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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%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

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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_on_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>