


WinSLAMM Model Features and Navigation

PVA January 2022 WinSLAMM Virtual Training

1

SLAMM for Windows



SLAMM for Windows
Source Loading and Management Model
WinSLAMM Version 10.5

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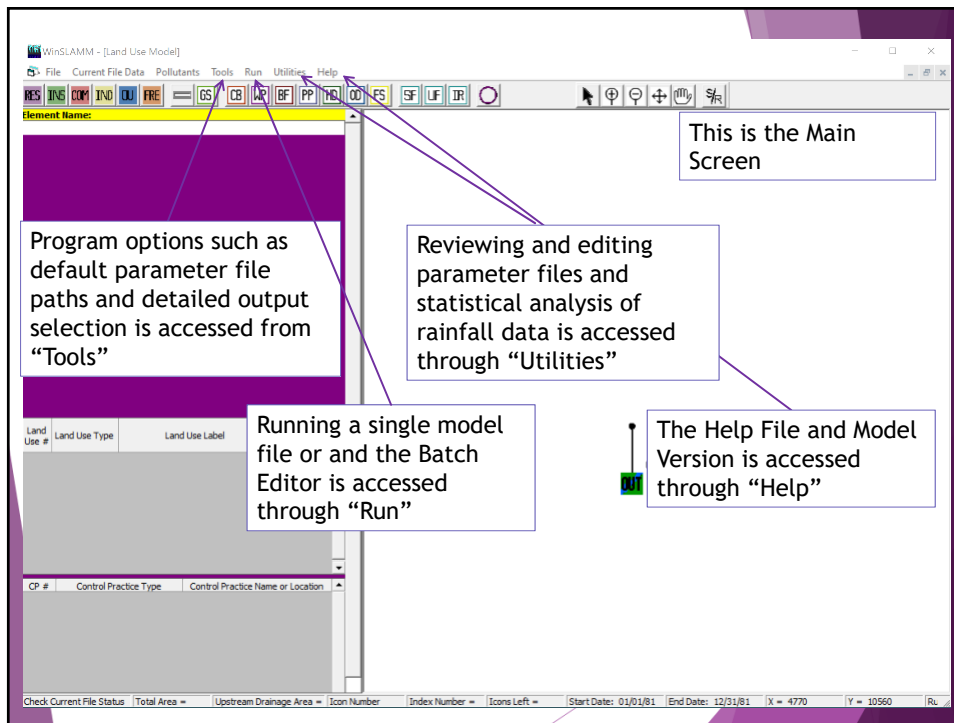
