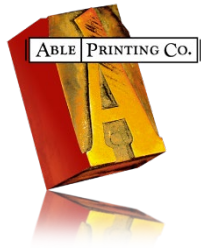


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Franklin Soil and Water
Conservation District

Creating Conservation Solutions for Over 70 Years

Central Ohio Stormwater Roundtable July 27, 2023

Restoring Stormwater Services in Compacted Urban Soils

Recording

The recording of the live event can be accessed through our YouTube Channel at: <https://youtu.be/R64n-EFdjFU>

Slides (pdf) 1 slide per page format

- Introduction: David Reutter
https://www.franklinswcd.org/data/doc_lib/1307/Roundtable%20%202023_Intro.pdf
- Presentation on Restoring Stormwater Services in Compacted Urban Soils: Stu Schwartz
Abstract for presentation: https://www.franklinswcd.org/data/doc_lib/1307/Schwartz_ABSTRACT.pdf
**Slides are provided for educational purposes but should not be used elsewhere without permission and citation.*
https://www.franklinswcd.org/data/doc_lib/1307/Schwartz_SLIDES.pdf

Speaker Contact Information

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Stuart S. Schwartz PhD, Senior Research Scientist

Center for Urban Environmental Research and Education (CUERE), University of Maryland Baltimore County (UMBC). | stu_schwartz@umbc.edu | 410-455-2748

Files/Documents/Website Links

- Widespread loss of intermediate soil horizons in urban landscapes
 - <https://www.pnas.org/doi/10.1073/pnas.1800305115>
- Analysing the impact of compaction of soil aggregates using X-ray microtomography and water flow simulations
 - <https://www.sciencedirect.com/science/article/abs/pii/S0167198715000392?via%3Dihub>
- Current OEPA Construction General Permit
 - <https://epa.ohio.gov/static/Portals/35/permits/OHC000006.pdf>
- Current Rainwater & Land Development Manual
 - <https://epa.ohio.gov/divisions-and-offices/surface-water/guides-manuals/rainwater-and-land-development>
- Chapter 2 include runoff reduction practices and credit info
 - https://www.franklinswcd.org/data/doc_lib/1272/Chapter%202_Runoff%20Reduction%20Practices.pdf
- The chapter that deals specifically with Soil Restoration
 - https://epa.ohio.gov/static/Portals/35/storm/technical_assistance/1.4_Soil_Restoration_Oct_21.pdf
- Appendix 9 covers adjusting hydrologic soil groups for construction

- https://epa.ohio.gov/static/Portals/35/storm/technical_assistance/2.A.5_Adjusting_HSG_for_Construction_2012.pdf
- Technical memo about applying runoff reduction credits in Big Darby
 - https://epa.ohio.gov/static/Portals/35/storm/TechMemo_RRM_Darby_GWRecharge.pdf?ver=2019-10-22-122441-130
- Runoff Reduction Spreadsheet
 - <https://epa.ohio.gov/static/Portals/35/storm/Ohio+RRM+spreadsheet+v1.1+2018-10-31.xlsx>
- Big Darby Watershed Groundwater Recharge Calculator
 - <https://epa.ohio.gov/static/Portals/35/permits/Darby-Groundwater-Recharge-Calculator.xlsx>

Upcoming Events

- **CWP Webcast 7: Stormwater Standards in the US (In-person Viewing)**
 - [Click here](#) to learn more about the remaining lineup and options for viewing.
- **Third Central Ohio Stormwater Roundtable | September 28, 2023**
 - More details will be available soon for this roundtable, but we hope to build on our first two by discussing implementation challenges and successes. [Register Now](#)
- **Stormwater Awareness Week | October 1-7, 2023**
 - <https://www.franklinswcd.org/stormwater-week>
 - <https://www.ohiostormwaterweek.org>