# Instructions for use of the MAGtool Batch analysis tool (MAGtool Version 2.4)

This file contains brief instructions for running the MAGtool Batch analysis tool. Additional information on the MAGtool can be found in the MAGtool v2.4 Overview and Users Guide.

To run the tool, copy the MAGtool batch analysis tool folder directly to the folder where you will run the analysis. All of the files needed to run the terrestrial and aquatic plants or animal analyses are contained in the folder. The user should only modify cells and worksheets as instructed below. The Batch analysis workbook requires Macros to be enabled to run. Sample input files are included for running the tool. Additional details are below.

## Running the Batch Analysis tool

Follow the steps below to conduct species analyses.

1. Unzip the file contents to your computer.
2. Open the MAGtool Batch anaysis.xlsm file.
3. On the Batch analysis run worksheet, all species IDs can be entered and runs completed. Follow the steps on the Batch Analysis sheet for where to list the species IDs and file identifiers to complete a run. Separate instructions are provided for terrestrial and aquatic plants or animals. Note there is a flag in the batch input file to indicate whether the analysis will be completed deterministically or probabilistically.

Sample file inputs to the MAGtool files (MAG\_TerrTool and MAG\_AquaTool) have been preloaded for the specific chemical analyses in each folder. To modify inputs to the analyses, use the “*Chemical Name*\_*Range or CH*\_WoE Input parameters.xlsx” file and the “GIS Input file\_*Range or CH\_Chemical name*.xlsx” located in the folder. If modified, files must maintain the formatting in the input file to operate correctly. After making any file modifications, input files need to be reloaded and names of the file must match the naming convention described above. Instructions for loading input files into the MAG\_TerrTool and MAG\_AquaTool are provided below.

### Loading Input files into MAGtool (Terr and Aqua tools)

Loading the Chemical inputs and GIS files:

1. Open the MAG\_TerrTool\_v2.4.xlsm or MAG\_AquaTool\_v2.4.xlsm, depending on which analysis is being conducted.
2. Go to the Step 2 File Generator worksheet.
3. Select cell D7 and select your chemical (cell D1 should now match the name of input file you created).
4. Select cell D8 and select Range/CH (cell D5 should now match the name of input file you created).
5. Click on “Load Chemical inputs”. The file may take a few minutes to load.
6. Click on either “Load CoA overlap” or “Load UDL overlap” depending on what type of overlap file is being used. The file may take a few minutes to load. After loading, cell G3 will reflect the type of overlap file loaded (CoA or UDL). The example input file loaded is a CoA overlap file. A sample input file is also included for a UDL overlap file.
7. Save the file (do not change name) and close.

Once the preceding steps are complete, return to the MAGtool Batch analysis tool and run the species of interest.