





## **Trees are Key**

Key to reversing the declining health of the Bay and providing clean water to Maryland's ever-increasing population is the protection and establishment of forest lands. A healthy forested watershed is no accident and needs management to maintain vigor in the face of invasive insects and diseases, whose spread is encouraged by the escalating fragmentation of land ownership and globalization of trade. To add to the problem, in many places deer populations have grown so large they are affecting current and future forests, as the animals prefer to browse on native hardwoods. And invasive weeds, unpalatable to native animals and insects, are growing in extent.

To maintain healthy forests, management to encourage young native trees and discourage invasive weeds is essential. Fortunately, trees are masters of multi-tasking, growing good timber at the same time they provide water and habitat. For the majority of Maryland forests that are in private ownership and subject to normal land management and property tax expenses, salable wood products help the lands pay their way. We count on the extensive public benefits provided by these woodlands, and need to support policies that help maintain both public and private forests in the landscape.

## **Protecting Reservoir Water Quality**

Recently, a number of Maryland Forest Service projects have focused on water quality protection in some of the State's more vital reservoirs. DNR recognizes that the highest water quality comes from both actively and passively managed forests, but also that management practices can emulate (but not necessarily duplicate) forest disturbances.

In 2001, a comprehensive plan was developed for Baltimore City's Liberty, Loch Raven and Prettyboy reservoirs. This plan focused on preventing erosion on shallow soils and the deep slopes around the reservoirs by planting trees and protecting regeneration, mitigating catastrophic insect damage by promoting diversity among tree species, and thinning densely-populated tree stands at risk to threats such as fire. Studies are currently underway in the same watersheds to determine the affects unregulated deer populations have on forest regeneration, and the fate of future reservoir forests.

Other efforts are now concentrating on reaching private forest owners in watersheds surrounding Maryland's drinking water reservoirs. Most municipalities own small belts of wooded land around reservoirs to provide direct protection to the drinking water supply, while the majority of the remaining watershed is under private ownership. Streams and channels running off these lands can bypass the protective forest belt and enter the reservoir, adding to the

need to mechanically or chemically remove impurities.

Case in point is the afore-mentioned Prettyboy watershed in northern Baltimore and Carroll Counties with a total acreage of 46,400 acres: Approximately 17,400 acres or 37 percent of the watershed is forested but of that, only about 5,400 acres are owned by Baltimore City. This represents just 12 percent of the total land area of the Prettyboy watershed. Clearly, providing private landowners voluntary and incentive-based forest management assistance to address diffuse water quality impairments should be a priority.

In the coming years, DNR will continue to target these private lands for the protection and improvement of our most precious, yet often unappreciated commodity – healthy water resources and the living resources that directly depend upon them. ❖

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## **Emerald Ash Borer**



he emerald ash borer (EAB) is a serious invasive insect that has been detected in Prince George's County. EAB feeds on and kills ash trees —

an important neighborhood and landscaping tree — one to three years after infestation. The Maryland Departments of Agriculture and Natural Resources have partnered to develop and implement an EAB



eradication plan. To assist in this effort and help control its spread, Maryland citizens and visitors are asked to strictly comply with an established quarantine that prohibits the transport of firewood from the infested area to any other area, AND to refrain from bringing firewood into Maryland from other states. If you suspect EAB infestation, please contact the Maryland Department of Agriculture at 410-841-5920. View the quarantine map and learn more at www.dnr.maryland.gov/dnrnews/infocus/emerald\_ash\_borer.asp

