

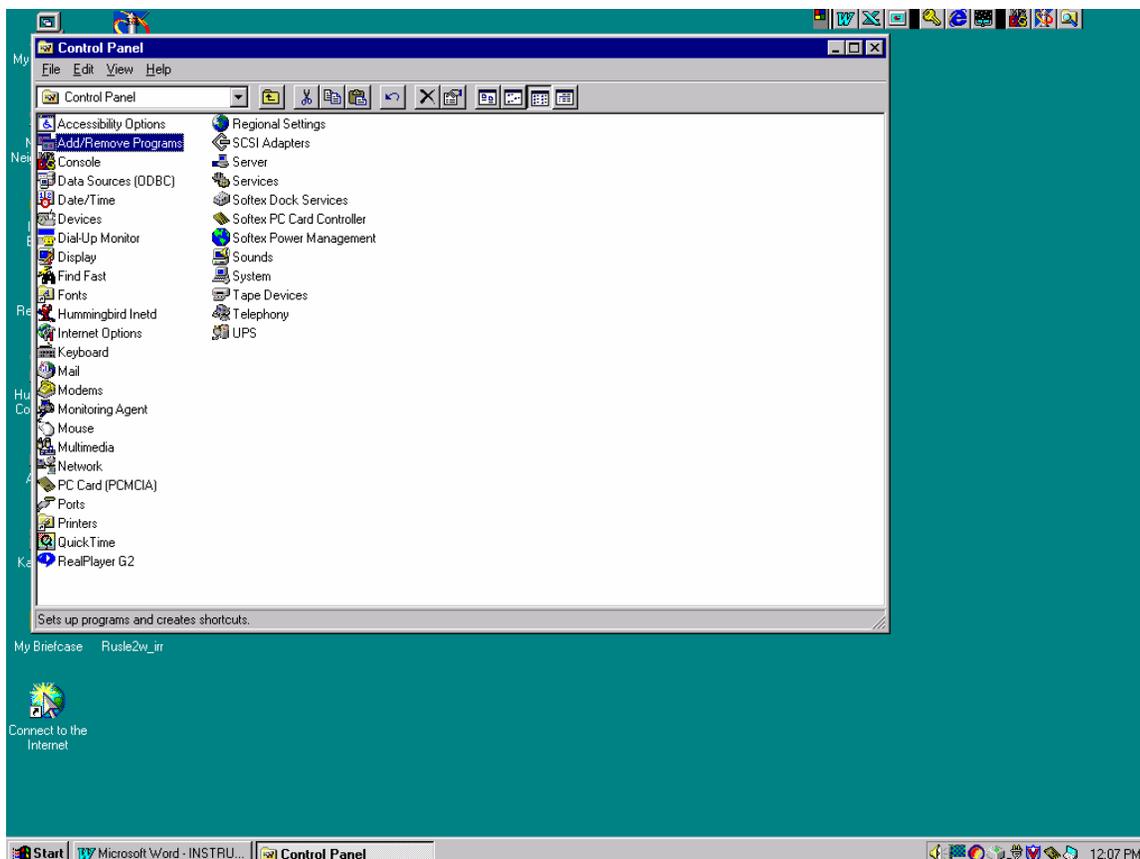
INSTRUCTIONS FOR INSTALLING A NEW VERSION OF RUSLE2:

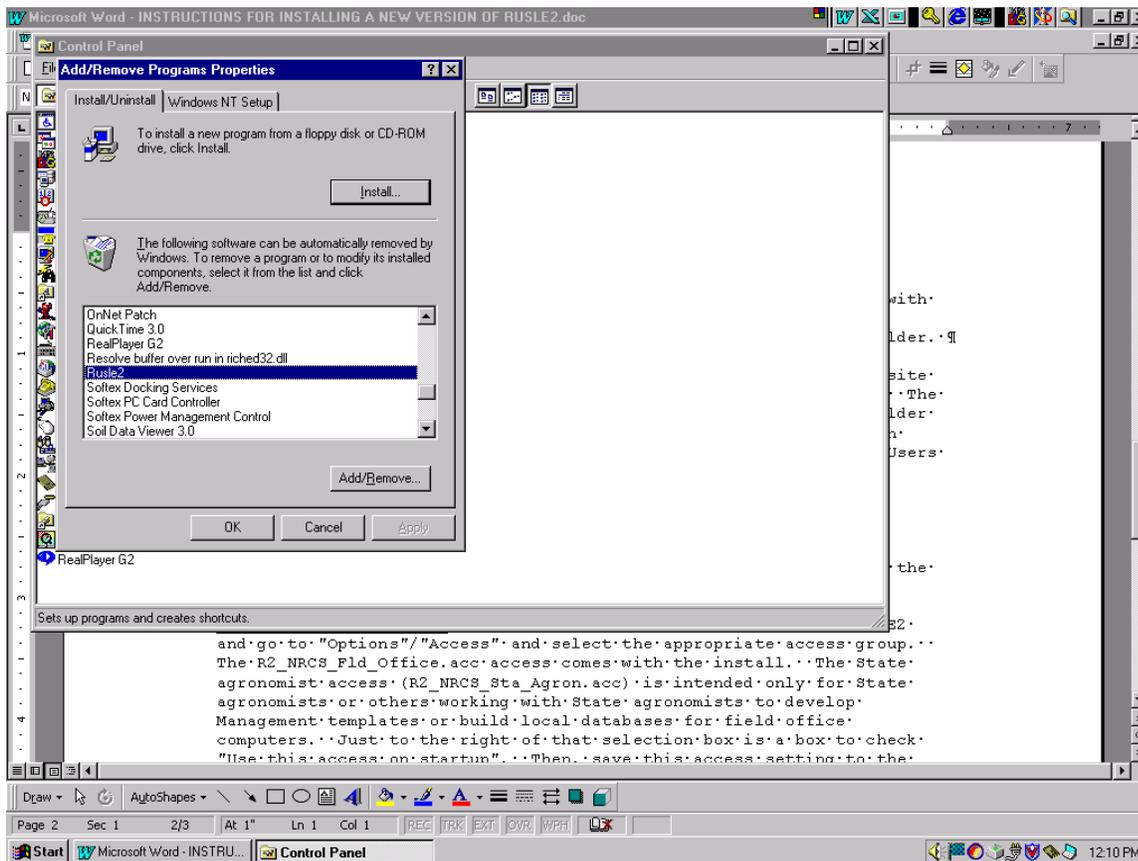
All previous versions of RUSLE2 should be un-installed (not deleted) prior to installing the new version.

ARCHIVE EXISTING DATABASE: **THIS DOES NOT NEED TO BE DONE IF YOUR MOSES FILE IS ON THE SHARED DRIVE.** (This should be the case in almost all field offices.) If the MOSES file is on someone's C drive, then do the following: Prior to uninstalling the current version, rename and save your existing "**moses.gdb**" database file located in the c:\Program Files\usda\Rusle2 folder to another name and location for safe keeping. After installation of the new version is complete, you can import parts of your old database into the new database that is included with the new version of the model (detailed instructions in IMPORTING DATABASE COMPONENTS INTO NEW BASE DATABASE:). **Protecting the old database in this manner will prevent overwriting it upon booting the new version.**

If your office utilizes a shared RUSLE2 database located on a shared drive on the server (which should be the case most of the time), this file will not be affected in any way by the uninstall and installation of the new RUSLE2 version. This database however, will need to be updated with the current additions and edits utilizing the available update file.

UNINSTALL CURRENT VERSION: Obtain IT assistance and using "Administrator access", uninstall any previous versions. Only files that came with the previous install will be removed. All previous import and export files will be retained. Delete these files from your computer.





INSTALL NEW VERSION:

Web Site

Go to the Rusle2 web site (http://fargo.nserl.purdue.edu/~vining/RUSLE2_Data_Portal/) and copy the current CCE certified version of the program to your computer. The current version is located in the **Rusle2 Program File\Download File** folder on the web site. Double click on this file with the left mouse button, and check the box that says “save file to disk”. Put the file in the **c:\Program Files\usda\Rusle2** folder on your computer. (NOTE: both an “.exe” and an “.exe.renamed” installer are available on the website. Users with XP machines should use the “exe.renamed” file for the installation). If you copied the “exe.renamed” file, rename it by removing the “.renamed” extension.

