

Table 1. Rock-stratigraphic and hydrogeologic units of the Maryland Coastal Plain (lower Eastern Shore).

[Fm, Formation]

| System | Series | Rock-stratigraphic units | Hydrogeologic units | |
|---|------------------------|--|---|---|
| Quaternary | Pleistocene | Parsonsbury Fm Sinepuxent Fm Ironshire Fm Omar Fm | Surficial aquifer (called the Columbia aquifer in Delaware and Eastern Shore of Maryland by some authors) | |
| Tertiary | Pliocene ? | Beaverdam Fm Pensauken Fm | Upper Chesapeake confining unit 1 | |
| | Miocene | Chesapeake Group | Eastover(?) Formation (in Maryland and Virginia) | Pocomoke aquifer |
| | | | Bethany Formation (in Delaware) | Upper Chesapeake confining unit 2 |
| | | | "Ocean City Beds" | Ocean City aquifer |
| | | | ↓ | Upper Chesapeake confining unit 3 |
| | | | Cat Hill Formation (in Delaware) | Manokin aquifer |
| | | | St. Marys Formation | St. Marys confining unit |
| | | | Choptank Formation | Choptank aquifer (Milford in Delaware) |
| | | | Calvert Formation | Lower Chesapeake confining unit |
| | | Calvert aquifer system Frederica, Federalsburg, and Cheswold aquifers (undifferentiated) | | |
| | Calvert confining unit | | | |
| | Oligocene(?) | Old Church(?) Formation | Piney Point aquifer | |
| | Eocene | Pamunkey Group | Chickahominy(?) Formation, Piney Point(?) Formation, and Nanjemoy Formation (undivided) | Nanjemoy confining unit |
| | Paleocene | | Aquia Formation Brightseat(?) Formation | |
| Cretaceous | Upper Cretaceous | | Monmouth(?) Formation | Severn confining unit |
| | | | Matawan Formation | Monmouth aquifer |
| | | | Magothy Formation | Matawan confining unit |
| | | | Raritan(?) Formation | Matawan aquifer |
| | | | | Matawan-Magothy confining unit |
| | Lower Cretaceous | Potomac Group | Elk Neck Beds | Magothy aquifer |
| | | | Patapsco Formation | Magothy-Patapsco confining unit |
| | | | | Upper Patapsco aquifer system |
| | | | | Patapsco confining unit |
| | | | | Lower Patapsco aquifer system |
| | Arundel Clay | Arundel Clay confining unit | | |
| | Patuxent Formation | Patuxent aquifer system | | |
| | Waste Gate Formation | Waste Gate aquifer system | | |
| Basement complex consisting of undifferentiated crystalline and sedimentary rocks ranging from Precambrian to Jurassic age | | | | |