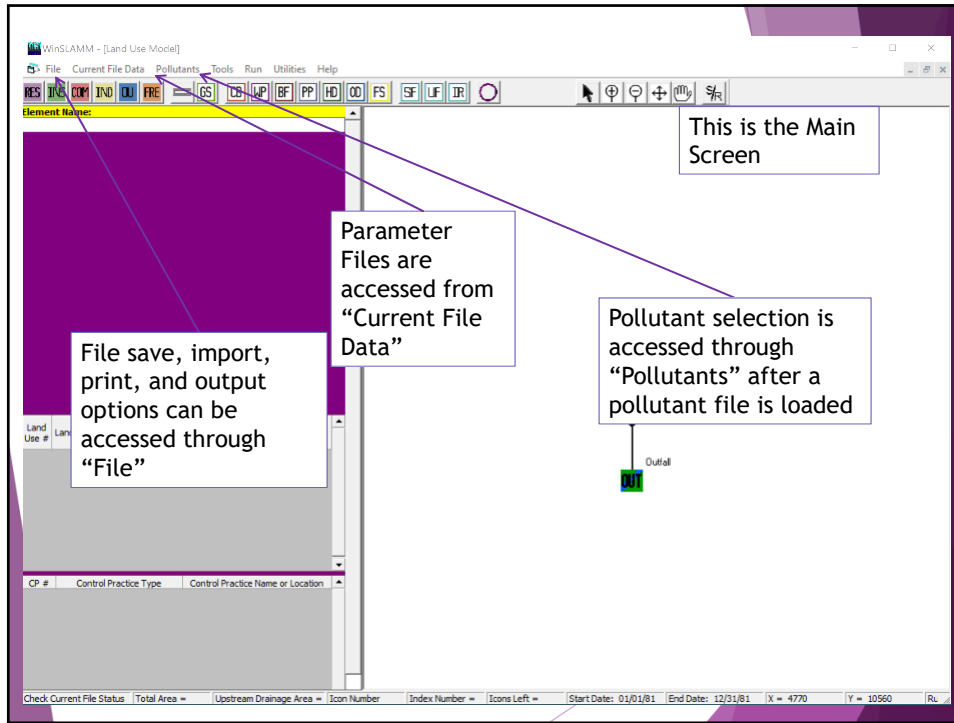
Doug Joachim
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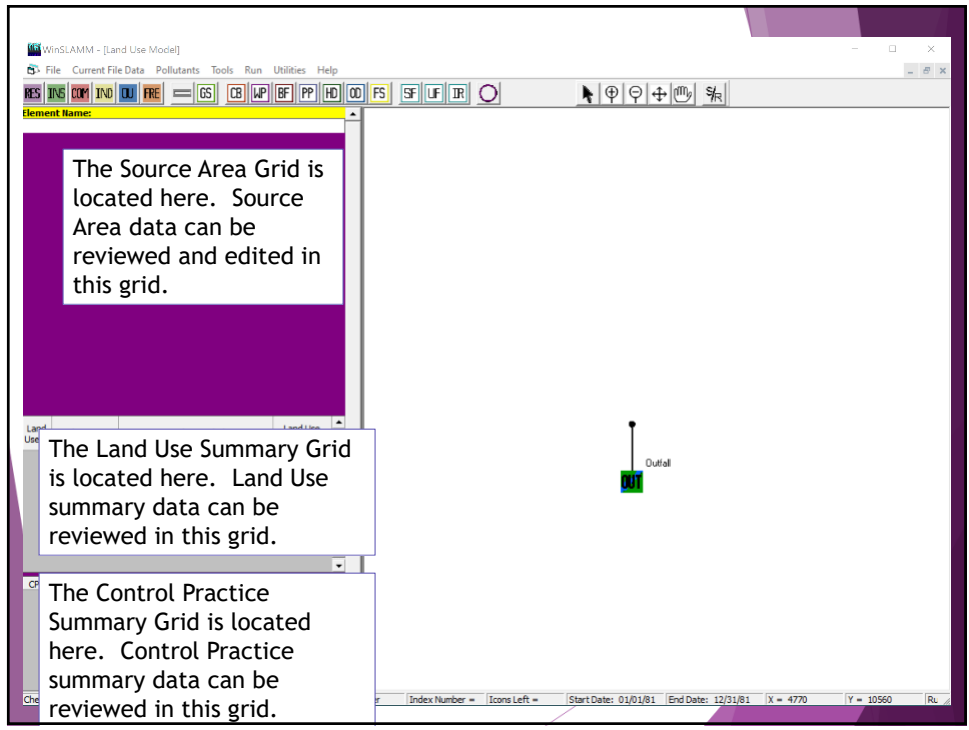
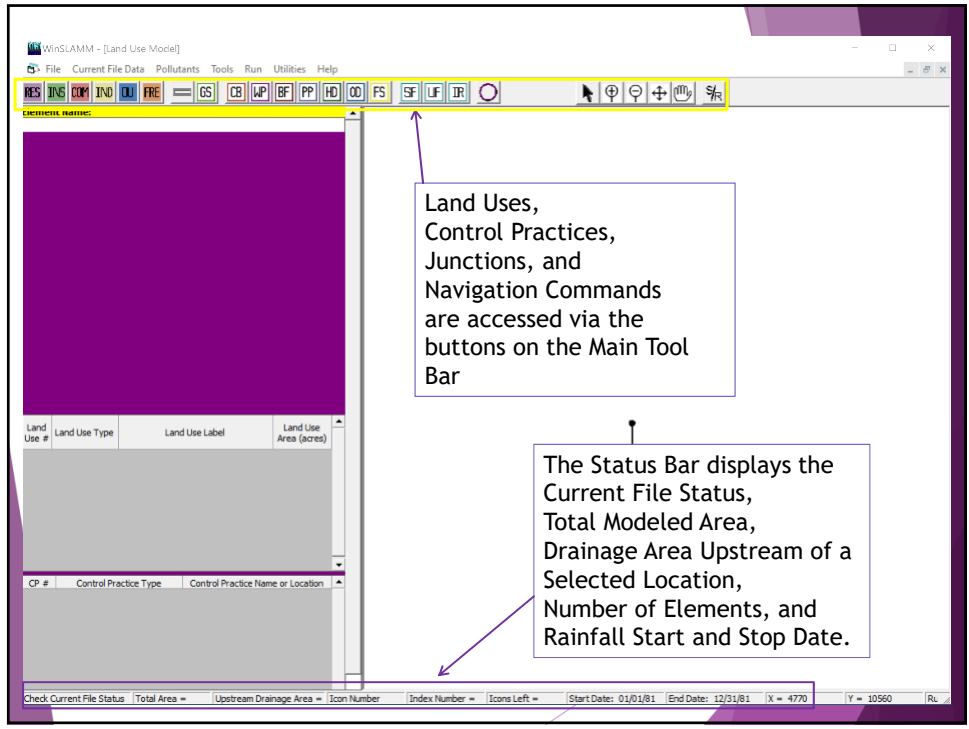
Select "Enter Main Screen" to enter the program.