Database updates are also posted in this same “Base Database and Miscellaneous files” folder. This file contains all of the database updates that have ever been done, and it allows you to update your database in between cycles of new versions of the model. Copy this file to your computer also. Instructions are provided there and on our Minnesota web site for making these updates.

Do the same thing for the new CMZ files for CMZ 1, 2, or 4 – whichever zone you are using. They are located in the **Crop Management Templates\Data Files** folder. Changes to the CMZ files and the soils files are not included in the Database update file.

Soils information has been updated in 2005. The soils files for each county in Minnesota are located in the **Soils Data/data files** folder. Click on the Minnesota folder, and the data files for

each county will appear. Save the soils data file for the county you want in the same place (c:\Program Files\usda\Rusle2 folder)

Exit out of the internet.

Go to your desktop and using Windows Explorer, go to c:\Program Files\usda\Rusle2. Rename the install file that you just copied here to “**R2NRCS_200xxxxx.exe**” by removing the “.renamed” extension.

Obtain IT assistance to install the program. Log in as administrator. Double-left-click the R2NRCS_200xxxxx.exe file to begin the install. The file will automatically take you through the installation steps and install the program on your computer. (***NOTE:** When you get to the box during the install process that says “Select Additional Tasks”, do not check any of the boxes. Do **not** create a desktop icon while you are logged in as administrator. It will not show up on your desktop. You can do this after you have logged out as administrator and logged back in as yourself. Do not check any of these boxes on this screen. Just click Next and continue with the installation).

When the installation process is finished, log out as administrator and log back in as yourself. You can now create a desktop icon for the program. Go to c:\Program Files\usda\Rusle2\binaries. Right click on the “Rusle2.exe” icon. Go to “Create a Shortcut” and click on that choice. This will create a shortcut icon in this folder. Drag the shortcut icon out to your desktop.

If your office utilizes a shared RUSLE2 database located on the shared drive on the office server, the path to that file must be reset in RUSLE2. Open the program. On the toolbar, go to “Database, Open Alternate”. Navigate to your MOSES file on the shared drive and click “open”. You won’t see anything happen on the screen, but the new database will show up in the lower right hand corner of the screen.

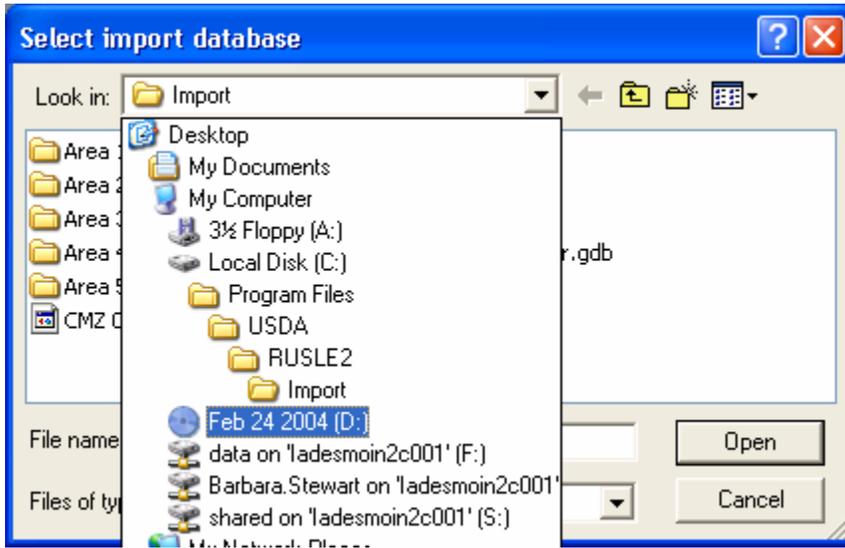
Now go to “Database, Start up database” on the toolbar, and click on that. This will set the MOSES file on the shared drive as the start up database each time you open the program.

