

NHDPlusAppend User Guide

Purpose: NHDPlusAppend is designed to append individual NHDPlus HUC8 workspaces together into larger datasets.

Input:

- The folder/directory containing a valid set of NHDPlus workspaces.¹
- The folder/directory that will contain the appended output dataset.
- A file containing the list of HUC8 workspaces to be appended.²

Output: An appended NHDPlus workspace.

¹ The HUC8 workspaces are currently available for download at <http://www.horizon-systems.com/NHDPlus/extensions.php>

The directory structure should be maintained when extracting the HUC8 workspaces from the zip files.

² The input file containing the list of HUC8 workspaces should have one workspace name per line. Each workspace has a name in the format of NHDPlusnnnnnnnn where nnnnnnnn is a valid HUC8 code. A workspace name is the folder that is created by unzipping a workspace. For example:

NHDPlus06010101
NHDPlus06010102

Installation

To install the application, unzip the entire contents of NHDPlusAppendVnnn_Install.zip into a folder/directory that does not contain any spaces. For example:

C:\NHDPlusTools\NHDPlusAppend

Make sure to maintain the existing directory structure when extracting the contents of the zip file. (In WinZip, make sure the “Use folder names” option is checked.)

Program Initialization File

NHDPlus Append is set up to append HUC8 workspaces that fall in the continental US (i.e. in hydrologic regions 01 thru 18). When appending HUC8 workspaces in hydrologic region 20, the user must change the program initialization file (NHDPlusAppend.ini). The file contains a run-time parameter (SkelPath) used by the NHDPlusAppend

application. The SkelPath parameter tells NHDPlusAppend which folder/directory contains the skeleton files to use when building the output dataset. There are two possible values: NHDPlusAppendShells_1-18 for hydrologic regions 1 to 18 and NHDPlusAppendShells_20 for region 20 (Hawaii). For example:

[Working]

SkelPath=NHDPlusAppendShells_1-18

OR

[Working]

SkelPath=NHDPlusAppendShells_20

Menu Choices

About - Information about NHDPlusAppend - Clicking on any of the logos will launch the default browser with that organization's home page. System Info will display information about your system.

Select Data - Provides folder/file dialogs used to select inputs for NHDPlusAppend.

Delete Log - Deletes the current NHDPlusAppend log file.

Help – Displays help for NHDPlusAppend

Quit - Closes the NHDPlusAppend application.

Error Messages

Message: The file NHDPlusAppend.ini is missing from the "Application" directory

Explanation: The initialization file containing program parameters is missing from the directory where NHDPlusAppend is installed. In the actual error message, the word **Application** would be replaced by something like **C:\NHDPlusTools\NHDPlusAppend**. NHDPlusAppend.ini can be extracted from the zip file containing the original program files.

Message: The "Application"\NHDPlusAppendShells_1-18 (or _20) folder is missing

Explanation: The folder(s) containing the skeleton files is missing or the **SkelPath** parameter in NHDPlusAppend.ini is pointing to the wrong folder.. In the actual error message, the word **Application** would be replaced by something like **C:\NHDPlusTools\NHDPlusAppend**. The skeleton files can be extracted from the zip file containing the original program files. Make sure to extract the

skeleton files using their original directory/folder structure. The folders containing the skeleton files should always be a sub-folder to the folder in which you installed the NHDPlusAppend application.

Message: Error The “Input Folder”\drainage\cat is missing

Explanation: The sub-folder \drainage\cat containing required workspace files is missing. In the actual error message, **Input Folder** would be replaced with the location of the NHDPlus HUC8 workspaces you provided in the first dialog after choosing the “Select Data” menu choice.

Message: Error The “Input Folder”\elev_unit\elev_cm is missing

Explanation: The sub-folder \elev_unit\elev_cm containing required workspace files is missing. In the actual error message, **Input Folder** would be replaced with the location of the NHDPlus HUC8 workspaces you provided in the first dialog after choosing the “Select Data” menu choice.

Message: Error The “Input Folder”\fac_fdr_unit\fac is missing

Explanation: The sub-folder \fac_fdr_unit\fac containing required workspace files is missing. In the actual error message, **Input Folder** would be replaced with the location of the NHDPlus HUC8 workspaces you provided in the first dialog after choosing the “Select Data” menu choice.

Message: Error The “Input Folder”\fac_fdr_unit\fdr is missing

Explanation: The sub-folder \fac_fdr_unit\fdr containing required workspace files is missing. In the actual error message, **Input Folder** would be replaced with the location of the NHDPlus HUC8 workspaces you provided in the first dialog after choosing the “Select Data” menu choice.

Message: Error nn (Error Description) in procedure xxxxxxx of Form xxxxxx
Error Source: "Error Source" occurred at line n

Explanation: An unhandled program error has occurred. Please contact technical support. (see below)

Technical Support

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