**Table 4**. Number of mollusc specimens in separate layers of the profile Michalok. Layer number related to Fig. 4. For ecological and biostratigraphic characteristics see Tab. 2

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | layers | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** |
|  | |  |  | 0-45 | 45-110 | 110-152 | 152-183 | 183-248 | 248-283 | 283-338 | 338-397 | 397-435 | 435-448 | 448-497 | 497-510 | 510-528 | 528-548 | 548-562 | 562-645 |
| Ecol. group | | Biostr. index | cal yr BP |  |  |  |  |  | 9,145 |  |  |  |  | 10,210 |  |  |  |  | 12,620 |
| A-d model age | 3,150 | 4,465 | 5,760 | 6,640 | 7,815 | 9,015 | 9,300 | 9,625 | 9,910 | 10,060 | 10,240 | 10,800 | 11,080 | 11,420 | 11,740 | 12,610 |
| mollusc species |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| A | 1 | ! | *Acanthinula aculeata* |  | 5 | 23 | 13 | 14 | 6 | 9 | 2 | 1 | 13 | 20 | 3 | 31 | 13 |  |  |
| ! | *Aeg. epipedostoma/nitens* | 34 | 52 | 117 | 89 | 98 | 123 | 59 | 18 | 41 | 74 | 147 | 29 | 63 | 46 | 9 | 12 |
| ! | *Aegopinella pura* | 6 | 6 | 28 | 11 | 5 | 2 | 1 |  | 6 |  | 1 | 19 | 222 | 59 | 1 |  |
| ! | *Bulgarica cana* |  |  | 1 |  |  |  |  |  |  | 1 |  | ?1 |  | ?1 |  | ?4 |
| ! | *Cochlodina laminata* | 1 | 2 | 5 | 3 | 5 | 2 | 2 |  |  | 1 | 1 | 1 |  | 3 |  |  |
| ! | *Cochlodina orthostoma* |  |  |  |  |  |  |  |  |  | 10 | 2 | ?1 |  | 1 |  |  |
| ! | *Daudebardia rufa* | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| !! | *Discus perspectivus* | 2 | 10 | 26 | 27 | 32 | 25 | 21 | 22 | 28 | 84 | 279 | 20 | 6 | 4 | 1 | 2 |
| (G) | *Discus ruderatus* |  |  |  |  | ?1 |  |  |  |  |  | 4 | 1 | 3 | 3 | 6 | 6 |
| ! | *Ena montana* |  |  |  |  |  |  |  |  |  |  | 9 |  | 3 | 9 | 7 | 12 |
| (!) | *Faustina faustina* |  | 1 | 1 | 1 | 1 | 1 | ?1 |  | 2 | 2 | 1 | 1 | 2 | 3 | 4 | 2 |
| ! | *Isog. isognomostomos* |  | 2 | 2 | 1 | 6 | 9 | 2 |  | 2 | 2 | 5 | 19 | 41 | 25 | 3 |  |
| ! | *Macrogastra latestriata* |  |  | ?1 |  | 1 |  |  |  |  |  |  |  |  |  |  |  |
| ! | *Merdigera obscura* | 1 | 3 |  | 2 | 3 | 1 | ?1 | ?1 |  |  |  |  |  |  |  |  |
| ! | *Monachoides incarnatus* |  |  |  |  |  |  |  |  |  | 2 |  | 15 |  |  | 7 |  |
| (G) | *Oxychilus depressus* |  |  |  |  | ?1 | 5 |  |  |  |  |  |  |  |  |  |  |
| ! | *Oxychilus deubeli* |  |  |  | ?2 |  |  |  |  |  |  |  | ?1 |  |  |  |  |
| ! | *Perforatella dibothrion* |  | 1 | 1 |  | 1 | 1 |  |  |  | 12 | 14 |  |  |  |  |  |
| ! | *Petasina bielzi* |  |  |  | 2 | 5 | 1 |  |  |  |  | 2 |  |  | 12 |  |  |
| ! | *Platyla polita* | 2 | 12 | 41 | 58 | 74 | 38 | 20 | 12 | 15 | 22 | 27 |  | 1 |  |  | 1 |