IMPORTING DATABASE COMPONENTS INTO NEW BASE DATABASE: Each new version of RUSLE2 contains a new updated base database (minus Soils, Climate, Managements, Profiles, Worksheets and Plans). With each new version there are many new and revised Vegetation and Operations records, as well as revised Strip Cropping, Contouring and other Support Practice choices that have been added or edited.

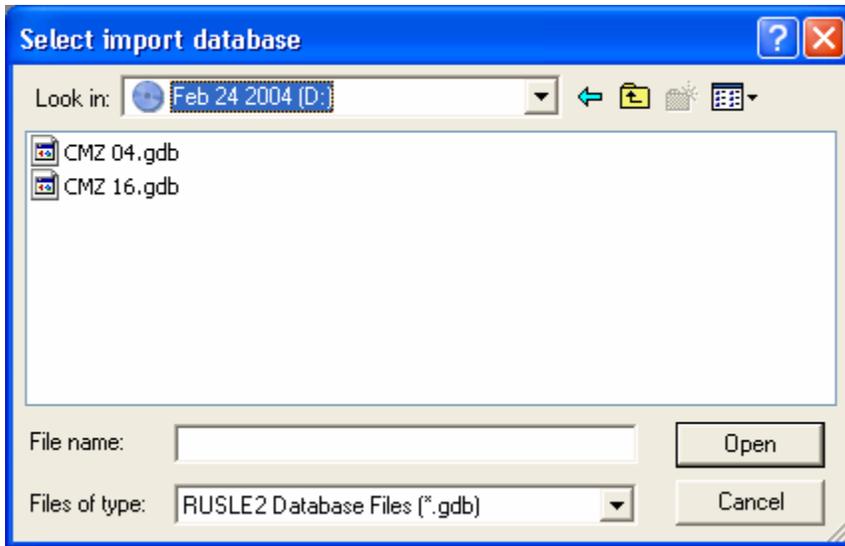
You will need to use this new base database to import the Soils, Climate, Managements, Profiles, Worksheets and Plans from your archived database into this new database. There are two ways to do this.

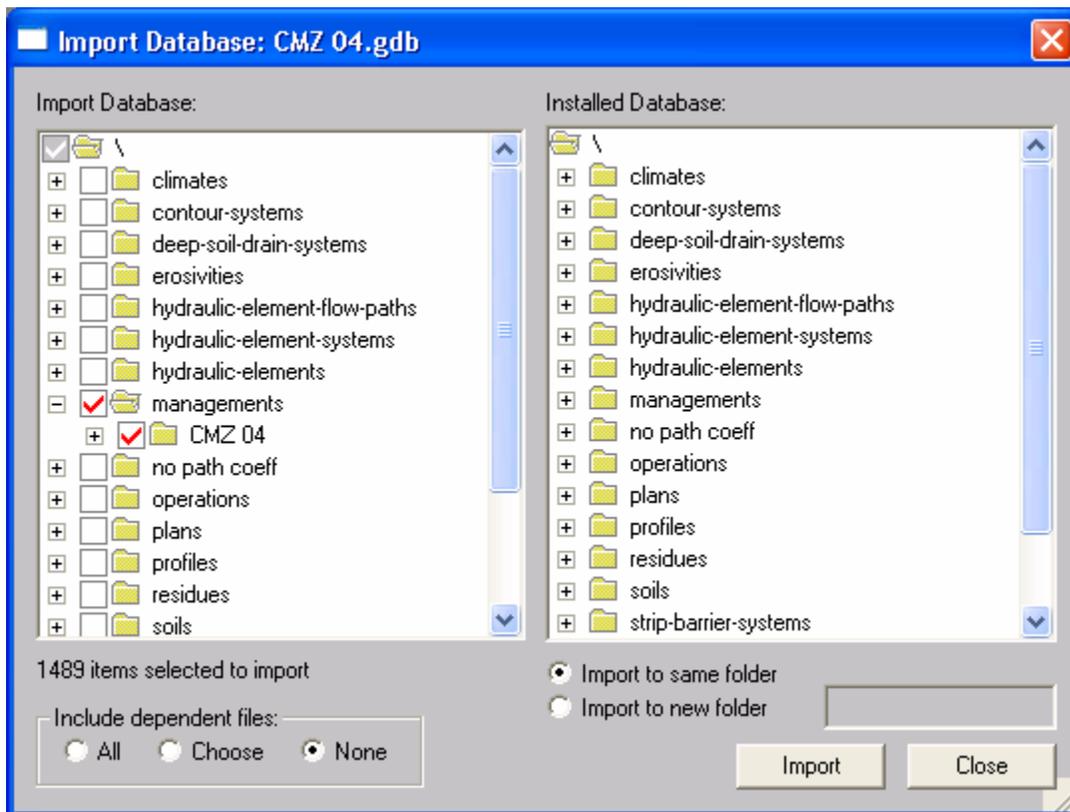
1. **The easiest way:** Do the database update to your existing MOSES database. If your CMZ and soils files are current, you are done.
2. If you need to import the new CMZ 1, CMZ 2 or CMZ4 files that you copied from the web site into your newly installed RUSLE2 program., follow these steps. Open the RUSLE2 program. From the toolbar on the top of the screen, click on “**Database**”. Then select “**import RUSLE2 database**”. You will get the screen shown below. It will automatically show “**import**” in the window. Using the “down arrow” in the right hand

