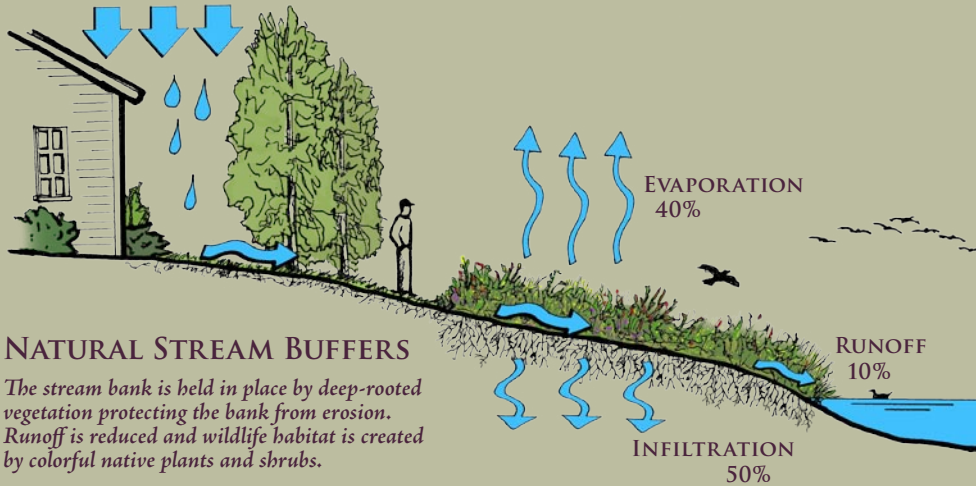


# RESTORATION IS IN THE BANK

Erosion along Valley Creek's bank is the primary culprit of changes to the creek's health. Sand, silt, and sediment are all enemies of clean water because they carry harmful contaminants and pollutants that affect the creek's ecosystem. Money is available to assist landowners along the creek who are willing to participate in Valley Creek's restoration. Some possible restoration projects are pictured here.



## NATURAL STREAM BUFFERS

The stream bank is held in place by deep-rooted vegetation protecting the bank from erosion. Runoff is reduced and wildlife habitat is created by colorful native plants and shrubs.



## CHANNEL SHAPING

Rock vanes, or small berms constructed of boulders, guide the flow of water toward the center of the creek away from the bank, thus preventing bank erosion.



## BANK STABILIZATION

Before and after photos along the Rum River in Minnesota, demonstrate the transformation of a severely eroded site to a stable river bank planted with beautiful native vegetation.



## BANK PROTECTION

Coconut fiber rolls protect the lower portion of the bank when channel flow undercuts the bank. This type of erosion is common along Valley Creek.

The coconut fiber roll also provides temporary bank protection so that vegetation can become established. This type of measure is best suited for sunny sites where channel velocity is relatively low.

Boulders, such as those pictured at far right, can also be used to protect a bank from undercutting.



## YOU CAN HELP

Funding is available through the Valley Branch Watershed District to restore Valley Creek.

To learn more, please call the district engineer at 952-832-2622.



VALLEY BRANCH  
WATERSHED  
DISTRICT