|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SED. UNITS** | **SEDIMENT** | **Organisms** | **Sedimentary structure** | **CaCO3 (Average %)** | **Organ. mat. (Average %)** |
| **UNIT IV.****Samples 4-1** | Silt and clay. Grey colour.  | Freshwater ostracods: *Darwinula stevensoni* (Brady & Robertson), *Pseudocandona* sp., *Pseudocandona* cf. *marchica*, *Paralimnocythere psammophila* (Flössner), charophytes oogonia (*Lamprothamnium papulosum* (Wallr.)). Bivalves. Foraminifera (*Ammonia tepida* (Cuhsman), authocthonous). Abundant freshwater gastropods (*Bithynia* sp., etc.). Very good conservation. | Rhizotubules | 79.8 | 9 |
| **SUBUNIT IIId.****Sample 5** | Silt and clay. Bioclastic sand. Beige colour | Freshwater, *Darwinula stevensoni* (Brady & Robertson), *Heterocypris* sp., *Paralimnocythere psammophila* (Flössner), *Candona* sp., *Bradleycypris obliqua* Brady, ostracods. Abundant charophytes thalos, oogonia (*Lamprothamnium papulosum* (Wallr.)). Gastropods (*Mercuria* sp., *Radix balthica*). Plant remains. Poor conservation. | Rhizotubules | 90.4 | 5.1 |
| **SUBUNIT IIIc.****Sample 6** | Peat. Black colour.  | Abundant freshwater ostracods: *Darwinula stevensoni* (Brady & Robertson), *Heterocypris* sp., *Paralimnocythere psammophila* (Flössner), *Candona* sp., *Bradleycypris obliqua* Brady. Abundant Charophytes thalos, oogonia (*Lamprothamnium papulosum* (Wallr.)). Bivalves. Plant remains. Abundant freshwater gastropods (*Bithynia* sp.) | Carbonate precipitation.  | 64.4 | 16 |
| **SUBUNIT IIIb.****Sample 7** | Silt and clay. Light brown colour. | Charophytes oogonia, thalos (*Lamprothamnium papulosum* (Wallr.)). Some fragments mollusc gastropods |  | 77.6 | 14.7 |
| **SUBUNIT IIIa. Samples 11-8** | Peat. Black colour.  | Freshwater ostracods: *Darwinula stevensoni* (Brady & Robertson), *Heterocypris* sp., *Paralimnocythere psammophila* (Flössner), *Candona* sp., *Bradleycypris obliqua* Brady, charophytes oogonia (*Lamprothamnium papulosum* (Wallr.)). Bivalves. Plant remains. |  | 44.3 | 18.6 |
| **UNIT II. Samples 16-12** | Silt and clay. Brown grey colour. Quartz, calcite sand.  | Fragments of freshwater molluscs (bivalves and gastropods). Some fragments charophytes. Plant remains at the bottom. | Rhizotubules | 52.6 | 3.74 |
| **UNIT I.****Samples 29-17** | Silt and clay, White colour.  | Some fragments charophytes oogonia and mollusc gastropods (mould). Poor conservation.Plant remains at the top. | Massive carbonate precipitation (size sand), especially to the top, with pebbles and gravels. Ferruginous concretions.  | 78.8 | 0.97 |