corner of the box next to “import”, maneuver to the folder or CD where the CMZ files you want to import are located.



Now select the CMZ file that you need and click open.





Now on this screen (above) you need to select which data to import, so select **management** and click on CMZ 04 to import the file. **IMPORTANT:** Be sure to check "NONE" on dependent records during this import process. Leave the **Import to same folder** box clicked. Click Import button.

USE MOST RECENT MANAGERMENTS: Management templates for all CMZ's were recently revised using new vegetations. These revised Managements are posted on the RUSLE2 website by CMZ, with the date of posting shown to the left of the posted CMZ file. This is why you copied these files.

IMPORTING FROM YOUR PREVIOUS MOSES.GDB FILE

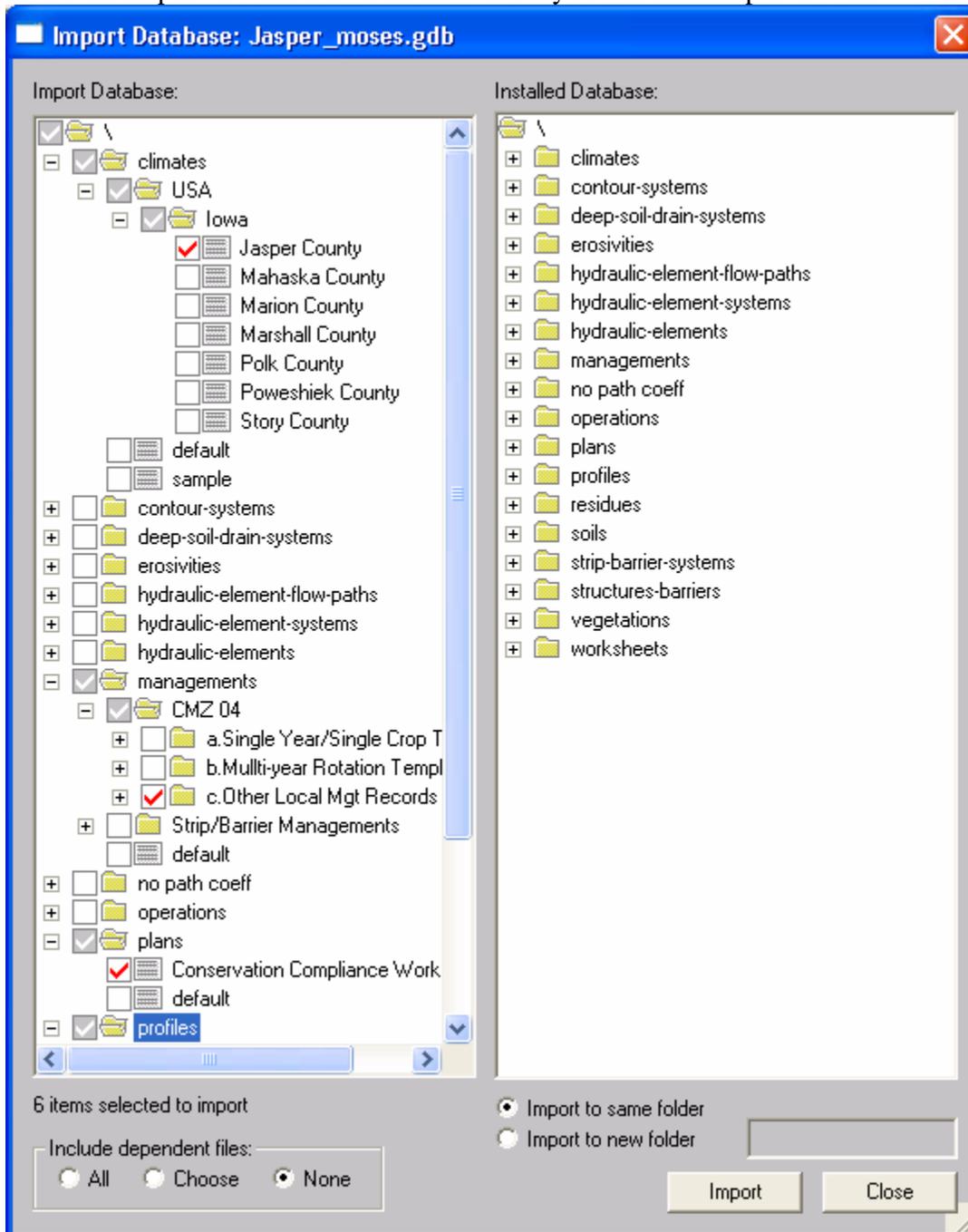
After you have imported the new CMZ file(s) into the management folder you can then import the Soils, Climates, the "c.) Other Local Management Records", and any Profiles, Worksheets and Plans from your archived moses.gdb database. **DO NOT** import the a) or b) folder from the old database, as this is the information that has been updated and replaced.

