SeriesSEE distribution folder

The SeriesSEE add-in, example SeriesSEE data sets, online-help as a PDF, and installation instructions are in Appendix A (Figure 1). The SeriesSEE add-in, **SeriesSee.V1.30.xlam**, is in the subfolder AddIN. Examples are differentiated by data type in subfolders with the prefix "Example_". The PDF version of the online help file, SeriesSEE.V1.30_Explain.pdf, duplicates the online help file because security patches can render compressed help (CHM) files unreadable from servers (Dr.Explain, Microsoft Support). The installation file, SeriesSEE.V1.30_INSTALL.pdf, explains installation of Add-ins and suggests setting changes that make Microsoft® Excel less painful.
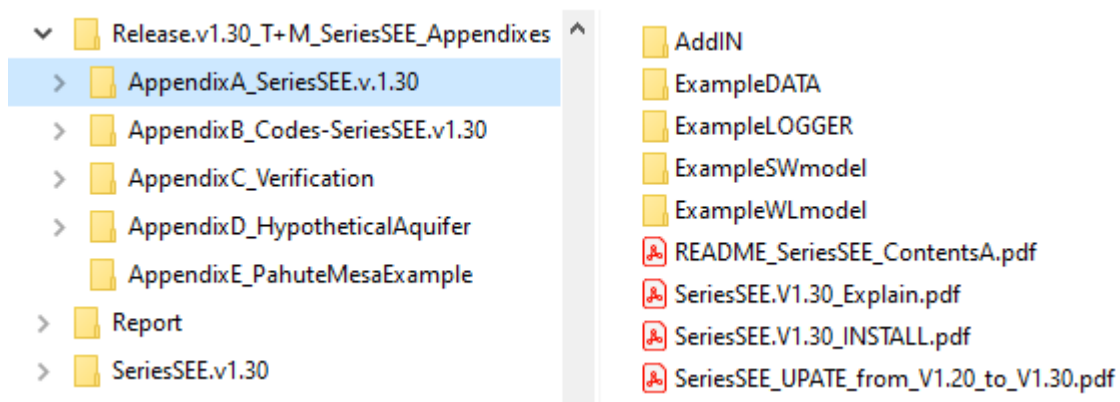

Figure 1.—Root directory and subfolders for SeriesSEE distribution folder.

AddIN

The file **SeriesSee.V1.30.xlam** is what the user browses for when installing SeriesSEE as a Microsoft® Excel add-in and is located in the subfolder AddIN (Figure 2). The file SShelp.chm is a compressed help file that is called by the help utilities in SeriesSEE. Macros and supporting data are in the ***SSmodule_*.SerSee*** files that SeriesSEE calls. These files should not be accessed directly by the user. Source codes for the ***SSmodule_*.SerSee*** files are in the VBA folder of appendix B and are named ***SSmodule_*.xlsm***. Water-level model and PEST files are created from the ***TEMPLATE_*.txt*** files. New workbooks are created by many of the SeriesSEE utilities and their design is specified in the ***TEMPLATE_*.SerSee*** files (Figure 2). Source codes for the ***TEMPLATE_*.SerSee*** files are in the VBA folder of appendix B and are named ***TEMPLATE_*.xlsm***. The prefix "WLM_" has been appended to all FORTRAN executables so these files can be managed. ***WLM_*.exe*** files are copied to a working directory, used, and deleted from the working directory so changing the PATH variable is unnecessary.
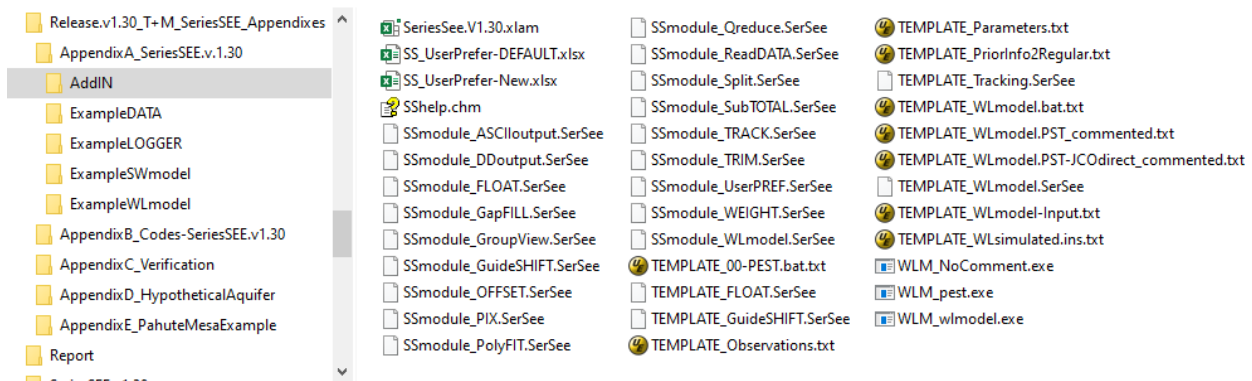

Figure 2.—SeriesSEE add-in folder that contains the add-in, supporting VBA modules, ASCII templates, and FORTRAN executables.