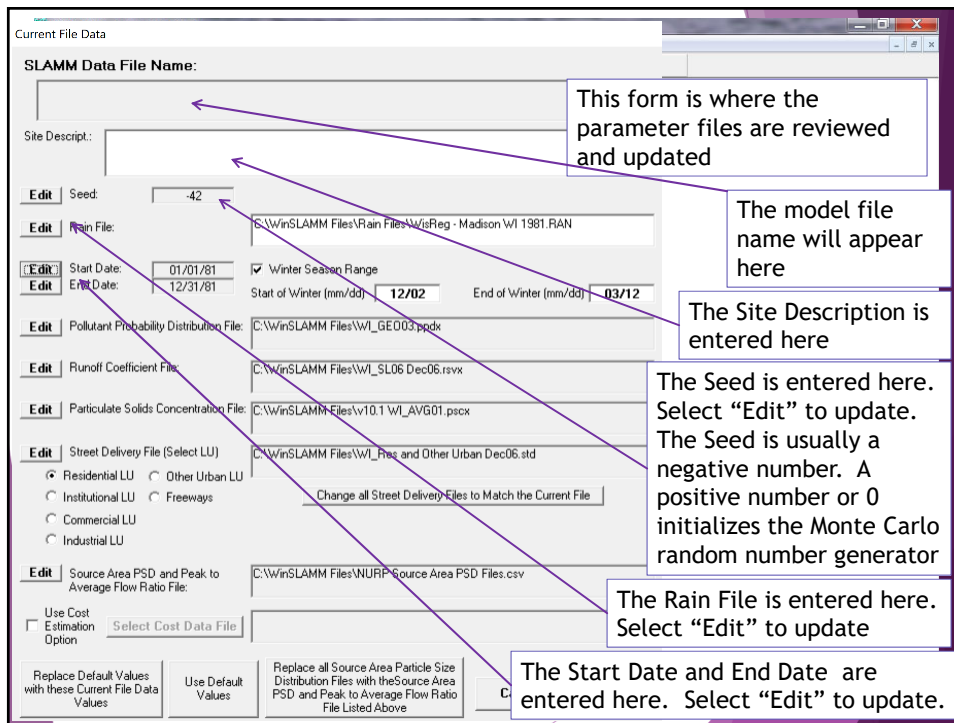
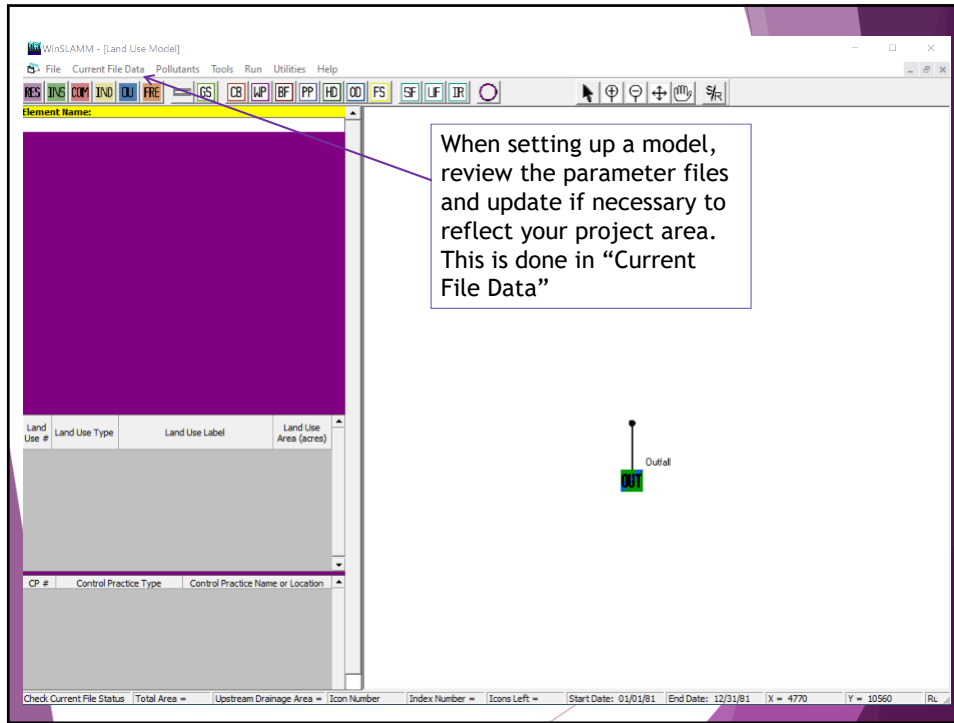
Exit Program

