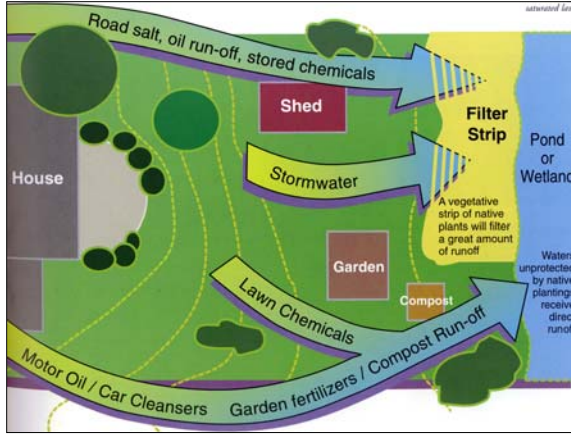


Stormwater Quality Wetland Concept



Stormwater that discharges directly to the river negatively affects its biology



BENEFITS OF WETLANDS

- Improves water quality prior to discharge into the river.
- Slows the water discharge, causing sediments to drop out and infiltration of water-recharging hydric soils and shallow aquifers.
- Plants respire water into the atmosphere, absorb chemicals, and provide important wildlife habitat.



Removing invasive reed canary grass and restoring a diversity of wetland plants improve water filtration and provide quality wildlife habitat.



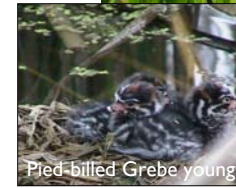
Clearing invasive buckthorn decreases evapotranspiration and improves the water flow and quality from fens and wetlands.



Minor grading helps retain stormwater for longer periods, allowing sediment deposition.



A plunge pool and vegetative basin provide a last-stage cleaning, filtering, and reduced discharge rate of stormwater.



Pied-billed Grebe young



Blanding's Turtle



Green Heron