# Latest additions and bug fixings

It is convenient to install the latest version of the [Toolbox](http://www.lago-consulting.com/tools.html) when it is updated, which currently includes the latest additions and bug fixings listed below.

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| Date | Tools | Description |
| 01/13/20 | NEXRAD Rain SFWMD to dfs0 | Improvement. Added more DateTime parsing options. |
| 12/22/20 | HEC RAS to MIKE11 | Improvement. Bug fixes involving branches with no cross sections. |
| 12/08/20 | All | Improvement. Compiled in Visual Studio 2019 by using .Net Framework 4.8 |
| 09/18/20 | Generate ROF | Improvement. Fixed to work with SI units. |
| 09/11/20 | All | Improvement. Temporarily disabled message for available updates. |
| 09/11/20 | SWMM 5 to SHP | Improvement. Bug fixes involving native dll to read/write SWMM files. |
| 08/04/20 | RiverFlow2D Statistics | Addition. New tool coded for RiverFlow2D users. |
| 08/04/20 | Points Z plus Polylines to Vertices Z | Addition. New tool coded for GIS users. |
| 08/04/20 | M11 Structures to Shape | Improvement. Added more structure types to individual shape file option |
| 07/02/20 | Customized Stats | Improvement. Bug fixes involving multiple plots per graph. |
| 06/25/20 | Shape plus dfs0 to dfs2 | Improvement. Added new interpolation method. |
| 04/15/20 | MIKEZERO related | Improvement. Bug fixes involving MIKE11 tools. |
| 05/28/19 | MIKEZERO related | Improvement. Tools also compiled for the 2019 release of MIKE ZERO. |
| 03/08/19 | All | Improvement. Tools offer update when new version released. |
| 01/25/19 | MSHE ICA to csv | Addition. New tool coded for MIKE SHE users. |
| 26/09/18 | HEC-RAS to MIKE11 | Improvement. To read HEC-RAS files up to version 5.0.5 |
| 06/06/18 | SWMM 5 to SHP | Improvement. Using native dll to read SWMM file |
| 03/29/18 | Replicate Vegetation Data | Addition. New tool coded for MIKE SHE users. |
| 11/28/17 | SWMM 5 to SHP | Improvement. Also reading results and export them in the shape files. |
| 09/19/17 | M11 NWK Compare | Addition. New tool coded for MIKE11 users. |
| 08/31/17 | SWMM 5 to SHP | Improvement. Additional shape file generated for transects. |
| 06/21/17 | Smooth dfs2 files | Improvement. Option to perform weighted average. |
| 04/30/17 | MIKEZERO related | Improvement. Tools also compiled for the 2017 release of MIKE ZERO. |
| 03/26/17 | Fill Sink Plus | Improvement. Maximum burning depth parameter introduced. |
| 03/05/17 | Fill Sink Plus | Improvement. Compiled for ArcMap 10.5. |
| 02/25/17 | Fill Sink Plus | Improvement. Saving modified DEM raster file. |
| 12/23/16 | HEC-RAS to MIKE11 | Improvement. Improvements in bridges conversion.  |
| 12/06/16 | HEC-RAS to MIKE11 | Improvement. Working with some uncommon HEC-RAS setup options.  |
| 11/15/16 | MIKE11 to HEC-RAS | Addition. New tool coded for HEC-RAS users. |
| 10/28/16 | Fill Sink Plus | Improvement. Compiled for ArcMap 10.4. |
| 10/07/16 | Rainfall from PD Table | Addition. New tool coded for all users. |
| 04/07/16 | Time Statistics | Addition. New tool coded for MIKE ZERO users. |
| 03/31/16 | HEC-RAS to MIKE11 | Improvement. Working with geometry files on HEC-RAS 5.0 version. |
| 03/02/16 | Resample dfs2 files | Bug fixed. On reading output grid parameters from file. |
| 02/24/16 | Grid Code Stats | Improvement. Additional option to “count”. |
| 01/23/16 | Smooth dfs2 files | Improvement. Additional capping options. |
| 01/08/16 | Grid Code Stats | Improvement. Option to consider all items and layers. |
| 01/07/16 | M11 Structures to Shape | Addition. New tool coded for MIKE11 users. |
