In Depth Carlson Hydrology with Travis Maxwell 2-3 Recorded 09/14/2022

This final session of the In-Depth Carlson Hydrology training series covers advanced hydrology modeling techniques using Carlson Hydrology and HydroNET. The instructor demonstrates stream delineation, stage-storage modeling, chamber design, and integration with HydroCAD for comprehensive stormwater management workflows.

Key Topics:

- StreamStats and drainage area delineation
- Stage-storage and chamber modeling in HydroNET
- Integration with HydroCAD for detention system design
- Table-based calculations and regression analysis
- Wet pond grading and detention pond detailing

Descriptions, transcripts and other details of this recording have been AI-generated and may contain errors.

This session was presented by Travis Maxwell on 09/14/2022.

In Depth Carlson Hydrology with Travis Maxwell 2-2

Recorded 09/14/2022

This session is part of the In-Depth Carlson Hydrology training series, focusing on advanced hydrology design workflows in Carls on Civil and Hydrology. The instructor demonstrates practical to ols for surface modeling, watershed analysis, detention pond des ign, and HydroNet modeling.

Key Topics:

- Linear and path arrays in Carlson CAD
- Importing and refining Google surfaces
- Watershed and runoff tracking analysis
- Creating detention ponds and HydroNet modeling
- Stage-storage and stage-discharge design with risers, orif ices, and spillways

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This session was presented by Travis Maxwell on 09/14/2022.

In Depth Carlson Hydrology with Travis Maxwell 2-1 Recorded 09/14/2022

This session continues the in-depth Carlson Hydrology training, focusing on collection systems , utility networks, and HydroNet detention modeling. Travis demo nstrates advanced workflows for managing project files, creating

profiles, checking crossings, and setting up hydrologic models in Carlson Civil and Hydrology.

Key Topics:

- Carlson Hydrology collection system and utility network management
- Crossings, parallel pipes, and clearance checks
- HydroNet setup, detention design, and hydrograph generation

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This session was presented by Travis Maxwell on 09/07/2022.

In Depth Carlson Hydrology with Travis Maxwell 1-3 Recorded 09/07/2022

This session continues the in-depth Carlson Hydrology training with a focus on storm sewer network modeling, watershed delineation, and hydraulic grade line analysis. Instructor Travis Maxwell demonstrates practical workflows for drainage area setup, pipe sizing, spread analysis, and custom symbol management within Carlson Civil software.

Key Topics:

- Watershed delineation and drainage area setup
- Sewer network modeling and hydraulic grade line (HGL) anal

ysis
- Pipe slope adjustments and capacity troubleshooting
- Spread and ponding depth calculations
- Custom symbol creation and management in Carlson

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This session was presented by Travis Maxwell on 09/07/2022.

In Depth Carlson Hydrology with Travis Maxwell 1-2 Recorded 09/07/2022

This in-depth Carlson Hydrology training session focuses on converting Civil 3D data, building terrain surfaces, and designing stormwater networks using Carlson software. The webinar demonstrates practical workflows for integrating utilities, creating ponds, and managing storm drainage systems efficiently.

Key Topics:

- Converting Civil 3D data for Carlson use
- Building and merging terrain surfaces
- Creating and editing stormwater networks
- Managing utilities and pipe crossings
- Setting up ponds and drainage areas

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This session was presented by Travis Maxwell on 09/07/2022.

In Depth Carlson Hydrology with Travis Maxwell 1-1 Recorded 09/07/2022

This webinar provides a comprehensive introduction to Carlson Hydrology, led by veteran engineer Travis, focusing on setup, workflows, and best practices for stormwater modeling and design. Attendees learn how to configure libraries, manage sewer networks, and apply hydrologic methods such as SCS and Rational within Carlson Software.

Key Topics:

- Carlson Hydrology module overview and setup
- Sewer and storm network configuration
- Use of SCS and Rational methods for runoff and detention
- Inlet libraries, rainfall data, and HydroNet integration
- Best practices for file management and dynamic modeling

Descriptions, transcripts and other details of this recording have been AI-generated and may contain errors.

This session was presented by Travis Maxwell on 11/07/2024.