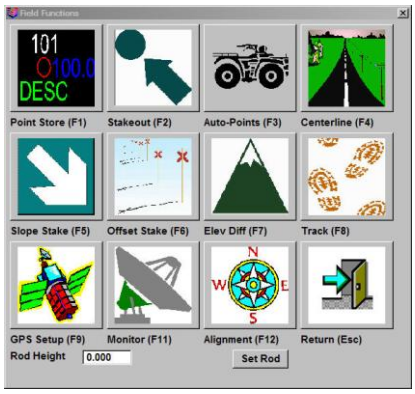
TIPS
Technical Innovation
and Professional
Services



Carlson Mining's Field Module

Carlson Field, formerly called Tsunami, is a module of the Carlson Mining Suite. It provides a tool for real-time kinematic (RTK) GPS and total station data collection directly in AutoCAD.

Mobile Computing with CAD Drawing Files:
Integrates GPS tools into the CAD interface, allowing staff to take .dwg files into the field using tablet PCs with GPS antennae. With this module, you can see what you are collecting, zoom in and out, or pan. You can perform both basic COGO operations and high-level CAD operations. You can also stakeout locations in the field from designs created in the office.

Features:

- Full data collection inside CAD – reads/writes native .dwg format.
- Plots points and linework directly into the CAD drawing. See your points and linework as you data collect.
- Field-to-finish is completed in the field.
- Stakeout by point, station and offset, or road template.
- Works with all major brands of total stations and GPS equipment.
- Ability to place text on your drawing and contour in the field to verify that you have taken enough points.
- Allows users to hold a map or satellite image in front of them while in the field and see their exact location interactively in real time through a GPS receiver.
- Used for real-time interactive mapping in the field – CAD drawing entities can be added to maps, satellite, or aerial images at the site location

SOFTWARE:
Carlson Mining/Civil Suite

SMCRA BENEFITS/USES:

- Data Collection on AML or Bond Forfeiture sites for later design work.
  - RTK surveys
  - Mobile Computing
- Monitor construction jobs using original design drawing files.
- Evaluate completed reclamation.

TIPS TRAINING CLASSES:
CAD301: Carlson Mining; Field, Hydrology, and Natural Regrade for Permitting and Reclamation

NEED HELP ????
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