|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SED. UNITS** | **SEDIMENT** | **Organisms** | **Sedimentary structure** | **CaCO3 (Average %)** | **Organ. mat. (Average %)** |
| **UNIT IV.****Samples 7-1** | Silt, clay and Quartz and carbonate Sand. Grey colour.  | Freshwater ostracods: *Darwinula stevensoni* (Brady & Robertson), *Pseudocandona* sp., *Pseudocandona* cf. *marchica*, *Paralimnocythere psammophila* (Flössner), charophytes oogonia (*Lamprothamnium papulosum* (Wallr.)). Bivalves. Foraminifera authocthonous: *Ammonia tepida* (Cuhsman), *Elphidium excavatum* (Terquem). Abundant freshwater gastropods (*Bithynia* *tentaculata*. etc.). Very good conservation. | Rhizotubules. Oxides precipitation, lenticular gypsum and pyrite  | 72 | 9 |
| **SUBUNIT IIIg.****Sample 8** | Peat. Black colour. | Abundant Charophytes oogonia, thalos and mollusc gastropods (*Bytinia tentaculata*, etc.). Ostracode. | Rhizotubules | 55 | 21 |
| **SUBUNIT IIIf.****Sample 9** | Bioclastic sand, silt and clays. Light brown colour.  | Abundant Charophytes oogonia, thalos and mollusc gastropods (*Bytinia tentaculata*, etc.). Freshwater ostracods: *Darwinula stevensoni* (Brady & Robertson), *Heterocypris* sp., *Paralimnocythere psammophila* (Flössner), *Candona* sp., *Bradleycypris obliqua* Brady. |  | 54 | 10 |
| **SUBUNIT IIIe.****Sample 10** | Peat. Black colour. Bioclastic sand | Abundant Charophytes oogonia, thalos and mollusc gastropods (*Bytinia tentaculata*, etc.). Ostracode. | Rhizotubules | 59 | 15 |
| **SUBUNIT IIId.****Sample 14-11** | Silt, clay and bioclastic sand. Light brown colour | Abundant Charophytes oogonia, thalos and mollusc gastropods (*Bytinia tentaculata*, *Mercuria* sp., *Radix balthica* etc.). Freshwater ostracods: *Darwinula stevensoni* (Brady & Robertson), *Heterocypris* sp., *Paralimnocythere psammophila* (Flössner), *Candona* sp., *Bradleycypris obliqua* Brady. Plant remains |  | 85.3 | 7 |
| **SUBUNIT IIIc.****Sample 15** | Peat. Black colour.  | Some Charophytes |  | 49 | 23 |
| **SUBUNIT IIIb.****Sample 18-16** | Bioclastic sand, silt and clays. Light brown colour. Peat in the top. | Abundant Charophytes oogonia, thalos and mollusc gastropods (*Bytinia tentaculata*, *Radix blathica*, etc.). Freshwater ostracods: *Darwinula stevensoni* (Brady & Robertson), *Heterocypris* sp., *Paralimnocythere psammophila* (Flössner), *Candona* sp., *Bradleycypris obliqua* Brady. | Carbonate precipitation. Rhizotubules | 73 | 11.6 |
| **SUBUNIT IIIa. Samples 20-19** | Peat. Black colour.  | Plant remains. Some Charophytes oogonia and mollusc gastropods. |  | 67.5 | 15.5 |
| **UNIT II. Samples 25-21** | Carbonate sand and silt and clay. Peat at the bottom.  | Plant remains at the bottom. Abundant Charophytes oogonia and mollusc gastropods. | Massive carbonate precipitation (size sand). Rhizotubules. | 75 | 14 |
| **UNIT I.****Samples 26** | Silt and clay, White colour.  | Some fragments Charophytes oogonia and mollusc gastropods (mould). Plant remains at the bottom. | Massive carbonate precipitation (size sand), especially to the top. Ferruginous concretions.  | 98 | 5 |