

User Guide

The most common errors occur when working with data stored outside the Geodatabase (GDB). Ensure that your working environment (including input and output data) is stored in a special folder type called '.gdb', which is used by ArcGIS to store spatial data efficiently and without format conflicts.

Please do not delete the columns in the attribute tables of the temporary data produced until you obtain your final output with HydroMachine. Most algorithms work through the identifiers in these columns. Manipulating them may cause errors.

All tools within HydroMachine that generate vector data have a Simplify option. This option is provided to give the user flexibility. However, to avoid errors in basin analyses and obtain consistent results, you must ensure that the Simplify option is not selected. It has been encountered that vector data processed with the Simplify option produces incorrect results.

HydroMachine primarily utilises your Random Access Memory (RAM) hardware to save time. If you have insufficient RAM capacity, the likelihood of encountering errors increases. Please contact us in such cases. We can provide solutions to your errors using alternative algorithms designed for such situations.

Contact: *topsakalmstf@gmail.com*

If you encounter any errors, please contact us by sending the full error message. When you encounter with an error, providing us with the full error message and your computer's hardware specifications will enable us to assist your error more quickly.

Please feel free to share all your thoughts, suggestions, and requests regarding HydroMachine. HydroMachine is a toolbox that is constantly evolving and growing. All feedback will result in you having access to higher quality software.

Adding Toolbox to ArcGIS Programs:

ArcGIS Pro (3.4 and above):

- ✓ After launching the program, enter your desired project or open a new project to access the Map interface.
- ✓ After accessing the Map interface, open the Toolbox window located under the Insert option.
- ✓ Click on the Add Toolbox option at the top of the list. In the window that opens, locate the HydroMachine Toolbox (3.4) folder you have downloaded.
- ✓ Click on the file with the '.pyt' extension in the folder and click on the OK button at the bottom right of the window.
- ✓ HydroMachine will have been added to the map interface you are working on.
- ✓ You can now see the HydroMachine Toolbox under the Project heading in the Toolboxes section of Geoprocessing.

ArcGIS Desktop (10.8):

- ✓ After launching the program, enter the Map interface by selecting your desired project or opening a new project.
- ✓ Access the ArcToolbox interface. If it is not open, you can open it by clicking on the icon.



- ✓ Right-click on the ArcToolbox title and select the Add Toolbox option from the window that opens.
- ✓ In the window that opens, locate the HydroMachine Toolbox (10.8) folder you have obtained.
- ✓ Click on the file with the '.pyt' extension in the folder and click the Open button at the bottom right of the window.
- ✓ HydroMachine has now been added to the Map interface that you are working on. You can view it together with other Toolboxes in the ArcToolbox window.