Enter Main Screen

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Current File Data

SLAMM Data File Name:

Site Descript:

Edit Seed: -42

Edit Rain File: C:\WinSLAMM Files\Rain Files\WisReg - Madison WI 1981.RAN

Edit Start Date: 01/01/81 Winter Season Range
Edit End Date: 12/31/81 Start of Winter (mm/dd) 12/02 End of Winter (mm/dd) 03/12

Edit Pollutant Probability Distribution File: C:\WinSLAMM Files\W1_GEO03.ppd

Edit Runoff Coefficient File: C:\WinSLAMM Files\W1_SL06 Dec06.rsvx

Edit Particulate Solids Concentration File: C:\WinSLAMM Files\W10.1 W1_AVG01.pscx

Edit Street Delivery File (Select LU)
 Residential LU Other Urban LU
 Institutional LU Freeways
 Commercial LU
 Industrial LU
 Change all Street Delivery Files to Match the Current File

Edit Source Area PSD and Peak to Average Flow Ratio File: C:\WinSLAMM Files\WURP Source Area PSD Files.csv

Use Cost Estimation Option Select Cost Data File

Replace Default Values with these Current File Data Values Use Default Values Replace all Source Area Particle Size Distribution Files with the Source Area PSD and Peak to Average Flow Ratio File Listed Above **Cancel** **Continue**

This form is where the parameter files are reviewed and updated

The Winter Season Date Range is entered here. Check the box and then enter the dates.

The Pollutant Probability Distribution File is entered here. Select "Edit" to update.

The Runoff Coefficient File is entered here. Select "Edit" to update.

The Particulate Solids Concentration File is entered here. Select "Edit" to update

Current File Data

SLAMM Data File Name:

Site Descript:

Edit Seed: -42

Edit Rain File: C:\WinSLAMM Files\Rain Files\WisReg - Madison WI 1981.RAN

Edit Start Date: 01/01/81 Winter Season Range
Edit End Date: 12/31/81 Start of Winter (mm/dd) 12/02 End of Winter (mm/dd) 03/12

Edit Pollutant Probability Distribution File: C:\WinSLAMM Files\W1_GEO03.ppd

Edit Runoff Coefficient File: C:\WinSLAMM Files\W1_SL06 Dec06.rsvx

Edit Particulate Solids Concentration File: C:\WinSLAMM Files\W10.1 W1_AVG01.pscx

Edit Street Delivery File (Select LU)
 Residential LU Other Urban LU
 Institutional LU Freeways
 Commercial LU
 Industrial LU
 Change all Street Delivery Files to Match the Current File

Edit Source Area PSD and Peak to Average Flow Ratio File: C:\WinSLAMM Files\WURP Source Area PSD Files.csv

Use Cost Estimation Option Select Cost Data File

Replace Default Values with these Current File Data Values Use Default Values Replace all Source Area Particle Size Distribution Files with the Source Area PSD and Peak to Average Flow Ratio File Listed Above **Cancel** **Continue**

This form is where the parameter files are reviewed and updated

The Street Delivery Files are entered here. Each land use has its own file. Select the radial button next to the land use and then select "Edit". This must be done for each land use.

If only one land use is being modeled, the "Change all Street Delivery Files..." can be selected. This will update all Street Delivery Files to be the one shown in the window.

Each source area has its own particle size distribution. To select the file with the appropriate project, select "Edit"

If Costs are to be calculated for each Control Practice modeled, check the box and select "Select Cost Data File"

This form is where the parameter files are reviewed and updated

If you are using the same parameter files for several projects, after you've updated the parameter files in this form, you can select "Replace Program Default Values with these Current File Data values". This will make the files shown in the form your default values for future model runs.

