**Debug**

Many BioSum processes write a text log to the local temp directory. The path to the local temp directory is typically “C:\Users\userName\AppData\Local\Temp”. Depending on the process and the project size, writing the log at a high level may slow down processing and take up disk space.

If BioSum is running without errors, the level can be set to “1-Minimal” to speed up processing. If BioSum is generating errors or additional insight is desired, the level can be set to a higher level (2 or 3). The BioSum administrator may request that this level be set higher when providing technical support.

**Suppress Table Record Counts**

Table record counts may be used with some BioSum modules as an audit to ascertain whether the records processed are the same number as expected. If this information is not regularly used, it is recommended to check these boxes to improve performance. Enabling record counts can noticeably slow screen loading, especially with large datasets.

**OPCOST**

These settings used to tell BioSum where to find the executable (or program) for R and the OPCOST.R script.

The top directory path should be automatically populated to the default directory, the Rscript executable file in the R folder on the C:\ drive. This link will point to the version of R that was installed during the “full installation” of BioSum. OpCost was written and tested in version 3.4.0 of R, and is not guaranteed to work with newer versions.

If you need to update the location of your R installation, be sure to choose the Rscript.exe version in the i386 directory. This is the 32-bit version that has been verified to work with OpCost/BioSum.

The second directory path needs to point to an OpCost R script. Select the folder icon next to Directory path of the OPCOST.R file name and navigate to the R script you wish to use. The OpCost R script packaged with your BioSum installation can always be found here: C:\Program Files (x86)\FIA PNW Portland Forestry Sciences Lab\FIA Biosum <current version>\opcost. Select the .R file and click <Open>.

Note that any errors generated when OpCost runs during processing can be found in a file named “opcost\_error\_log.txt” in your AppData\Local\Temp folder.