

**Appendix G**  
**Riparian Buffer Pollutant Removal Efficiency in the Chesapeake Bay Watershed**

Region	Percent of Land Area	Percent Removal of Nitrogen	Percent Removal of Sediment and Phosphorus
Inner Coastal Plain	13	85	70
Outer Coastal Plain-well drained	1.5	40	75
Outer Coastal Plain-poorly drained	1.5	70	65
Tidal Influenced	1	25	75
Piedmont-schist/gneiss	15	60	60
Piedmont-sandstone/shales	8	70	70
Valley & Ridge-marble/limestone	12	45	50
Valley & Ridge-sandstone/shale/crystalline	20	55	65
Appalachian Plateau	28	60	60
Urban streams (>25% impervious)	12	25	50

Source: Lowrance, 1996