 | * |
| Pb | 21.7 | 4.6 | 1.6 | 2.8 | 1.6 | 1.5 | 0.2 | 0.3 | 0.2 | 0.4 | 0.2 | 0.6 | * | 0.1 | 0.5 | 0.6 | 0.2 | 0.3 |
| Ba | 1.0 | 3.0 | 2.0 | 5.0 | * | 3 | 2 | 5 | 5 | * | * | 1 | 2 | * | * | * | 1 | 2 |
| V | 60.0 | 33.0 | 54.0 | 61.0 | 49.0 | 92 | 132 | 67 | 96 | 74 | 56 | 60 | 54 | 78 | 85 | 40 | 13 | 41 |
| Sc | 11.0 | 11.0 | 14.0 | 12.0 | 14.0 | 21 | 29 | 11 | 16 | 12 | 9 | 12 | 11 | 14 | 9 | 8 | * | 5 |
| Ga | 3.1 | 3.3 | * | * | * | 1.3 | 0.6 | 1.4 | 1.0 | * | * | 0.6 | * | 1.9 | * | * | * | * |
| Hf | * | * | * | * | * | * | * | * | * | * | 0.2 | 0.1 | * | * | * | * | * | * |
| As | 7.2 | 1.10 | 1.50 | 2.30 | 0.90 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Hg | * | * | 0.02 | * | * | 0.02 | * | * | * | * | * | * | * | * | * | * | * | * |
| Ta | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0.2 |
| Th | 0.60 | 0.70 | 0.40 | 0.40 | 0.20 | * | * | * | * | * | * | * | * | * | * | 0.3 | * | * |
| U | 0.2 | 0.30 | 0.20 | 0.20 | 0.40 | * | * | * | * | * | 0.1 | 0.10 | * | * | 0.1 | * | * | * |
| Be | * | * | 1.00 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

REE (ppm)

| | | | | | | | | | | | | | | | | | | |
|----|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|-----|------|
| La | 0.2 | * | 0.70 | 3.70 | 0.40 | 0.7 | 0.4 | 5 | 1.3 | 1.4 | 1.3 | 0.6 | 0.4 | 0.2 | 1.2 | 4 | 0.8 | 1.6 |
| Ce | * | * | 0.20 | 0.80 | * | 0.3 | 0.2 | 5.6 | 0.9 | 1 | 0.9 | 0.4 | 0.4 | * | 0.5 | 4.8 | 0.5 | 0.9 |
| Pr | 0.04 | * | * | 0.03 | * | 0.03 | * | 0.65 | 0.09 | 0.13 | 0.09 | 0.04 | * | * | 0.04 | 0.62 | * | 0.08 |
| Nd | * | * | * | * | * | * | * | 2.3 | 0.3 | 0.4 | * | * | * | * | * | 2.2 | * | 0.4 |
| Sm | 0.07 | * | * | * | * | * | * | 0.23 | 0.06 | * | * | * | * | * | * | 0.13 | * | * |
| Eu | 0.02 | * | * | * | * | * | * | 0.02 | 0.05 | * | * | 0.02 | * | 0.05 | * | 0.03 | * | * |
| Gd | 0.09 | 0.07 | * | * | * | * | * | 0.2 | 0.16 | 0.17 | 0.09 | 0.12 | 0.07 | 0.11 | * | 0.12 | * | * |
| Tb | 0.01 | * | * | * | * | * | * | 0.03 | 0.04 | 0.02 | 0.01 | 0.02 | 0.02 | 0.03 | * | * | * | * |
| Dy | * | * | * | 0.12 | * | * | 0.1 | 0.2 | 0.27 | 0.2 | 0.15 | 0.17 | 0.13 | 0.29 | * | 0.07 | * | * |
| Ho | 0.02 | * | * | 0.02 | * | * | * | 0.04 | 0.09 | 0.07 | 0.04 | 0.04 | 0.03 | 0.08 | 0.02 | 0.02 | * | * |
| Er | 0.05 | * | 0.05 | 0.11 | * | 0.03 | 0.1 | 0.16 | 0.24 | 0.19 | 0.09 | 0.16 | 0.18 | 0.23 | 0.04 | 0.03 | * | * |

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|----|------|------|------|------|---|------|-----|------|------|------|------|------|------|------|---|------|---|---|
| Tm | 0.02 | * | * | 0.01 | * | * | * | 0.03 | 0.04 | 0.03 | 0.03 | 0.02 | 0.03 | 0.04 | * | * | * | * |
| Yb | 0.08 | 0.08 | 0.06 | 0.08 | * | 0.06 | 0.1 | 0.16 | 0.27 | 0.16 | 0.17 | 0.15 | 0.11 | 0.3 | * | 0.11 | * | * |
| Lu | 0.01 | 0.01 | * | 0.01 | * | 0.02 | 0.0 | 0.02 | 0.03 | 0.03 | 0.03 | 0.02 | 0.03 | 0.03 | * | 0.01 | * | * |