

Stream Management Techniques  
for  
Flood Reduction & Environmental Management

New York Department of Environmental Conservation  
Commissioner's Flood Summit

Presented by:

Vincent C. McDermott, FASLA, AICP

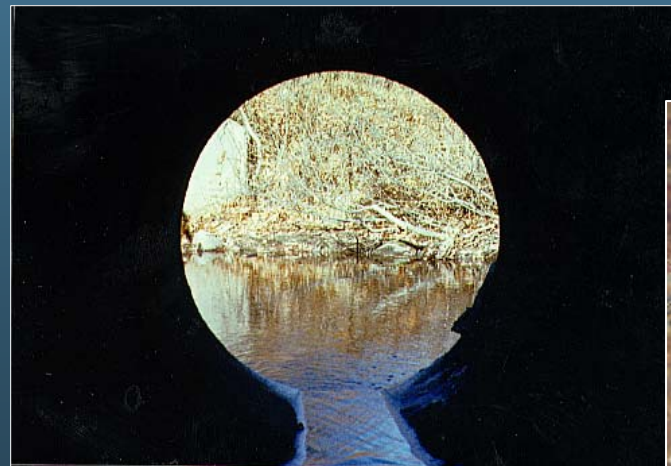


Milone & MacBroom, Inc.

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# TRADITIONAL FLOOD CONTROL METHODS

- Dredge
- Dike
- Dam
- Drains
- Divert
- Delay
- Disconnect



# ALTERNATIVE FLOOD CONTROL





**HYDROLOGY**



**ECOLOGY**



**HYDRAULICS**



**WATER  
QUALITY**



**FLUVIAL  
GEOMORPHOLOGY**

# ACTIVE RIPARIAN ZONE

- Thalweg
- Channel
- Channel Banks
- Riparian Wetlands
- Floodplains
- Terrace Scarps
- Terraces

