



Stream Topography Calculator (Road Ditch/Stream Assessment)

Date: 11/12/12 Sheet: 8 of 8 Lat: 42°11'30" Lon: 76°50'30"

Turnouts: 1.00m Interval: 0.50m Count: 0.50m

Direction Facing	Left Roadbank	Right Roadbank	Relationship to Stream
Slope of Road	Left Bank SLO	Right Bank SLO	Slope to Stream
Left Ditch Present	Left Ditch Present	Right Ditch Present	Distance to Stream
Depth of Ditch	Depth of Ditch	Depth of Ditch	Distance to Stream
Width of Ditch	Width of Ditch	Width of Ditch	Distance to Stream
Length of Ditch	Length of Ditch	Length of Ditch	Distance to Stream
Vegetation	Vegetation	Vegetation	Other Sources of Sediment
Bank Face Type	Bank Face Type	Bank Face Type	Stream Crossing
Stream Channel Present	Stream Channel Present	Stream Channel Present	Comments (255 Character Max)
Stream Channel Type	Stream Channel Type	Stream Channel Type	Stream Channel Type
Stream Channel Material	Stream Channel Material	Stream Channel Material	Stream Channel Material
Stream Channel Width	Stream Channel Width	Stream Channel Width	Stream Channel Width
Stream Channel Depth	Stream Channel Depth	Stream Channel Depth	Stream Channel Depth
Stream Channel Slope	Stream Channel Slope	Stream Channel Slope	Stream Channel Slope
Stream Channel Velocity	Stream Channel Velocity	Stream Channel Velocity	Stream Channel Velocity
Stream Channel Discharge	Stream Channel Discharge	Stream Channel Discharge	Stream Channel Discharge
Stream Channel Sediment Load	Stream Channel Sediment Load	Stream Channel Sediment Load	Stream Channel Sediment Load
Stream Channel Bank Stability	Stream Channel Bank Stability	Stream Channel Bank Stability	Stream Channel Bank Stability
Stream Channel Bank Erosion	Stream Channel Bank Erosion	Stream Channel Bank Erosion	Stream Channel Bank Erosion
Stream Channel Bank Collapse	Stream Channel Bank Collapse	Stream Channel Bank Collapse	Stream Channel Bank Collapse
Stream Channel Bank Failure	Stream Channel Bank Failure	Stream Channel Bank Failure	Stream Channel Bank Failure
Stream Channel Bank Sliding	Stream Channel Bank Sliding	Stream Channel Bank Sliding	Stream Channel Bank Sliding
Stream Channel Bank Toppling	Stream Channel Bank Toppling	Stream Channel Bank Toppling	Stream Channel Bank Toppling
Stream Channel Bank Overturning	Stream Channel Bank Overturning	Stream Channel Bank Overturning	Stream Channel Bank Overturning
Stream Channel Bank Lateral Spreading	Stream Channel Bank Lateral Spreading	Stream Channel Bank Lateral Spreading	Stream Channel Bank Lateral Spreading
Stream Channel Bank Differential Settlement	Stream Channel Bank Differential Settlement	Stream Channel Bank Differential Settlement	Stream Channel Bank Differential Settlement
Stream Channel Bank Foundation Failure	Stream Channel Bank Foundation Failure	Stream Channel Bank Foundation Failure	Stream Channel Bank Foundation Failure
Stream Channel Bank Slope Failure	Stream Channel Bank Slope Failure	Stream Channel Bank Slope Failure	Stream Channel Bank Slope Failure
Stream Channel Bank Toe Failure	Stream Channel Bank Toe Failure	Stream Channel Bank Toe Failure	Stream Channel Bank Toe Failure
Stream Channel Bank Crown Failure	Stream Channel Bank Crown Failure	Stream Channel Bank Crown Failure	Stream Channel Bank Crown Failure
Stream Channel Bank Head Failure	Stream Channel Bank Head Failure	Stream Channel Bank Head Failure	Stream Channel Bank Head Failure
Stream Channel Bank Base Failure	Stream Channel Bank Base Failure	Stream Channel Bank Base Failure	Stream Channel Bank Base Failure
Stream Channel Bank Side Failure	Stream Channel Bank Side Failure	Stream Channel Bank Side Failure	Stream Channel Bank Side Failure
Stream Channel Bank Back Failure	Stream Channel Bank Back Failure	Stream Channel Bank Back Failure	Stream Channel Bank Back Failure
Stream Channel Bank Front Failure	Stream Channel Bank Front Failure	Stream Channel Bank Front Failure	Stream Channel Bank Front Failure
Stream Channel Bank Bottom Failure	Stream Channel Bank Bottom Failure	Stream Channel Bank Bottom Failure	Stream Channel Bank Bottom Failure
Stream Channel Bank Top Failure	Stream Channel Bank Top Failure	Stream Channel Bank Top Failure	Stream Channel Bank Top Failure
Stream Channel Bank Left Failure	Stream Channel Bank Left Failure	Stream Channel Bank Left Failure	Stream Channel Bank Left Failure
Stream Channel Bank Right Failure	Stream Channel Bank Right Failure	Stream Channel Bank Right Failure	Stream Channel Bank Right Failure
Stream Channel Bank Overall Failure	Stream Channel Bank Overall Failure	Stream Channel Bank Overall Failure	Stream Channel Bank Overall Failure



Road Ditch and Roadbank Evaluations

The watersheds below highlighted in green have been, or are in the process of being assessed for the erosion status of their road ditches and banks. The data collection tool used is part of the ArcView Stream and Environmental Assessment Monitoring System (AVStrEAMS). The program allows the user to enter problem road segments based on digital aerial photography or topo-based maps. Erosion estimates are calculated based on NYS NRCS Field Office Tech Guide algorithms. Prioritization of sub-watersheds will be based on problem severity in conjunction with available funding. Below are examples of some of the more severe erosion sites.