| ! | *Ruthenica filograna* | 1 | 39 | 49 | 21 | 31 | 17 | 4 | 3 | 14 | 23 | 2 |  |  | 1 |  |  |
| ! | *Sphyradium doliolum* | 2 | 9 | 24 | 20 | 16 | 7 | 3 | 4 | 6 | 9 | 17 | 7 | 117 | 40 | 3 |  |
| (!) | *Vertigo pusilla* |  |  | 3 | 8 | 4 | 2 |  | 3 | 4 | 2 | 17 | 3 | 3 | 4 | 2 |  |
| ! | *Vitrea diaphana* | 5 | 6 |  | 3 | 5 | 25 |  | 2 | 5 | 4 |  |  |  |  |  |  |
| ! | *Vitrea subrimata* |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ! | *Vitrea transsylvanica* | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | ! | *Alinda biplicata* | 3 |  | ?1 |  |  |  |  |  |  |  |  |  | ?2 |  |  |  |
| (+) | *Arianta arbustorum* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ! | *Discus rotundatus* |  | ?1 | 3 |  |  | ?4 |  |  |  | 2 | 1 |  |  |  |  |  |
| (G) | *Eucobresia diaphana* |  |  | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| (!) | *Fruticicola fruticum* | 4 | 5 | 9 | 10 | 18 | 8 |  | 3 | 4 | 7 | 33 | 24 | 95 | 71 | 33 | 51 |
| ! | *Helix pomatia* |  | ?1 |  |  |  | 1 | ?1 |  |  | 1 | 10 | 1 | 1 | 13 |  | 4 |
| (+) | *Vitrea crystallina* | 23 | 67 | 111 | 113 | 229 | 109 | 43 | 34 | 36 | 59 | 62 | 85 | 422 | 238 | 248 | 425 |
| 3 | (G) | *Clausilia pumila* |  |  |  |  |  |  |  |  |  |  |  |  | 3 |  |  |  |
| ! | *Macrogastra ventricosa* |  |  | 1 | 5 | 1 |  |  |  |  | 11 | 5 |  |  | 3 |  |  |
| (G) | *Monachoides vicinus* |  | 1 | 1 | 2 | 2 | 3 | 1 | 3 | 1 | ?1 | 24 |  | 15 | 19 | 14 | 20 |
| G | *Perforatella bidentata* |  | 2 |  | 1 | 3 | 1 |  | 2 | 4 |  | 2 | 10 | 19 | 53 | 62 | 99 |
| (+) | *Vestia turgida* | 7 | 16 | 18 | 27 | 43 | 51 | ?3 | ?1 | ?19 | 7 | 42 | 13 | 67 | 33 | 21 | 38 |
|  |  | (+) | *Chondrula tridens* | 1 | 1 |  |  |  |  |  |  | 1 | ?12 |  |  | 4 | 1 | 3 | 5 |
| (+) | *Pupilla triplicata* |  |  |  |  |  |  |  |  |  |  |  |  | ?1 |  |  | ?8 |
| 5 | ++ | *Columella columella* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| (!) | *Euomphalia strigella* | 1 | 3 | 1 | 2 | 1 | 2 | ?1 | 1 |  | 12 | 4 | 1 | 9 | 11 | 13 | 9 |
| + | *Pupilla muscorum* | 2 | 3 |  |  |  |  | ?6 | ?8 |  |  |  |  |  |  |  | ?2 |
| (!) | *Truncatellina cylindrica* | 1 | 21 | 10 | 26 | 48 | 19 | 21 | 13 | 14 | 15 | 4 | 3 | 2 | ?1 |  |  |
| (+) | *Vallonia costata* | 23 | 118 | 12 | 143 | 277 | 108 | 72 | 31 | 37 | 127 | 15 | 17 | 64 | 111 | 66 | 135 |
| G | *Vallonia pulchella* | 5 | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| (G) | *Vertigo pygmaea* | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 7 | (+) | *Clausilia dubia* | 1 | 1 | 2 | 4 | 7 | 2 | 1 | 1 | 5 | 5 | 47 | 5 | 14 | 22 | 1 | 4 |
| (+) | *Clausilia dubia ingenua* |  |  |  |  |  |  |  |  |  |  |  |  |  | ?4 |  |  |