Example Data Sets

Example borehole geophysics data, ASCII data-logger files, micrometeorological data, and water-level modeling data sets are distributed with SeriesSEE. Examples are differentiated by data type in subfolders with the prefix "Example_" (Figure 1). Basic time series and borehole geophysics data are in the subfolder Example_DATA (Figure 3). ASCII data-logger files are in the subfolder Example_LOGGER (Figure 4). Process for retrieving surface-water data from USGS NWIS and example flow and stage data are in the subfolder ExampleSWmodel (Figure 5). Water-level modeling and voluminous pumping data are in the subfolder Example_WLM (Figure 6).
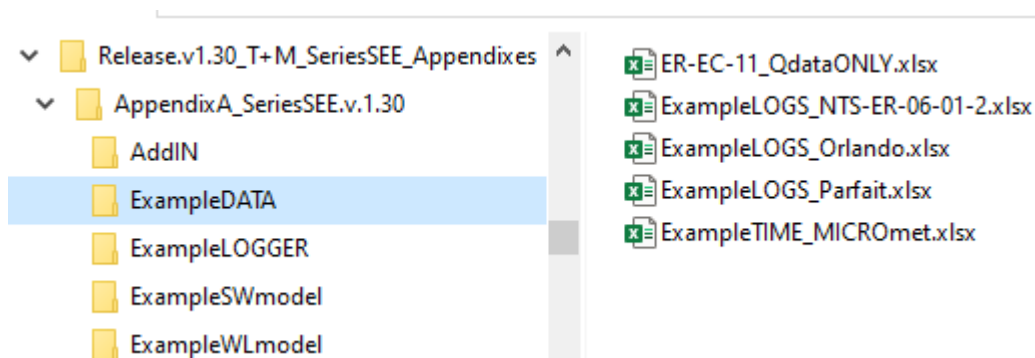

Figure 3.—Examples of geophysical logs in the Example_DATA subdirectory.
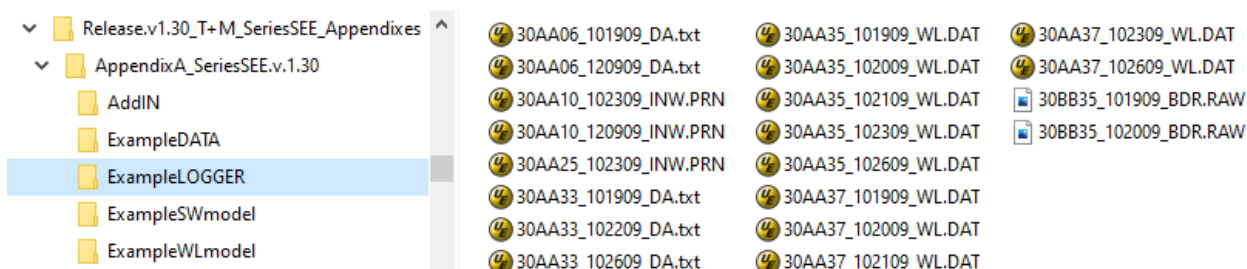

Figure 4.—Examples of data logger files in the Example_LOGGER subdirectory that can be read with the ⊞ GetLogger utility.
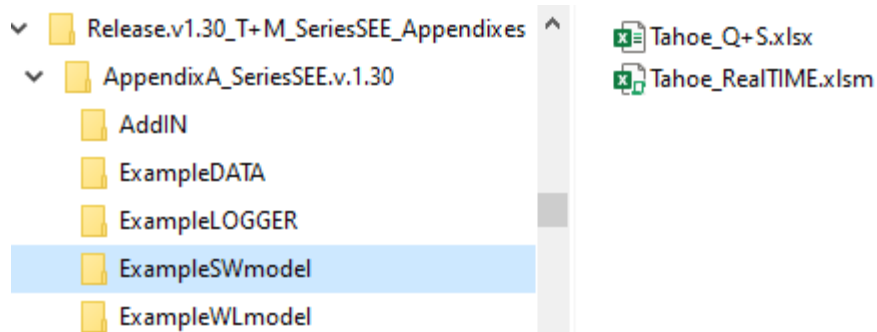
Figure 5.— Process for retrieving surface-water data from USGS NWIS and example flow and stage data in the ExampleSWmodel subdirectory.
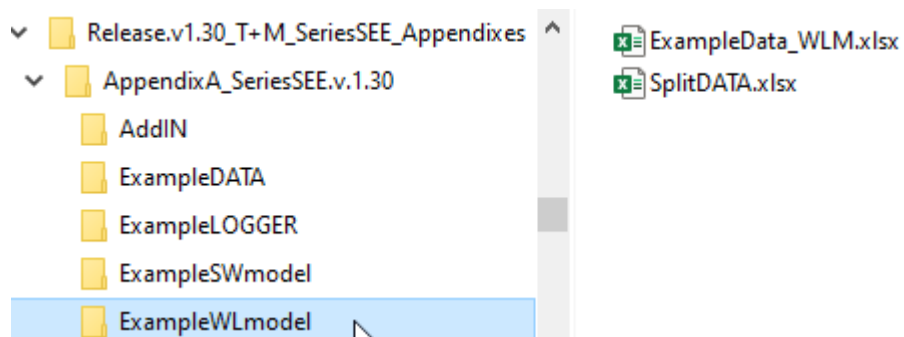

Figure 6.—Examples of pumping, water level, and barometric data for water-level modeling with SeriesSEE in the ExampleWLmodel subdirectory.