If you are starting a new model, or, you want to change the parameter files back to the default values, select "Use Default Values".

To use the default particle size distribution file, select "Replace all Particle Size Distribution Files with the Program Default file"

Select "Cancel" to leave the form without saving changes.

Select "Continue" to save changes and exit the form.

Buttons: Replace Default Values with these Current File Data Values, Use Default Values, Replace all Source Area Particle Size Distribution Files with the Source Area PSD and Peak to Average Flow Ratio File Listed Above, Cancel, Continue

Default default Parameter files or file paths can also be changed through Program Options. To access Program Options, select "Tools", then "Program Options"

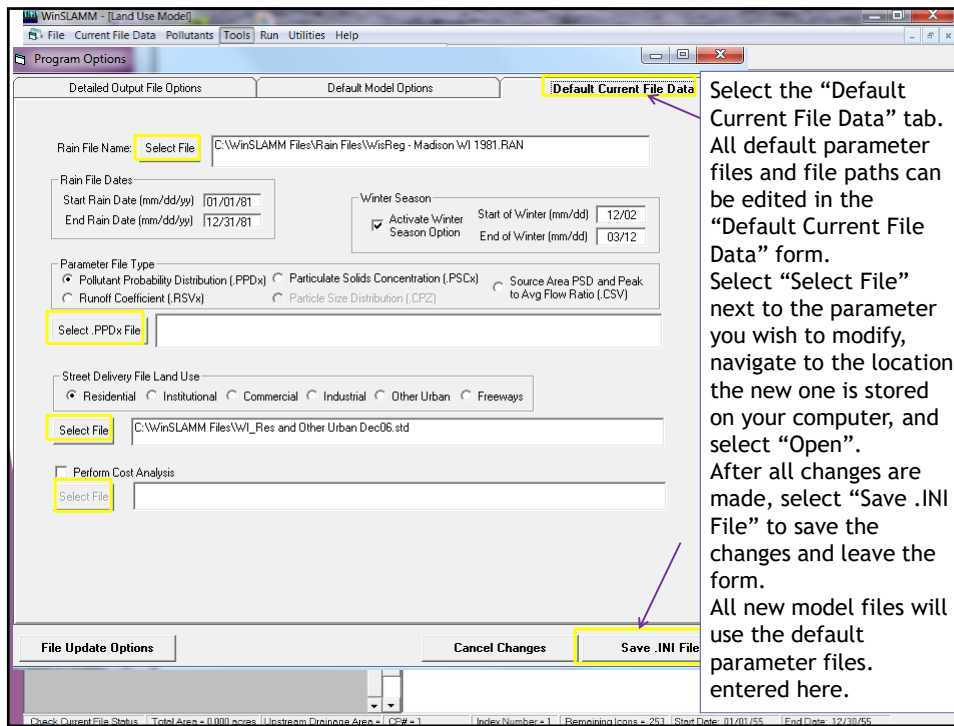
Menu: Tools, Run, Utilities, Help

Sub-menu: Access Cost Data, Pre-Development Runoff Volume, Program Options, Edit Source Area Default Variables, Create Land Uses from Data File, Image File

