

SEDMODL2 Release version

December 2002

Quick Start Guide

- 1.1** – If a previous SEDMODL2 installation exists on the target drive then delete or rename this workspace first. Execute the programs.exe file to install the programs directory under the root of the drive you intend on running SEDMODL2 from. For instance if you want to run SEDMODL2 from the C: drive then type in c:\ in the extract dialog box. This setup file will create a directory named SEDMODL2 on that drive with a programs directory located beneath it. The programs directory has a ReadMe.txt file that you should review. This setup procedure also creates a lib directory and a docs directory located directly beneath the SEDMODL2 directory.
- 1.2** – Beneath the sedmodl/programs directory are three other directories (Access2K, Access97, lib, and SedmodlMapper). If you have Office 97 installed on your machine then copy the zero.mde file located in the Access97 folder to the lib directory, if you have Office 2000 installed then copy the zero.mde file located in the Access2K directory to the lib directory. If you have neither versions of Office then use the Access2K version
- 1.3** – Run the <your state>covers.exe file to extract the state specific coverages for geologic erosion factor and rainfall factor. You should direct the extract dialog to put the files in the SEDMODL directory. The program will create a workspace named covers. From the Arc prompt you should initiate the externalall (Usage: EXTERNALALL {directory}) command from the SEDMODL2 workspace.
- 1.4** – At SEDMODL2, a runtime Microsoft Access application is provided to assist with scenario modeling after the spatial modeling is complete. This application includes lightweight, royalty-free mapping software components. In order to take advantage of these components it's necessary to install certain files onto the target computer. To do this you must run the setup.exe file located in the SedmodlMapper directory located beneath the programs directory. Please follow the directions provided by the install dialog. Accept the request to reboot your computer in order to finalize the installation process. For a more detailed description of the files that are copied onto your system please refer to the Release Notes document.
- 1.5** – Review your GIS data to insure that polygon topology exists on polygon coverages and that a coordinate projection system has been defined for each coverage. SEDMODL2 SEDMODL2 will utilize feature level attributes for the following.
 - Cutslope vegetation cover (includes rock or non-erosive surface) – Cutslope cover must be expressed as a number ranging from 0 to 100. If this item is present and identified by the user, values occurring in each record will be applied to the model. Records where no data exists must be coded to –9999 prior to running SEDMODL2. Data records with –9999 values will be modeled with a user-supplied default value.
 - Cutslope height – Cutslope height is measured in feet. Height can be recorded in tenths of a foot. Records where no data exists must be coded to –9999 prior to running SEDMODL2. Data records with –9999 will be modeled using values derived from the digital elevation model (DEM).
 - Road gradient – Road gradient must be expressed as a whole number greater than or equal to 0. Records where no data exists must be coded to –9999 prior to running SEDMODL2. No data records will be modeled using values derived from the DEM.
 - Road prism geometry (insloped, outsloped, crowned) – Road prism geometry must be defined as a text data type with legal values of “INSLOPED”, “OUTSLOPED”, or

“CROWNED”. Unpopulated records will be modeled as “INSLOPED.” Outsloped roads with a berm or tire tracks/ruts should be coded as insloped.

- Construction Year – The effects of new roads can be modeled if the construction year is known for a given road segment and that item is available and specified by the user. The user will have an opportunity to specify a reference year that will be used by the model to calculate road age from. This functionality allows the user to *go back or forward in time* to determine the effect of road age on sediment production.

1.6 – If you have previously run SEDMODL Version 1.0 then please read the Release Notes document to learn about the new features and functionality available with this release. If you are a new user then you are strongly encouraged to read all the documentation. New and returning users are also encouraged to read the User Manual for Scenario document for instructions on taking advantage of the functionality present in the runtime Microsoft Access application.