This can all be done in one import session by accessing your archived database file. At this point you should still be in the Rusle2 program. To do this click **Database/Import RUSLE2 database** on the toolbar, and maneuver to the location were your archived moses.gdb folder is located. (This is the same process you just used to import your managements). Click on this folder. You must now select only the appropriate files that you want to import into the new version of RUSLE2. Follow these steps below.

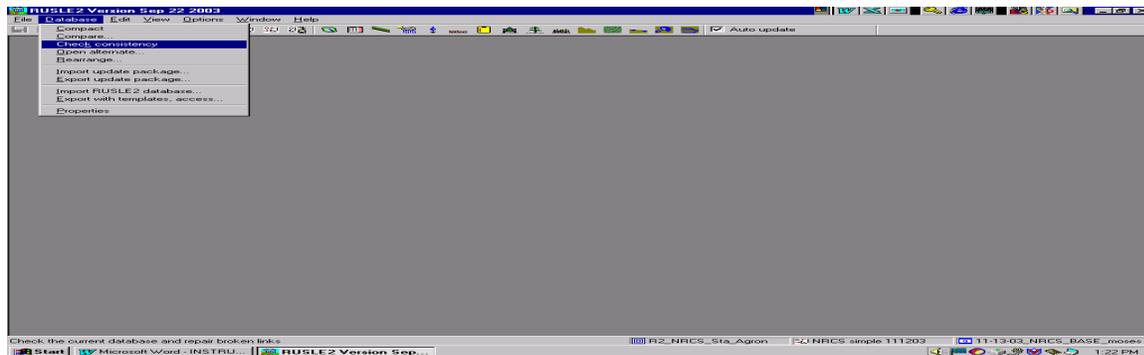
1. Climate/USA/Minnesota/select the counties that you need.
2. Management CMZ 1, 2, or 4: select only the files in the **c.) Other local management records** that you want to transfer.

3. Soils: select only the counties that you need. You do not need to select “generic or default”.
4. Plan: Select the plans (if any) that you want to import.
5. Profile: Select the profiles that you want to import.
6. Worksheet: Select the worksheets that you want to import.
7. **IMPORTANT:** Be sure to check "NONE" on dependent records during this import process, or obsolete Vegetations and Operations records will be imported, thus contaminating the new database with obsolete data.

