Riparian Buffers

Riparian Buffer Metaphors

- Coffee Filter
- Tupperware
- Road Map, Pillow, oatmeal, monopoly house
- Umbrella
- Sunglasses and ice pack
- Sponge
- Soap
- Duct Tape

Riparian Buffer Benefits •Trap, filter and slow runoff Water recharge Take up an store excess nutrients •Provide food, cover and corridors (habitat) for wildlife Provide bank and in stream structure and stabilization (reduced turbidity) Shade for temperature control Reduce flooding General fix all

Streambank stabilization and Aquatic food web

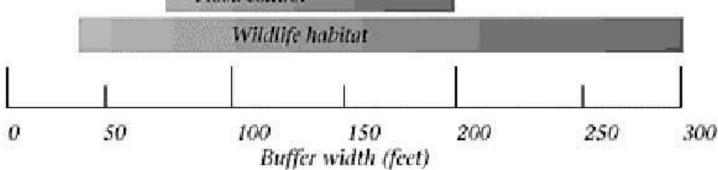
Water temperature moderation

Nutrient removal

Sediment control

Flood control

Source: U.S. Dept. of Agriculture and U.S. Environmental Protection Agency. 1997. Chesapeake Bay Riparian Forest Buffer Handbook: A Guide for Establishing and Maintaining Riparian Forest Buffers.



Invasive Plants









Invasive Plants

- Not native to North America
- Spread rapidly (roots, shoots, seed)
- Grow and mature quickly
- Not picky about conditions
- Exploiters and colonizers of disturbed ground
- Can change the entire character and function of an ecosystem

Restoring Buffers

- Remove the invasive
- Immediately replant with natives
- Monitor the site because natives take time to become established

• Start your restoration project upstream, upwind or uphill