

Veta 6.0 Release Notes

Installation

- Microsoft .NET Framework 4.8 is required.
- Windows 7 SP 1 is the minimum supported operating system.
- Veta 6.0 can be installed on the same machine as previous versions.
- Veta 6.0 can open projects created in previous versions, but not vice-versa.

6.0.128

Filters

- Fixed: Selecting and checking all list items may not work when there are a large number of items (files, data lots, sensors, etc).
- Fixed: Cold-edge filter may crash.
- Fixed: Machine-specific exclusion filters were not cropped to Common location filter if the machine-specific location filter was not used.

6.0.127

Data Import

- Fixed: MOBA-provided fix for downloaded files that have incorrect timestamps due to UTC month change.

Filters

- Fixed: Offset location filters might be invalid but show as valid.

Legends

- Fixed: Legends imported from a file or previous version of Veta could contain invalid values. Customizing these legends would cause the software to freeze if the values were not corrected.

Analysis

- Fixed: Thermal profiler sublots that had no data would cause the subplot analysis to fail.
- Fixed: Sublot coverage area was sometimes displayed in the wrong unit.

Reports

- Fixed: Data lot report could be incorrect when checking if all thermal profiler sensors were selected. Likely caused by removing a data file that had more sensors than the other files.
- Change: Data lot report now includes the name of the machine category to match the other reports.

Miscellaneous

- Fixed: Various crashes.
- Fixed: Some Veta 5 projects could not be opened.

6.0.121

Data Import

- Fixed: Files using GDA94 or GDA2020 coordinate systems could not be imported.
- Fixed: Some TDS files could not be imported.

Filters

- Fixed: Fixed issue with cold-edge filter removing large quantities of data.
- Fixed: Transverse semivariogram did not work when the source data was in Celsius.
- Fixed: ICMV filtering did not work.
- Fixed: The AASHTO naming template did not always show the correct route systems.

Analysis

- Fixed: The Transverse semivariogram analysis was not correct for non-MOBA thermal profilers.
- Fixed: After sorting the Transverse semivariogram table, selecting a row highlights the wrong subplot on the map. This is partially fixed and will be addressed in a later update.
- Fixed: Thermal profile was cutoff when a large number of sensors were present.
- Fixed: Overall speed analysis was ignoring the filtering settings.

Reports

- Fixed: Excel report could sometimes not be created when there was an error with a subplot analysis.

Miscellaneous

- Fixed: Various crashes.

6.0.112

Data Import

- Fixed: Crash when using an invalid organization name for the Trimble downloader and improved input validation.
- Fixed: Issue with adding PMTP files to an existing project with PMTP files.
- Fixed: Added files from a new machine type to an existing project could cause a crash.

Data Files

- Fixed: Screen did not update correctly when files were added.
- Fixed: Removing multiple files caused a crash.

Filters

- Fixed: The list of files did not update when files were removed from the project.
- Fixed: Adding files from a new machine type did not update the filters list.
- Fixed: Cold-edge filter did not apply for new projects.
- Fixed: Right-clicking on the map could show options that were not allowed, leading to a crash.
- Change: Exclusions should work much better. The exclusion will not be cropped to match the location filter unless both the location filter and exclusion each contain at least four points.

Analysis

- Fixed: Deleting a filter group did not update the list of filter groups for analysis and could cause the analysis to fail.
- Fixed: Deleting a filter group after an analysis could cause a crash.
- Fixed: Compactor analysis failed if only Individual Passes was selected.
- Fixed: Crash when selecting PMTP-related results when the analysis for those results failed.
- Fixed: A subplot with a 'bad' outline would cause all of the subplot results to not be shown.

Reports

- Fixed: Various issues that prevented the Excel report from being created.

Misc

- Fixed: The software sometimes did not immediately show on the Windows taskbar.
- Fixed: Opening a project that had a filter group applied would sometimes show as not applied.
- Fixed: Crash when creating a new project.
- Fixed: Viewing or editing project properties with a new or empty project could cause a crash.
- Fixed: Double-click a toolbar button could cause a crash.

6.0.107

Map

- Fixed: Customizing the legend caused a crash.

Analysis

- Fixed: Compaction projects that contain only final coverage could not be analyzed with filters.

Alignments

- Fixed: Alignment may not be imported using the selection location unit.

