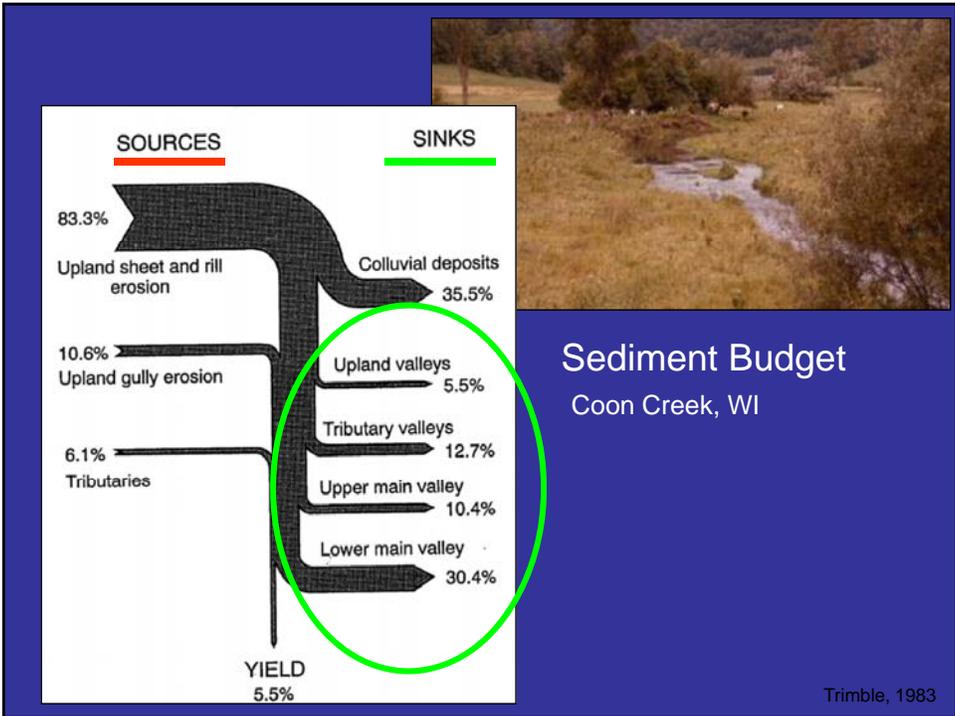
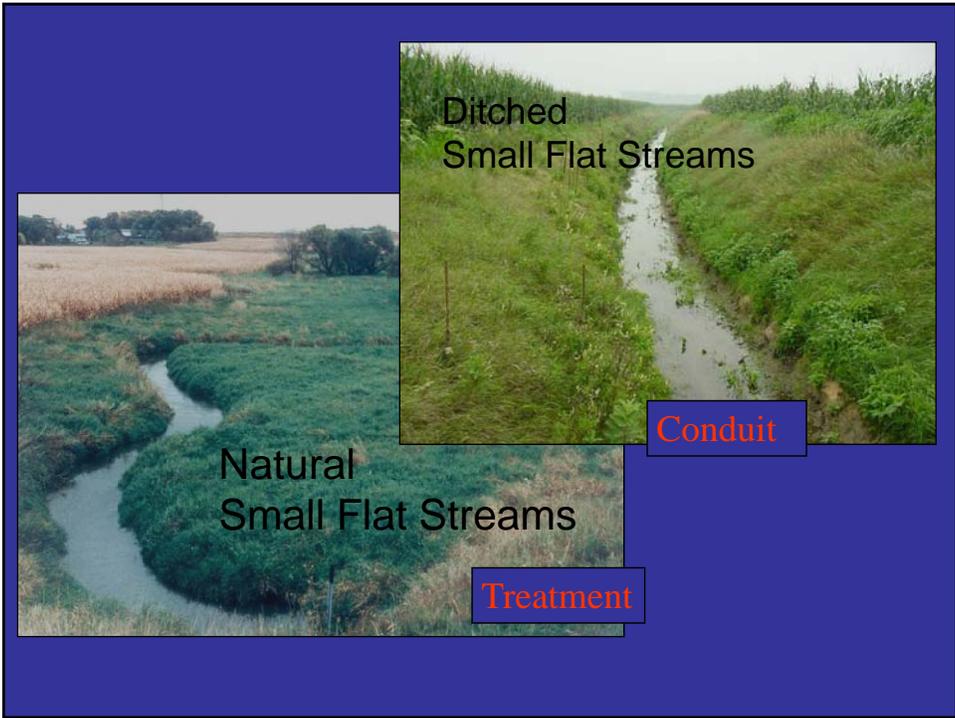
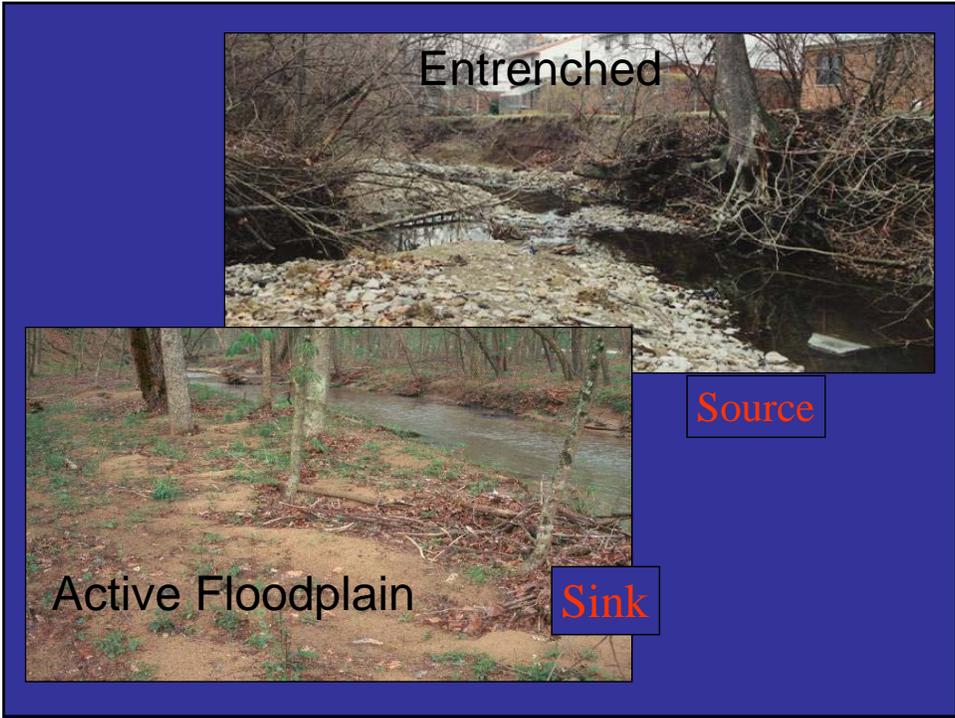




