

Protect Sensitive and Special Value Features

Non-Structural Stormwater BMPs

This factsheet is part of our non-structural stormwater BMP series. To access this series and many other educational resources, please visit: spcwater.org.

Protect Sensitive and Special Value Features (PSSVF) is a non-structural best management practice (BMP) that protects areas with stormwater impact sensitivities as well as areas that hold important stormwater functional values. Areas with stormwater impact sensitivities include but are not limited to: steep slopes, historical and natural resources, and adjoining properties. Areas with special stormwater functional values include but are not limited to: floodplains, riparian areas, wetlands, woodlands, and natural flow pathways. Stormwater management functions of PSSVF include runoff volume reduction, groundwater recharge, peak runoff rate control, and protection and improvement of water quality. Benefits beyond stormwater management can include protection of open space and wildlife habitat, as well as the potential to increase property values and improve aesthetics.



Protecting areas with special stormwater functional values, such as wetlands (above left), woodlands (above right), and riparian areas is a highly effective tool for stormwater management.

Key Considerations of Protecting Sensitive and Special Value Features

- Disturbing areas with important stormwater functional values, such as floodplains, may double or triple the amount of site runoff
- Sensitive and special value features should be identified and mapped to guide the site design process
- Clustering (building on the smallest area possible) is an effective way to achieve the stormwater benefits associated with PSSVF, as well as reduce construction costs associated with land clearing, grading, sidewalks, utility infrastructure, etc.

BMP Profile

Name:

Protect Sensitive and Special Value Features

Type:

Non-Structural

Grouping:

Protect Sensitive and Special Value Resources

Stormwater

Management Benefits:

- Water Quality
- Volume Reduction
- Groundwater Recharge
- Peak Rate Control

Potential Applications:

- Residential
- Commercial
- Industrial
- Retrofit
- Highway/Road
- Ultra Urban



**For more information
please contact:**

Water Resource Center
(412) 391-5590
WRC@spcregion.org
www.spcwater.org