| 12/29/15 | Hydroperiod from Microtopography | Improvement. Using Depth to Phreatic Surface from MIKE SHE. |
| 12/15/15 | All | Improvement. Tools usage stats view in Lago ToolBox. |
| 12/05/15 | MIKEZERO related | Improvement. Tools also compiled for the 2016 release of MIKE ZERO. |
| 11/20/15 | MIKEZERO related | Improvement. Memory usage optimized. |
| 11/17/15 | Html Combine | Improvement. Manually matching allowed. |
| 11/14/15 | Monthly Pumping SFWMD to Table | Addition. New tool coded for all users. |
| 10/27/15 | Verify Raw xns11 Data | Improvement. Option to filter from specified nwk11 file. |
| 10/24/15 | All | Improvement. Tools usage stats. |
| 10/20/15 | Smooth dfs2 files | Improvement. Option to perform gap filling. |
| 09/23/15 | Grid Codes Join | Addition. New tool coded for MIKE ZERO users. |
| 09/22/15 | Resample ASC filesResample dfs2 files | Improvement. Read output grid parameters from file. |
| 09/03/15 | All | Improvement. More robust in OS in languages other than English. |
| 08/04/15 | Customized Stats | Improvement. Option to use daily average results. |
| 07/26/15 | Res11 Read Shell | Improvement. Shape file with segments between q points also saved. |
| 07/22/15 | Smooth dfs2 files | Improvement. Option to cap values. |
| 06/06/15 | Drainage Option PFS | Addition. New tool coded for MIKE SHE users. |
| 05/30/15 | Dfs0 x dfs2 | Addition. New tool coded for MIKE ZERO users. |
| 05/29/15 | Smooth dfs2 files | Addition. New tool coded for MIKE ZERO users. |
| 05/27/15 | Sort dfs files | Improvement. Option to limit the period and to process multiple dfs0 files. |
| 05/13/15 | Grid Code Stats | Improvement. Option to output percentiles. |
| 05/09/15 | Customized Stats | Improvement. Option to output dfs0 files with cumulative flows. |
| 04/30/15 | Customized Stats | Addition. New tool coded for MIKE SHE users. |
| 04/29/15 | Shape plus dfs0 to dfs2 | Improvement. Option to convert to SI units the dfs0 data. |
| 04/26/15 | Adjust dfs2 file | Improvement. Option to process three runs. |
| 04/22/15 | Adjust dfs2 file | Addition. New tool coded for MIKE SHE users. |
| 04/01/15 | Html Combine | Addition. New tool coded for MIKE SHE users. |
| 03/25/15 | Grid Codes Contrast | Improvement. Option to keep the sign of the grid codes. |
| 03/14/15 | Extend dfs2 files | Improvement. Option to reduce the size of the output files. |
| 03/13/15 | Shape plus dfs0 to dfs2 | Improvement. Triangular-based interpolation method added. |
| 03/01/15 | Grid Codes Contrast | Addition. New tool coded for MIKE ZERO users. |
| 02/23/15 | MSHE Well to Shape | Addition. New tool coded for MIKE SHE users. |
| 02/17/15 | Html Print | Addition. New tool coded for MIKE SHE users. |
| 02/02/15 | All | Improvement. Display log files after processing. |
| 01/16/15 | Lateral Flows | Bug fixed. On attempting to read dfs2/dfs3 files in different paths. |
| 01/08/15 | NEXRAD Rain SFWMD to dfs0 | Improvement. On reading raw data and saving dfs0 files. |
| 01/01/15 | MIKEZERO related | Improvement. On reading/writing dfs2 and dfs3 files. |
| 12/09/14 | Shape plus dfs23 to dfs0Shape plus dfs0 to dfs2 | Improvement. Better handling of map projections. |
| 11/16/14 | MIKEZERO related | Improvement. Dfs file control released if not being processed. |
| 11/16/14 | Lateral Flows | Improvement. Also saving a dfs0 file. |
| 11/01/14 | Shape plus dfs23 to dfs0 | Addition. New tool coded for MIKE ZERO users. |
| 10/21/14 | Fill Sink Plus | Improvement. Optional inputs of a polyline shape file for culvert paths and of previous filled raster file for speeding up the processing. |
| 10/11/14 | Hydroperiod from Microtopography | Improvement. Output of mean water level. Consider a Julian Days Interval. |
