Customizing Carlson for Erosion Control Permitting and Design:
Session #2-2

A Virtual Classroom Using Carlson Software – Analyze Erosion Control Surfaces and Watersheds

This training session, led by Travis Maxwell, demonstrates advanced customization of Carlson Civil software for erosion control design, permitting and hydrology workflows. The session covers watershed analysis, surface modeling, pond design, stormwater network setup and sediment basin sizing techniques.

Key Topics:

- Watershed analysis and surface preparation
- Time of concentration and runoff calculations
- Sediment basin and pond design using Carlson tools
- Storm Net setup and drainage network modeling
- Integration of hydrology and surface data for erosion control

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

This session was presented by Travis Maxwell on 09/21/2023.

Customizing Carlson for Erosion Control Permitting and Design:
Session #2-1

A Virtual Classroom Using Carlson Software – Prepare Erosion Control Base Maps and CAD Standards

This webinar session, led by Travis and moderated by Jennifer, continues training on customizing Carlson Civil Suite for erosion control design. The presentation demonstrates workspace customization, creating line types, setting up base maps and using GIS and hydrology tools to streamline erosion control workflows.

Key Topics:

- Customizing Carlson Civil Suite workspace and menus
- Creating and managing custom line types and layers
- Building erosion control templates and legends
- Integrating GIS data and base maps
- Setting up sheet sets and map templates

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This session was presented by Travis Maxwell on 09/21/2023.

Customizing Carlson for Erosion Control Permitting and Design:
Session #1-3

A Virtual Classroom Using Carlson Software – Build Standardized Erosion Control Notes and Templates

This training session covers advanced Carlson CAD workflows for erosion control and survey cleanup, including Excel-driven macros, layer translation and automation using scripts and tool palettes. Participants learn how to streamline project setup, manage templates and integrate GIS and public data into CAD workflows.

Key Topics:

- Automating CAD notes and blocks using Excel and scripts
- Cleaning and translating survey layers
- Setting up templates, legends and tool palettes
- Integrating GIS data and public map services
- Handling PDFs, symbols and block libraries

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This session was presented by Travis Maxwell on 09/19/2023.

Customizing Carlson for Erosion Control Permitting and Design:
Session #1-1

A Virtual Classroom Using Carlson Software – Customize Erosion Control Plan Production

This webinar introduces advanced customization techniques for Carlson Software's user interface, focusing on erosion control, permitting and design workflows. Travis demonstrates how to modify menus, toolbars and workspaces in IntelliCAD to streamline productivity for civil and environmental design professionals.

Key Topics:

- Customizing Carlson's user interface (CUI)
- Creating and managing workspaces
- Combining modules (Civil, Hydrology, GIS, Survey)
- Editing menus, toolbars and tool palettes
- Workflow optimization for erosion control design

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This session was presented by Travis Maxwell on 09/19/2023.

Tips & Tricks in CAD and Carlson Software

A Virtual Webinar Using Carlson Software – Learn to Improve Drafting Workflows

This webinar, hosted by That CAD Girl, provided an in-depth look at practical tips and tricks for using CAD and Carlson Software effectively. Topics included line types, polylines, wipeouts, text masks, symbol libraries and 3D polyline utilities for improved drafting and design workflows.

Key Topics:

- Creating and customizing line types in CAD and Carlson
- Using wipeouts and text masks for clean annotations
- Managing and importing symbol libraries
- Advanced polyline and 3D modeling techniques
- Offsetting and daylighting with 3D polylines

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This session was presented by Jennifer DiBona on 03/20/2024.

The Ultimate Drawing Template

A Virtual Webinar Using CAD – Learn to Build the Ultimate Drawing Template

This webinar, led by Travis Maxwell and hosted by That CAD Girl, provides a comprehensive walkthrough of creating, cleaning and optimizing CAD drawing templates in Carlson Software. It covers best practices for fields, attributes, layers, fonts and scaling to ensure consistency and efficiency across projects.

Although Carlson Software with IntelliCAD was used in this session and a few Carlson-specific commands are shown, the workflows are by and large the same for all AutoCAD or IntelliCAD based programs, and other programs will likely have their own version of those Carlson commands.

Key Topics:

- Building and maintaining CAD drawing templates
- Using fields and block attributes for automation
- Managing fonts, layers and line types
- Cleaning drawings with purge commands
- Implementing National CAD Standards

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This session was presented by Travis Maxwell on 08/08/2024.

Understanding Changes to Projections and Zones in Carlson 2024

A Virtual Webinar Using Carlson Software – Learn to Manage Projection Zones

This webinar, hosted by That CAD Girl and presented by Carlson Software's Doug Aaberg, explains the updates to projection and zone settings introduced in Carlson 2024. It clarifies the purpose of new projection options and how surveyors should manage grid-to-ground workflows.

Key Topics:

- Changes to projection and datum settings in Carlson 2024
- Understanding NAD83 realizations and EPSG codes
- Lat/Long transformation toggle and its implications
- Backward compatibility and upgrade recommendations
- Future improvements planned for Carlson 2025

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This session was presented by Doug Aaberg on 03/21/2024.

SurvNet Least Squares In Carlson Software

This recorded webinar provides a detailed overview of Carlson SurvNET’s Least Squares Adjustment tools, presented by surveyor and software developer Donnie Stallings. The session covers the theory behind least squares, processing total station and GPS data and reading adjustment reports.

SurvNet Least Squares – Working with Project Datasets

This webinar, led by Donnie Stallings, explored advanced surveying workflows in Carlson SurvNET least squares. The session covered local coordinate systems, EDM calibration, blunder detection and ALTA/NSPS survey accuracy testing.

Survey Project from Field to

Plotted Sheet

A Virtual Webinar Using Carlson Software – Learn to Complete Survey Projects

This webinar provides a complete walkthrough of creating a survey project in Carlson Software—from importing field data and processing coordinates to producing a finished plotted sheet. It covers best practices for point management, deed entry, alignment, field-to-finish automation and sheet layout setup.

Key Topics:

- Carlson Survey project setup and configuration
- Importing and managing point data (CRD files, point groups)
- Entering and editing deed descriptions
- Deed correlation and alignment with field data
- Field-to-Finish drawing automation
- Creating legends, north arrows and title blocks for plotted sheets

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

This session was presented by Jennifer DiBona on 01/16/2024.