Misc

- Fixed: Project properties windows did not always enable the OK button when changes were made.

6.0.104

Veta can now send anonymous device information, region, feature usage, and errors to a secure, online service. Previous versions of Veta only recorded this information locally. If you had this option turned off in a previous version of Veta, this information will not be sent. If the computer has never had Veta installed, you can select your preference at the Welcome screen when Veta is started for the first time. This can always be changed in the Options.

File

- New: Added support for Minneosta St. Louis County Transverse Mercator Coordinate System 96.
- New: Added support for coordinate systems GDA94, MGA94, GDA2020, MGA2020, New Zealand Geodetic Datum 2000 (NZGD2000) and New Zealand Transverse Mercator 2000 (NZTM2000)

- New: Added ability to download from Trimble Connected Community.
- New: Added ability to download from Vögele for PMTP data.
- New: Added ability to download from MOBA for IC data.
- New: Files added to a Veta project can now be exported to a vetainport file. This is a secure file that can be imported into other Veta 6 projects.
- New: Added support for Topcon CMV.
- Change: Simpler process for adding files. Only the coordinate system of the files needs to be specified. Additional coordinate systems can be added later via the Project Properties window.
- Change: Software can now be minimized while adding files and the process can be canceled.
- Change: Removed support for Veta 3 projects.

Filters

- Fix: Generated filters could be renamed.
- New: Definitions for the AASHTO naming template can be added in the Options. The Minnesota definitions are included. Definitions can be imported and exported.
- New: Added “LVL” material (Leveling Course).
- New: Exclusions are cropped to match their associated location filter.
- New: The location filter is visible while viewing an exclusion filter.
- New: Override filters now include Pass Count.
- New: Location filters are now used to define the centerline endpoints for the operation filter. This centerline is used to create sublots. The default centerline points are now estimated for all machine types, not just PMTP. However, for compactors it is likely the centerline endpoints will need to be manually defined.
- Change: Asterisk to denote unreviewed filters has been replaced by a warning symbol. The warning will appear on filters that will not return any data. The warning will also show on the filter’s parents. The warning is visual only and does not prevent any functionality from working.
- Change: Override filters are no longer associated with a particular filter group. Override filters are now selectable in the main toolbar. This allows override filters to be applied to any filter group and reduces the number of filter groups automatically created by the AASHTO template.
- Change: When adding files to an existing project, the new machines will automatically be selected in existing operation filters.
- Change: New exclusion filters will use the offset values of the associated location filter.

Sublots

- Sublots are now defined in a location filter and the sublots screen has been removed. This eliminates the need to create sublots for each filter group.
- Change: The subplot length has been moved to the analysis. This is because multiple machine types can be stored in one project and each machine type, while using the same subplot endpoints, may use a different subplot length.

Spot Tests

- New: Spot test locations can be set using alignments.
- Change: The file/pass that a spot test is associated with is now set in the table itself.

Analysis

- New: Multiple filter groups can be selected to perform a batch analysis.
- New: Coverage statistics are provided for each subplot.
- New: Subplots are now created and analyzed per operation filter, not filter group.
- New: Percent coverage is now calculated for PMTP.
- Change: Subplot size will be constrained to the associated location filter, when available.
- Change: Transverse semivariogram values changed to be read-only (not changeable).
- Change: Subplots without data are now listed in the tables.
- Change: The coverage data length for PMTP now accounts for exclusions and paver stops.
- Fixed: IC semivariogram would not be shown if a curve-fit could not be calculated.

Reports

- New: Exclusion start and stop stations are included in the Filter Group Settings Report.
- New: Included overall statistics in Excel report instead of just histogram values.
- Change: Allow signing and commenting of PDF reports.

Misc

- New: Impacts per foot are now calculated for compactors.
- New: Multiple maps can viewed on the same screen.
- New: An overview map is available in the first map.
- New: The ruler has been updated to measure multiple segments.
- New: Legends can now be exported and imported. Legends can also be reverted to the saved defaults or the Veta software defaults.
- Change: Title bar now displays the name of the project file instead of the project name that was specified in the project properties.

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.
- Datum conversions are not supported.
- Adding points manually to an exclusion filter may take multiple tries due to the exclusion filter restricted to the boundary of the associated location filter.
- Machine-specific exclusions require a machine-specific location filter for cropping to work.