

PHREEQC execution

PHREEQC is freely downloaded from the US Geological Survey (<https://www.usgs.gov/software/phreeqc-version-3>).

Windows

1. Download the most current edition of Windows 32-bit PHREEQC-#.##-#####.msi.
 - a. Other Windows versions of PHREEQC should function equivalently, however, the graphical user interface of the PHREEQC module improves user accessibility.
 - b. Any location can be selected to download the .msi PHREEQC installer
2. Run the downloaded .msi PHREEQC installer
 - a. Follow the prompts and directions
3. Open the PHREEQC interactive application
4. Upload PHREEQC input file to the application and click the “Run..” button under the “Windows” and “Help” headers.
5. Ensure that the automatically populated file paths for the input file, the output file, and the database are acceptable
 - a. Correct any necessary entries
6. Execute the simulation.

Macintosh

1. Download the most current MacOS 64-bit PHREEQC-#.##-#####.dmg.
 - a. Only one option is available for Macintosh operating systems.
2. Open the downloaded PHREEQC software folder, which should be titled “PHREEQC-#.##-#####”.
3. Drag the “bin” folder into the “src” folder.
4. Open the “run phreeqc” file within the “src” folder
 - a. The file may be blocked for being from an unrecognized developer.
 - i. Open the System Preferences application
 - ii. Navigate to the Security and Privacy setting
 - iii. Click the locked lock in the lower left corner
 - iv. Click allow Open Anyways next to the prompt for the PHREEQC software
5. Click the right pointing triangle (the “play” button)
6. Follow the software prompts to select the PHREEQC input file, select the location of the PHREEQC output file, and select the PHREEQC database file for the simulation.
 - a. Select the output file location to be the folder that contains the data processing Notebook
7. Execute the simulation.