**Table S1 Radiocarbon dates from core DIE-16, taken in 2016 from Diera Hollow, High Tatra Mountains, Slovakia. Results provided by Poznan radiocarbon laboratory. The 14C ages were calibrated with the IntCal13 curve (Reimer et al., 2013) within a Bayesian age-depth modelling routine ‘BACON’ (Blaauw and Christen, 2011), which modelled all age information, including the sediment surface, using a Student-t distribution that accounted for scatter and allowed statistical outliers.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sample depth (cm)** | **Lab code** | **Dated material** | **Measured C14 age (BP)** | **Calibrated age (yr BP)** | **Mean**  **(yr BP)** |
| 22-23 | Poz-91232 | Botanical macrofossils | 230 ± 30 | 278-94 | 164 |
| 43-44 | Poz-91233 | Botanical macrofossils | 335 ± 30 | 491-336 | 426 |
| 65-66 | Poz-91235 | Botanical macrofossils | 830 ± 30 | 894-688 | 772 |
| 87-88 | Poz-91236 | Botanical macrofossils | 1470 ± 30 | 1440-1280 | 1340 |