

**Table 2. Rock-stratigraphic and hydrogeologic units of the Maryland Coastal Plain (western shore).**

| System   | Series                   | Rock-stratigraphic units   | Hydrogeologic units                    |                                 |
|--|--------------------------|--|--|---------------------------------|
| Quaternary   | Holocene and Pleistocene | Lowland deposits   | Minor local aquifer                    |                                 |
| Tertiary   | Pliocene(?)              | Upland deposits  | Surficial Upland aquifer               |                                 |
|  | Miocene                  | Chesapeake Group (Calvert, Choptank, and St. Marys Formations [undivided]) | Calvert aquifer system (minor aquifer) |                                 |
|  |                          |  | Calvert confining unit                 |                                 |
|  | Oligocene(?)             | Old Church(?) Formation  | Piney Point aquifer                    |                                 |
|  | Eocene                   | Pamunkey Group   |  | Piney Point Formation           |
|  |                          |  | Nanjemoy Formation                     | Nanjemoy confining unit         |
|  | ?                        | Marlboro Clay  | Marlboro Clay confining unit           |                                 |
|  | Paleocene                | Pamunkey Group   | Aquia Formation                        | Aquia aquifer                   |
| Brightseat Formation   |                          |  |  |                                 |
| Cretaceous   | Upper Cretaceous         | Severn Formation   | Matawan confining unit                 |                                 |
|  |                          | Matawan Formation  |  |                                 |
|  |                          | Magothy Formation  |  | Magothy aquifer                 |
|  | ?                        | Potomac Group  |  | Magothy-Patapsco confining unit |
|  |                          |  |  | Upper Patapsco aquifer system   |
|  |                          |  | Patapsco Formation                     | Patapsco confining unit         |
|  |                          |  |  | Lower Patapsco aquifer system   |
|  |                          |  | Arundel Clay                           | Arundel Clay confining unit     |
| Lower Cretaceous   | Potomac Group            | Patuxent Formation   | Patuxent aquifer system                |                                 |
| Basement complex consisting of undifferentiated crystalline and sedimentary rocks ranging from Precambrian to Jurassic age |                          |  |  |                                 |