

# Veta 5.0 Release Notes

## Installation

- Microsoft .NET 4.6.2 is required.
- Windows 7 SP 1 is the minimum supported operating system.
- Veta 5.0 can be installed on the same machine as previous versions.
- Veta 5.0 can open projects created in previous versions, but not vice-versa.

## 5.0.51

### Import

- Fixed: UTM zone was sometimes detected incorrectly.
- Fixed: Veta downloading of Topcon data. This issue was found during testing and has not been reported in practice. This could happen in two scenarios:
  1. Downloads of Topcon data are occurring in multiple copies of Veta and the date ranges overlap. This can result in the wrong data being used for a project, but should be apparent upon review.
  2. Topcon data is downloaded for a site. Without closing the download window, the site is changed and data is downloaded again. Veta will not download the data for the new site.
- Change: EPSG codes for all OCRS zones are now recognized. Codes for the new zones did not exist until recently.

## 5.0.49

### Import

- Fixed: PLN and PLNS files could not be added to an existing Topcon project. These files can be produced by both Sakai and Topcon.

### Misc

- Fixed: The Default project path in Options could not be changed.

### Analysis

- Fixed: The analysis might show measurement types that were not available in the project.

## 5.0

All existing projects will be reprocessed. Ensure you have a backup of your projects.

### Import

- New: MOBA Thermal data and Topcon raw data can now be downloaded directly from Veta instead of exporting from the respective web sites or software.

- Change: The processing of raw IC data has changed. Files from BOMAG and SiteVision Office were previously the only raw data recognized by Veta.
- Change: The processing of all passes data has changed. Passes will be now recounted and final coverage will be different in some cases. The maximum pass count is limited to 20. Areas with more than 20 passes will be marked as having 20 passes.
- Fix: Projects may have been limited to 100 files.

## Map

- Fix: At most zoom levels, the data was not always drawn correctly. This was mostly an issue on the edges of IC data.

## Filters

- New: Added cold central plant recycling (CCPR) as a material for the MnDOT template.
- Fix: ICMV filters without a unit were not filtered correctly.

## Sublots

- Fix: Changing the start or stop locations without using the map did not clear the sublots.

## Analysis

- New: Added feature to allow choosing of what items to analyze.
- New: Cumulative specification is now listed in on screen (lower-left) for easy reference.
- New: Added table of paver stops.
- Change: Specifications and setup have been rearranged.
- Change: Calculation for transverse semivariogram index (TSI) has been changed.
- Fix: Speed was missing from sublots analyses.
- Fix: Analysis would sometimes crash if an operation filter in a filter group did not match any data.
- Fix: Specification values did not allow negative numbers.
- Fix: Transverse semivariogram acceptance was included in results even if not selected.
- Fix: Software would crash if the current filter group is deleted while viewing analysis results.
- Fix: Software might crash when analyzing the differentials for thermal profile sublots if there was not enough data in the subplot.
- Fix: Software might crash if an analysis failed.
- Fix: ICMV's without a unit would always report an acceptance of 0% or 100%.

## Report

- New: Cumulative specification is now listed in the PDF report for Distributions (for easy reference).
- New: Added feature to allow choosing of what items to report.
- New: Added ability to include a logo and signature line.
- Fix: Semivariogram chart was missing from the PDF report.

## Misc

- New: Added button to manually clear temporary files.
- New: Added ability to recover projects if a project could not be saved after a crash.

- Change: When using an existing project, it will not be updated unless you explicitly save it.
- Performance improvements. Files will be larger because size was sacrificed for speed.

### Known Issues

- Minnesota County zones along Lake Superior are not importable: Cook North Shore, Lake North Shore, St. Louis North Shore.
- Individual lifts in Trimble files are not currently recognized. The pass counts shown are for all combined lifts.
- The aerial map will not usually show for the two most zoomed-in levels.