Leave the Import to same folder clicked. Now you can click Import button.



DATABASE CONSISTENCY CHECK: Last, go to "**Database/"Check consistency"** on the toolbar (see picture below) and force RUSLE2 to do a thorough consistency check of the database. Attach any orphan records to the appropriate object. Do this after each database update also. Call Robin Martinek at 651-602-7866 with any database-related questions or problems.



IMPORTANT SHORTCUT NOTICE!

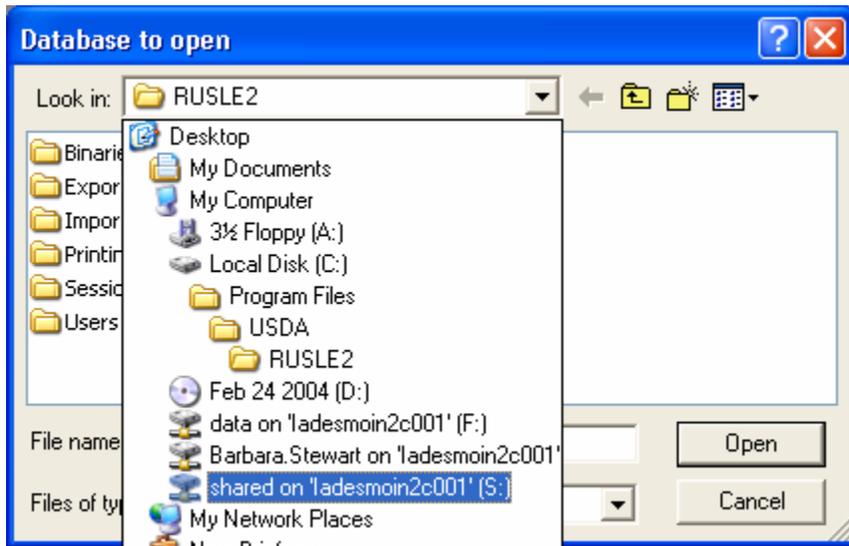
After you have installed the RUSLE2 program and recreated the mosses.gdb file be sure you delete any RUSLE2 shortcuts to your desktop and recreate them as well.

INSTALLATION OF RUSLE2 AT FIELD OFFICE FOR SHARED MOSES FILE!

(If this has not been done previously):

The RUSLE2 program must be installed on all PC intending to use the RUSLE2 for calculating soil loss. First import the appropriate database on one computer. (See IMPORTING DATABASE COMPONENTS INTO NEW BASE DATABASE, above). Once all of the databases are imported, the mosses.gdb file (located in the C:\Program Files\usda\Rusle2 folder) can be renamed to "(date)_moses.gdb". After renaming the file, create a folder on the server called RUSLE2. Copy the new (date)_moses.gdb to the RUSLE2 folder that you just created on the Server.

When the users on any computer in the field office open up their RUSLE2 program for the first time after it is installed, they need to go to **Database/Open Alternative** (on the toolbar) and locate the "(date)_moses.gdb" file located on the server. Highlight this database and click the "open" button. Nothing will happen on the screen, but in the very bottom right hand side of the screen, there will be a small square that says "(date)_moses.gdb". Now go to **Database/Startup database**. (Click on "startup database). A checkmark will appear next to the word "startup". This means that now whenever you open the program, it will automatically go to the "(date)_moses.gdb" file that is on the shared drive.



Once they have selected that file, click the “Open” button. Next, they need to go back to **Database/ Startup database** on the tool bar and select it.

Do this on each computer in the field office where Rusle2 has been installed.

Now every time the RUSLE2 program is started on a computer, it will go to this shared **Aug_04_moses.gdb** file that resides on the server. Several PCs can access the **Aug_04_moses.gdb** file at the same time and be working on RUSLE2 outputs. When they want to save a management file, plan, profile or worksheet it will be saved back to the shared moses.gdb file. (It is suggested that when an individual saves a file, they place their initial at the end of the file name so others in the FO know who modified that file last.)