VEGETATED BUFFER STRIP CALCULATOR

This calculator determines the minimum width for a vegetated buffer strip based on the width of the Drainage Management Area (DMA).

Input cell =		User enters value
Default value =		User should only change value if able to provide explanation for adjustment
Calculation cell =		User should not change cell

CALCULATOR

Vegetated Buffer Strips - by DMA width

1	Width of contributing DMA	59	feet
2	Is the DMA width < 60 feet?	Yes	
3	**Minimum VBS Width**	**29.5**	feet

INSTRUCTIONS

Use steps 1 through 3 to determine the minimum width of the vegetated buffer strip to meet the treatment design requirements.

Step	
1	Enter the width of the contributing DMA, where width is measured in the direction of runoff from the DMA. The vegetated buffer strip (VBS) is located parallel to t extend the full length of the DMA. For instance, for a crowned roadway, the DMA width would be the distance from the centerline of the road to the edge of pave begins.
2	If the DMA width is greater than 60 feet, an additional treatment BMP must be used in conjunction with the VBS.
3	The minimum VBS width is calculated here, where width is measured in the direction of runoff. The VBS width should be greater than or equal to half the DMA w less than 15 feet.

DEFINITIONS

DMA Width	Width of the DMA in the direction of flow. The width extends from the upstream edge of the DMA to the boundary with the VBS.
VBS Width	Width of the vegetated buffer strip in the direction of flow. The width extends from the boundary with the DMA to the downstream