Table 5S. Compositions of PGE minerals from borehole **PH-243**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Depth | Formula | As | Fe | Ni | Pd | Pt | Rh | Sb | Sn | Pb | Total |
| 1 | 736.60 | Pd3.00Pb1.00 |  |  |  | 57.00 |  |  |  |  | 37.10 | 94.10 |
| 2 | 736.60 | (Pd1.25Ni0.75)2.00As1.00 | 28.80 |  | 17.00 | 51.20 |  |  |  |  |  | 97.00 |
| 3 | 736.60 | (Pt0.90Pd0.11)1.00As1.99 | 43.91 |  |  | 3.30 | 51.90 |  |  |  |  | 99.11 |
| 4 | 736.60 | Pt0.48(Fe0.50Ni0.02)0.52 |  | 19.00 | 0.70 |  | 62.87 |  |  |  |  | 82.57 |
| 5 | 773.50 | Pd4.99(Sb1.43As0.31Sn0.28)2.02 | 3.00 |  |  | 68.10 |  |  | 22.30 | 4.20 |  | 97.60 |
| 6 | 773.50 | (Ni0.95Pd0.05Rh0.03)1.03As0.95 | 52.42 |  | 40.70 | 4.20 |  | 2.40 |  |  |  | 99.72 |

Note. No. 1-4 – picritic g-d; 5,6 – olivine g-d.

1 – Zvyagintsevite Pd3Pb; 2 – Palladoarsenide Pd2As; 3- Sperrylite PtAs2; 4 – Tetraferroplatinum PtFe; 5 – Stibiopalladinite Pd5Sb2; 6 – Pd-bearing nickeline; 7 – Sobolevskite PdBi.