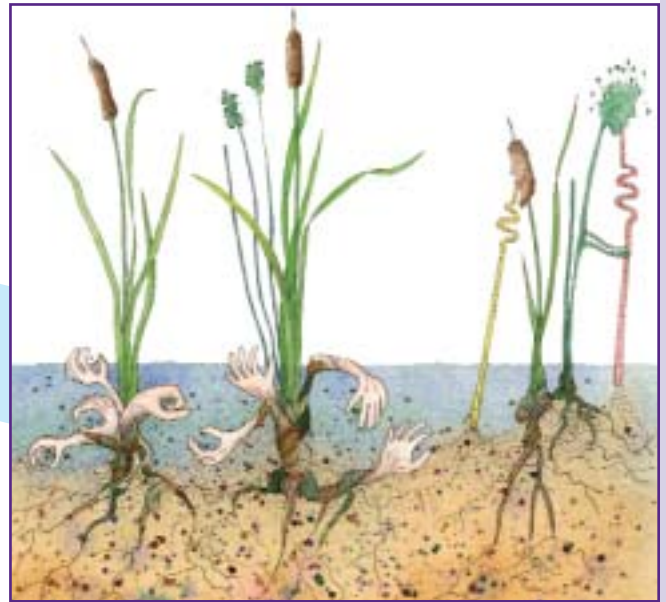


5. Filter & Buffer Water



- ◆ Reduce amount of contaminants, nutrients and pathogens reaching the water.
- ◆ Uptake and absorption of nutrients by riparian plants.
- ◆ Trap sediment, reduce water quality issues and enhance amount of vegetation to perform filtering and buffering function.



6. Reduce & Dissipate Energy



- ◆ Reduce water velocity, which slows erosion and sediment transport.
- ◆ Resist erosion and slow channel and shoreline movement.
- ◆ Aid in sediment capture.

7. Maintain Biodiversity

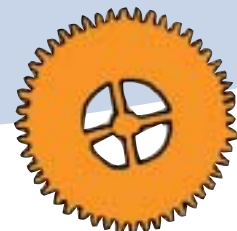


- ◆ Create and maintain habitats for fish, wildlife, invertebrates and plants.
- ◆ Connect other habitats to allow corridors for movement and dispersal.
- ◆ Maintain a high number of individuals and species.



8. Create Primary Productivity

- ◆ Vegetation diversity and age-class structure creates links to other riparian functions.
- ◆ High shelter and forage values.
- ◆ Enhance soil development .
- ◆ Capture and recycle nutrients.



These are the basic functions; read on to see how they translate into products, services and benefits.