Shoreline Management Tool—Frequently Asked Questions

If you have suggestions for additions to this list of frequently asked questions, please send them to Dan Snyder at dtsnyder@usgs.gov

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General

1.1 Special instructions for unzipping files: Pathname Length

04/24/2013: Due to the total length of pathname and filenames contained in the .zip files, unzipping the files into a directory with a pathname that exceeds approximately 30 characters in total length may result in a "pathname too long error" from Windows. This problem arises from a limit of 260 characters in Windows for the total length of a filename with full path. The longest filename and path within each .zip file is listed below:

150 characters for:
ShorelineManagementTool_OFR2012-1247_v*YYYYMMDD*.zip

166 characters for:
ShorelineManagementTool_NAVD88_OFR2012-1247_v*YYYYMMDD*.zip

166 characters for:
ShorelineManagementTool_NGVD29_OFR2012-1247_v*YYYYMMDD*.zip

The specific error messages reported by Windows may vary and include:

Destination Path Too Long
> *The file names(s) would be too long for the destination folder. You can shorten the file name and try again, or try a location that has a shorter path.*

Copy File

An unexpected error is keeping you from copying the file. If you continue to receive this error, you can use the error code to search for help with this problem.
Error 0x80010135: Path too long

Copy File
An unexpected error is keeping you from copying the file. If you continue to receive this error, you can use the error code to search for help with this problem.
Error 0x80004005: Unspecified error

This issue can be prevented by unzipping the files into a directory with a total pathname length of less than about 30 characters (though this number may vary depending other factors).

1.2 v20130123 Zip file for NAVD88 contains invalid header

04/24/2013: The zip file "Example version for the Lower Wood River Valley, Oregon - NAVD88" (*ShorelineManagementTool_NAVD88_OFR2012-1247_v20130123.zip*) has an invalid header resulting in about 450 of the 64,000 files to be unusable. This may cause the Shoreline Management Tool to crash or may cause unpredictable behavior. We have re-created the zip file which is called *ShorelineManagementTool_NAVD88_OFR2012-1247_v20130410.zip*. The file may be accessed from the report webpage at: http://pubs.usgs.gov/of/2012/1247/downloads.html Note that the new zip file has a revised version of "v20130410". We also re-zipped the other program files for good measure (and updated the version numbers), though we did not detect any issues with these files.

1.3 v20130123 Addin compatibility issue using ArcMap 10.0

04/24/2013: We have discovered that the v20130123 version of the Addin file within the *\ShorelineDirectory\Tool_Source_Files* folder: *ShorelineAddin_v20130123.esriAddIn.zip* requires ArcMap version 10.1 to run successfully and will not run under version 10.0. This is may be indicated when the icon for the Shoreline Management Tool appears "grayed out" and is not able to be selected. This issue occurred because we recently upgraded to ArcMap version 10.1 when creating the Addin only to subsequently find that Addins created using 10.1 are not backwardly compatible with ArcMap 10.0. We have re-created the Addin using ArcMap 10.0 which is now forwardly compatible with ArcMap 10.1 which is called *ShorelineAddin_v20130410.esriAddIn.zip*. It will only be necessary to download the new Addin file (0.2 MB) to replace the existing version of the Addin which is available at: http://pubs.usgs.gov/of/2012/1247/downloads.html. Remember to first use the UNINSTALL procedure to remove any previous versions of the Addin. This is described on p. 16 of the full report or the User's Guide in the section titled "Detailed Uninstall Instructions."

1.4 Habitat names must not exceed 24 characters

04/24/2013: Habitat names longer than 24 characters (excluding the "hab_" prefix and the "_.txt" suffix may result in a failure of the Shoreline Management Tool to run successfully. This situation may be recognized by a message "Error in parcel

loop of displaydepthrange routine: Entering statement 1" that will occur in the *OutputMessagesFromScenarioRun.txt* file under the directory for the scenario name within the *\ShorelineDirectory\Output_Scenario_Workspaces* directory.

1.5 Reserved values of depth: -9999 and -99999

04/24/2013: When entering habitat criteria for minimum and maximum depth the values of exactly -9999 and -99999 are reserved for coding purposes and must not be specified by the user. Use of these values may cause the Shoreline Management Tool to crash or may cause unpredictable behavior.

1.6 Version v20130410 released

04/24/2013: To address the issues raised in sections **1.2** (*v20130123 Zip file for NAVD88 contains invalid header*) and **1.3** (*v20130123 Addin compatibility issue using ArcMap 10.0*) a new version of the Shoreline Management Tool has been released. The version number has been updated to v20130410 within the Addin (that contains the ArcMap graphical user interface), the Excel spreadsheets, and the User's Guide. This version is fully backwardly compatible with input datasets, habitat definitions, scenario definitions, and output datasets previously developed using v20130123. There is no need to update to v20130410 if issues in sections **1.2** and **1.3** are not of concern to your situation. The files containing the new versions may be accessed from the report webpage at: http://pubs.usgs.gov/of/2012/1247/downloads.html. Remember to first use the UNINSTALL procedure to remove any previous versions of the Addin. This is described on p. 16 of the full report or the User's Guide in the section titled "Detailed Uninstall Instructions."

1.7 New videos for SingleTime and TimeSeries scenarios released

04/24/2013: Two new 5-minute videos demonstrating how to run either SingleTime or TimeSeries for the Shoreline Management Tool are now available.

- The video [ShorelineManagementTool_SingleTime_Video_v1.mp4](#) (9.3 MB) contains an example on how to run a Single-Time scenario where the user may define multiple groups of land parcels for the scenario and specify one independent surface-water stage for use with each group of parcels.
- The video [ShorelineManagementTool_TimeSeries_Video_v1.mp4](#) (9.3 MB) contains an example on how to run a Time-Series scenario where the user may define only one group of land parcels for the scenario, but may specify a data file of date/time values and corresponding surface-water stage values that will be used to run the scenario using each value of stage for the parcel group.

1.8 Downloading and unzipping large .zip files

04/25/2013: When downloading files, please check to see if the complete file is successfully obtained as some files are very large (several gigabytes). A comparison should be made between downloaded file sizes with posted approximate file sizes. When unzipping these files, use of a dedicated zip/unzip program that reports errors when extracting individual files can help to verify that the complete .zip file was obtained and successfully unzipped. It appears that the "Extract All" unzip feature in Windows may not report errors that occur during the unzipping process that would otherwise provide an indication of a problem or an incomplete file transfer.