

Table 1 Two-way analysis of soil macrofauna biodiversity in different types and soil depths

| Variable factor | | Biodiversity index | SS | DF | MS | F-value | Sig. |
|-----------------|-----------|--------------------|-------|----|-------|---------|-------|
| Type | Abundance | Shannon - Wiener | 6.831 | 4 | 1.708 | 18.648 | 0.000 |
| | | Simpson | 0.998 | 4 | 0.249 | 10.762 | 0.000 |
| | | Margalef | 6.642 | 4 | 1.661 | 8.599 | 0.000 |
| | Biomass | Shannon - Wiener | 4.114 | 4 | 1.029 | 9.161 | 0.000 |
| | | Simpson | 1.288 | 4 | 0.322 | 7.431 | 0.000 |
| | | | | | | | |
| Depth | Abundance | Shannon - Wiener | 1.315 | 1 | 1.315 | 14.354 | 0.000 |
| | | Simpson | 0.115 | 1 | 0.115 | 4.948 | 0.032 |
| | | Margalef | 0.472 | 1 | 0.472 | 2.431 | 0.127 |
| | Biomass | Shannon - Wiener | 1.677 | 1 | 1.677 | 14.938 | 0.000 |
| | | Simpson | 0.386 | 1 | 0.386 | 8.896 | 0.005 |
| | | | | | | | |
| Type × Depth | Abundance | Shannon - Wiener | 0.456 | 4 | 0.114 | 1.244 | 0.308 |
| | | Simpson | 0.013 | 4 | 0.003 | 0.146 | 0.964 |
| | | Margalef | 0.456 | 4 | 0.114 | 0.588 | 0.673 |
| | Biomass | Shannon - Wiener | 0.933 | 4 | 0.248 | 2.211 | 0.085 |
| | | Simpson | 0.307 | 4 | 0.077 | 1.771 | 0.154 |
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