|  | Clausiliidae | 6 | 22 | 25 | 42 | 53 | 26 | 30 | 14 | 23 | 19 | 77 | 26 | 26 | 11 | 3 | 2 |
| (+) | *Cochlicopa lubrica* | 3 | 7 | 5 | 13 | 8 | 3 | 9 | 8 | 8 | 15 | 7 | 3 | 11 | 28 | 37 | 29 |
| (+) | *Euconulus fulvus* |  |  |  |  |  |  |  |  |  |  |  | 1 | 2 | 2 | 14 | 28 |
| ! | *Laciniaria plicata* |  |  |  |  | 1 |  | 2 |  | 1 | 9 | 20 | 7 | 35 | 3 | 1 |  |
|  | Limacidae/Agriolimacidae |  | 1 |  | 3 | 8 | 1 | 2 |  |  |  | 1 |  | 2 |  | 1 | 3 |
| (+) | *Nesovitrea hammonis* |  |  |  | 1 |  |  |  |  | 1 |  |  |  |  |  |  | 4 |
| (+) | *Orcula dolium* |  |  |  |  | ?1 |  |  |  |  |  |  |  |  |  |  |  |
| (+) | *Plicuteria lubomirski* |  |  |  |  |  |  |  |  |  |  | 3 | 2 | 6 | 20 | 8 |  |
| (+) | *Punctum pygmaeum* | 2 | 1 | 1 | 2 | 8 |  | 1 |  |  | 8 | 11 | 6 | 7 | 2 | 13 | 11 |
| + | *Trochulus hispidus* |  |  |  |  |  |  |  |  |  | ?4 | ?2 | ?2 | ?1 |  | 7 | 32 |
| G | *Vertigo alpestris* |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |
| ! | *Vitrea contracta* | 8 | 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| (G) | *Vitrina pellucida* |  |  | 6 | 7 | 14 | 10 | 2 |  | 5 |  |  |  | 4 |  |  |  |
| 8 | ! | *Carychium tridentatum* | 30 | 122 | 265 | 311 | 212 | 166 | 186 | 92 | 135 | 231 | 407 | 156 | 581 | 37 | 100 | 147 |
| (!) | *Columella edentula* |  |  |  | 6 | 4 | 3 |  |  | 1 | 7 | 17 | 4 | 51 | 12 | 4 |  |
| (G) | *Nesovitrea petronella* |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5 | 1 |
| + | *Succinella oblonga* | 3 | 12 | 28 | 62 | 68 | 65 | 69 | 16 | 40 | 82 | 154 | 20 | 85 | 53 | 95 | 66 |
| ! | *Trochulus villosulus* |  |  |  |  |  |  | ?1 |  | ?4 |  |  |  |  |  |  |  |
| (G) | *Vertigo angustior* | 3 |  | 1 | 2 |  |  | 1 |  | 1 | 3 | 3 |  | 12 | 16 |  | 1 |
| (G) | *Vertigo substriata* |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 5 |
| D | 9 | G | *Carychium minimum* |  |  |  | 2 | 1 |  |  |  | 2 | 5 |  |  |  |  |  |  |
| (+) | *Zonitoides nitidus* |  |  | 2 | 3 | 9 | 1 |  |  | 2 |  | 1 |  |  |  |  |  |
| 10 | (G) | *Bythinella austriaca* | 15 | 18 | 13 | 6 |  |  |  |  |  |  |  |  |  |  |  |  |
| (+) | *Galba truncatula* | 2 | 3 | 9 | 6 | 5 | 2 | 2 | 4 | 3 | 8 | 31 | 9 | 33 | 6 | 11 | 3 |
| (+) | *Pisidium casertanum* |  |  | 2 | 2 |  |  |  | 3 |  | 15 | 7 | 6 | 16 | 2 | 4 |  |
|  | *Pisidium personatum* |  | 2 | 7 | 13 | 10 | 3 |  |  | 5 |  |  |  |  |  |  | 2 |
| Number of specimens | | | | 205 | 579 | 833 | 1061 | 1317 | 843 | 554 | 289 | 452 | 896 | 1516 | 514 | 2047 | 977 | 808 | 1161 |
| Number of species | | | | 32 | 35 | 36 | 40 | 38 | 35 | 23 | 21 | 31 | 35 | 41 | 30 | 36 | 36 | 34 | 31 |