Stream Services and Channel Morphology

Dan Mecklenburg
Ecological Engineer,
Ohio Department of Natural Resources







Can Streams be Made to Work?



Constructed Stream
Defiance, Ohio



Limited not by form
but by composition

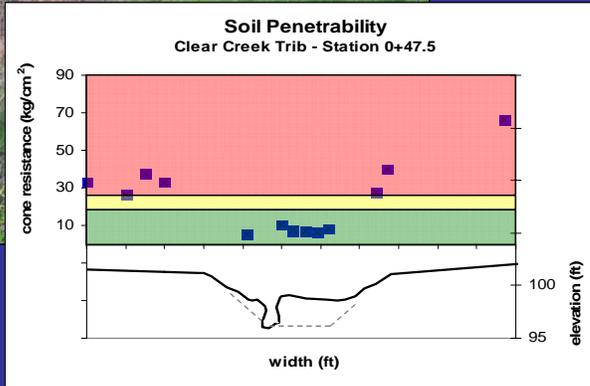
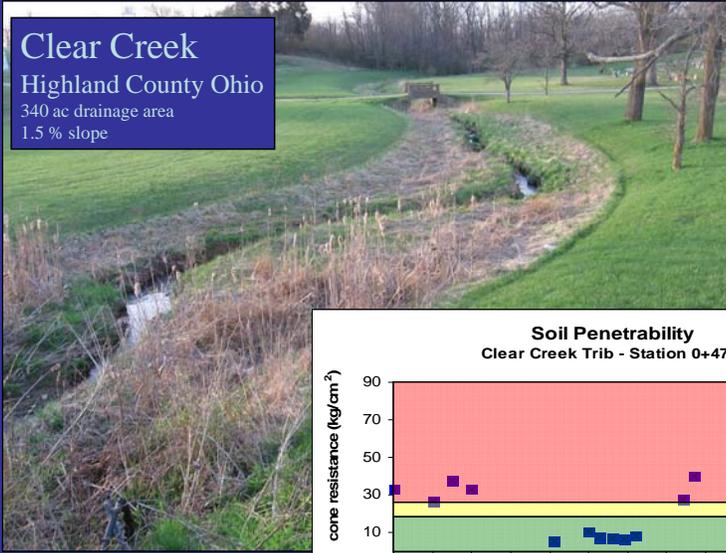
Allen County, Ohio



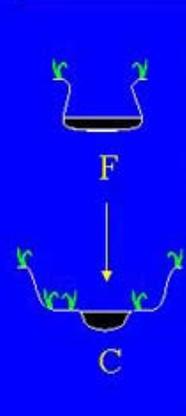
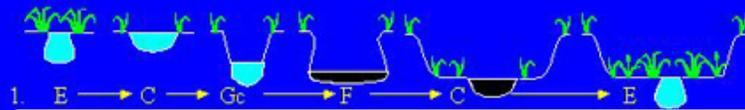
Two-stage Ditch
Wood County, Ohio



Clear Creek
 Highland County Ohio
 340 ac drainage area
 1.5 % slope



Channel Succession



Shawnee Run
 Newark, Ohio
 2.1 sq.m. drainage area
 0.65 % slope

Sources: Rosgen, USEPA, Mecklenburg



Big Walnut Tributary
Columbus, Ohio
0.45 sq.mi. drainage area
0.27% slope





The Nature Conservancy Michigan Chapter Fall Newsletter 2005

Crommer Drain
Hillsdale MI

Farmers & Drain Commissioners Agree

Two-Stage Ditch Improves Water Quality

of his water team. But an agri-

any incoming and excess water. By imitating the floodplain and main channel of a natural stream, the design will be more stable in the long-term, reducing the need for further dredging and other



Tippecanoe River Indiana
2 Stage Ditch Project: Improving the function of
Agriculture drainage ditches



Corather's Ditch

VanWert, Ohio
1.7 sq.mi. drainage area
0.11% slope



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