



**Canopy and shade** - Cooler stream temperatures result from the shading created by grasses and a canopy of trees. Aquatic species, such as fish, need moderate water temperatures. Elevated water temperatures decrease available dissolved oxygen, further degrading water quality. The tree canopy also improves air quality by filtering out windblown sediment and air born pollutants caused by erosion, cars, construction, and farm machinery.

creatures (i.e., crustaceans, amphibians, insects, and small fish), which are critical to the aquatic food chain.