| 10/07/14 | Shape plus dfs0 to dfs2 | Improvement. Kriging interpolation method added. Julian Day gap filling improved. |
| 09/20/14 | Shape plus dfs0 to dfs2 | Bug fixed. Non-equidistant dfs0 files are read correctly. Html plot files created for verification. Gap filling by using Julian Day running average.  |
| 09/06/14 | NEXRAD Rain SFWMD to dfs0 | Improvement. Now, it also works with SWFWMD raw data files, and it accepts raw data without ZERO values. |
| 09/02/14 | SWMM 5 to SHP | Improvement. Also working with 5.1 version files, among other improvements. |
| 08/20/14 | ModFlow Res To Dfs | Improvement. Also reading ASCII result files. |
| 08/19/14 | ModFlow Res To Dfs | Addition. New tool coded for MIKE ZERO users. |
| 07/09/14 | NEXRAD Rain SFWMD to dfs0 | Improvement. Now, it also creates Non Equidistant dfs0 files. |
| 07/08/14 | All | Bug fixed. Storing last used directory paths improved.  |
| 06/19/14 | Sort dfs files | Improvement. Now, it also sorts dfs3 files. |
| 06/18/14 | All | Improvement. Last used directory paths stored.  |
| 05/28/14 | Grid Code Stats | Addition. New tool coded for MIKE ZERO users. |
| 04/28/14 | Thiessen Polygons | Addition. New tool coded for all users. |
| 04/19/14 | Sort dfs files | Improvement. Cumulative dfs0 tool was renamed. Now, it also sorts dfs2 files. |
| 04/14/14 | HEC-RAS to MIKE11 | Bug fixed. Bridge profile improved.  |
| 04/09/14 | All executables (\*.exe)  | Improvement. New registration codes containing expiration date. |
| 04/07/14 | HEC-RAS to MIKE11 | Addition. New tool coded for MIKE11 users. |
| 12/22/13 | MIKE ZERO related | Improvement. Tools also compiled for the 2014 release of MIKE ZERO. |
| 12/20/13 | Extend dfs2 files | Improvement. Option to leave all or just the selected input data. |
| 12/17/13 | Extend dfs2 files | Addition. New tool coded for MIKE ZERO users. |
| 11/25/13 | Fill Sink Plus | Improvement. Installer available now for ArcMap 10.0, 10.1 and 10.2. |
| 11/18/13 | Fill Sink Plus | Improvement. Optional input of a point shape file for “drain” points. |
| 11/08/13 | NEXRAD Rain SFWMD to dfs0  | Improvement. Alternative data input from a csv file was implemented. |
| 11/08/13 | NEXRAD Rain SFWMD to dfs0 GOES USGS ET to dfs0 | Bug fixed. Code failed to set the column number of the dfs0 file = 1 in the SHE file. |
| 11/06/13 | GOES USGS download | Bug fixed. It failed to download the 2012 year data already available. It was modified to download up to last year’s data. Also, repeated pixel IDs were removed from the list.  |
| 10/23/13 | SWMM 5 to SHP | Addition. New tool coded for SWMM 5 users. |
| 08/26/13 | Shape plus dfs0 to dfs2 | Addition. New tool coded for MIKE ZERO users. |
| 07/12/13 | All executables (\*.exe) and installers (\*.msi) | Improvement. The software was digitally signed for secure distribution over the Internet. The code signing certificate by [Comodo](http://www.comodo.com/business-security/code-signing-certificates/code-signing.php) immediately informs customers that they can trust the software download by verifying code integrity and company legitimacy. |
| 07/11/13 | Cumulative dfs0NEXRAD Rain SFWMD to dfs0GOES USGS ET to dfs0 | Improvement. These three tools are now available to run with the 2011 release of MIKE ZERO. The toolbox detects the MIKE ZERO release installed and launches the 2011 or the 2012 executable. |
| 07/10/13 | GOES USGS download | Bug fixed. It failed to decompress the downloaded zip files in some computers. |

You can suggest new additions or report bugs in the [Contact Us](http://www.lago-consulting.com/faqcontact.html) form.