

# Release Notes for version 7.10 (12/22/2017)

(Major changes since version 7.9)

## Design Improvements:

- Added MDC calculations for MARSSIM one analyte at a time designs
- Improvements to Kriging mapping, Hot Spot geostats and Rad Survey geostats
- Fixed problem with applying the correct number of samples for Mean vs. Ref designs
- Fixed problem with MARSSIM Scenario B for manual inputs
- Updated Mean vs. Ref designs so they don't always apply new samples
- Fixed Historical Sample placement
- Added Normality test and UCL calculations to MARSSIM Sign Test for one analyte at a time
- Added support for variance and coverage of data points in Geostat Kriging
- Improvements to sensitivity analysis on report for Mean vs. Fixed and Mean vs. Ref designs
- Added Alpha Scan MDC calculation to MARSSIM WRS Building Unity design
- Updated test statistic labels for MARSSIM Test pages

## Graph Improvements:

- Fixed display of retrospective power curve on MARSSIM report view

## Report Improvements:

- Improvements to calculation of survey unit area for MARSSIM WRS Building Unity EMC calculation and report
- Updated MARSSIM EMC report section to include the number of samples before adjustment
- Adjusted for area units in MARSSIM EMC report sections
- Updated QAPP reports

## Map Improvements:

- Added support for Wikimedia Maps tile server
- Fixed Open Cycle Map with API key
- Improvements to water extraction feature

## Miscellaneous Improvements:

- Made improvements to polygon subtraction
- Added ability to paste Sample Type into Coordinate View
- Improved import and export of Latitude and Longitude data