

# **2022 Virtual Workshops 2-1 – Introduction to Carlson Recorded 11/17/2022**

This virtual workshop introduces participants to Carlson Software 2023, focusing on setup, configuration, and best practices for new users. The session covers installation, interface customization, project folder organization, and annotation standards within Carlson Survey and IntelliCAD environments.

## **Key Topics:**

- Carlson 2023 installation and version updates
- Interface setup and configuration (menus, ribbons, toolbars)
- Managing projects, data folders, and settings
- Understanding Carlson vs. CAD commands
- Annotation, text scaling, and drawing setup

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

This session was presented by Jennifer DiBona on 11/17/2022.

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## **Customizing Carlson to Increase Productivity 1-3**

# **Recorded 10/12/2022**

This follow-up training with Travis explores advanced customization techniques in Carlson Software to improve drafting efficiency and project management. The session covers tool palettes, macros, sheet sets, and automation using LISP and scripts for consistent CAD standards.

## **Key Topics:**

- Loading and managing tool palettes
- Custom macros and layer management
- Sheet set setup and automation
- Using LISP and scripts for project data and layer overrides
- Best practices for legends, templates, and title blocks

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This session was presented by Travis Maxwell on 10/12/2022.

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# **Customizing Carlson to Increase Productivity 1-2 Recorded 10/12/2022**

This webinar continues the “Customizing Carlson to Increase Productivity” series, focusing on advanced customization of Carlson Software through tool palettes, scripts, blocks, and CAD standards. Presenter Travis demonstrates how to automate repetitive dra

fting tasks, standardize project templates, and improve efficiency across teams using Carlson and IntelliCAD.

### **Key Topics:**

- Tool palette setup and automation
- Creating and managing blocks, layers, and line types
- Using scripts, Lisp files, and Excel integration
- Template and legend standardization
- Viewport color overrides and CAD standards consistency

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This session was presented by Travis Maxwell on 10/12/2022.

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# **Customizing Carlson to Increase Productivity 1-1 Recorded 10/12/2022**

This training session, led by Travis and hosted by That CAD Girl, demonstrates how to customize Carlson Software to improve drafting and design productivity. The session covers interface setup, tool palettes, macros, fonts, and workflow optimization for CAD professionals.

### **Key Topics:**

- Carlson Software interface customization
- Toolbars, ribbons, and workspaces
- Tool palettes and macros

- Font and layer management
- Project setup, templates, and automation

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This session was presented by Travis Maxwell on 10/12/2022.

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# **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

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

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# **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 Carlson Civil and Hydrology. The instructor demonstrates practical tools for surface modeling, watershed analysis, detention pond design, 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, orifices, and spillways

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

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# **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 demonstrates 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.

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# **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) analysis
- 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.

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# 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

r 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.

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# **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

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