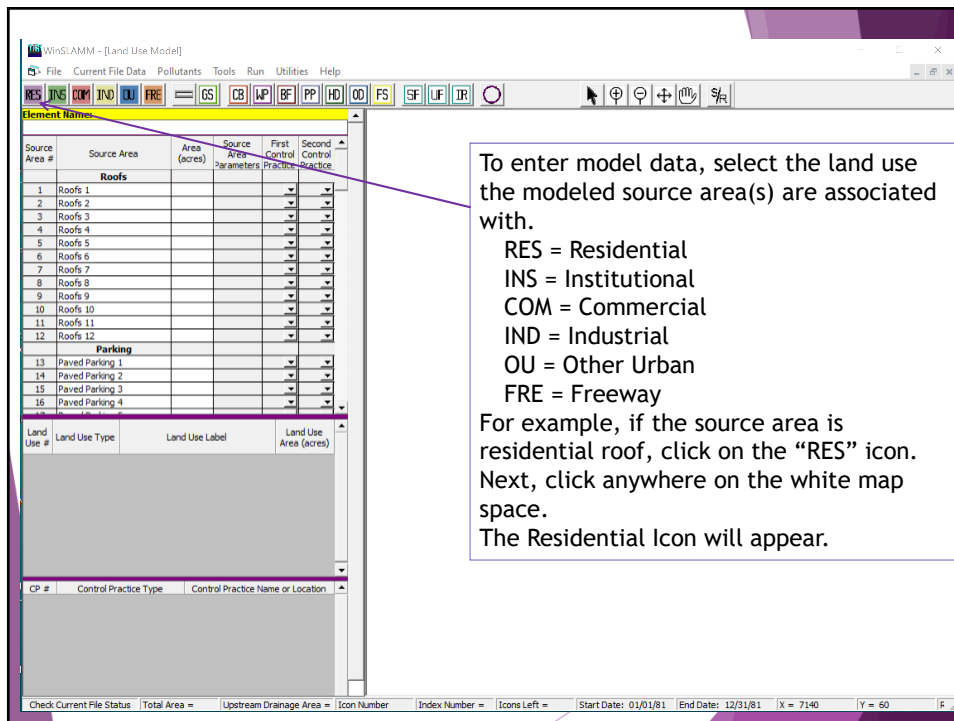
Land Use #	Land Use Type	Land Use Label	Land Use Area (acres)

CP #	Control Practice Type	Control Practice Name or Location

Status Bar: Check Current File Status | Total Area = | Upstream Drainage Area = | Icon Number = | Index Number = | Icons Left = | Start Date: 01/01/81 | End Date: 12/31/81 | X = 90 | Y = 0



Select the “Default Current File Data” tab. All default parameter files and file paths can be edited in the “Default Current File Data” form. Select “Select File” next to the parameter you wish to modify, navigate to the location the new one is stored on your computer, and select “Open”. After all changes are made, select “Save .INI File” to save the changes and leave the form. All new model files will use the default parameter files. entered here.



WinSLAMM - [Land Use Mode]

File Current File Data Pollutants Tools Run Utilities Help

RES INS COM IND OU FRE = GS CB LP BF PP HD OD FS SF UF IR O

Land Use:

Source Area #	Source Area	Area (acres)	Source Area Parameters	First Control Practice	Second Control Practice
Roofs 0.000					
1	Roofs 1				
2	Roofs 2				
3	Roofs 3				
4	Roofs 4				
5	Roofs 5				
6	Roofs 6				
7	Roofs 7				
8	Roofs 8				
9	Roofs 9				
10	Roofs 10				
11	Roofs 11				
12	Roofs 12				
Parking 0.000					
13	Paved Parking 1				
14	Paved Parking 2				
15	Paved Parking 3				
16	Paved Parking 4				
17	Paved Parking 5				
18	Paved Parking 6				

Land Use # Land Use Type Land Use Label Land Use Area (acres)

1	Residential	Residential 1	0.000
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CP # Control Practice Type Control Practice Name or Location

Check Current File Status | Total Area = 0.000 acres | Upstream Drainage Area = | LU# = 1 | Index Number = 1 | Remaining Icons = 253 | Start Date: 01/01/81 | End Date: 12/31/81 | X = 3780 | Y =

A junction is represented by the "O" icon in the main tool bar. Click on the "O", then click on the map space to add a junction.

Notice the "tails" of the icons. Each "tail" must be connected to a junction.

WinSLAMM - [Land Use Mode]

File Current File Data Pollutants Tools Run Utilities Help

RES INS COM IND OU FRE = GS CB LP BF PP HD OD FS SF UF IR O

Junction:

Junction #	Land Use Type	Land Use Label	Land Use Area (acres)
1	Residential		

CP # Control Practice Type Control Practice Name or Location

Check Current File Status | Total Area = 0.000 acres | Upstream Drainage Area = | Junc# = 1 | Index Number = 1 | Remaining Icons = 253 | Start Date: 01/01/81 | End Date: 12/31/81 | X = 4410 | Y =

To connect the Residential Land Use tail to the Junction, click and hold on the Residential Icon tail. While holding down, drag the tail over to the Junction Icon. Release the hold.

The Residential Icon is now connected to the Junction.

Add other land uses and connect them in a similar manner.

Each WinSLAMM model can analyze up to 255 Icons. An Icon is a Land Use, Junction, or Control Practice.

The status bar displays the number of Icons in each model file and the number of Icons remaining.

Source Area #	Source Area	Area (acres)	Source Area Parameters	First Control Practice	Second Control Practice
Roofs 0.000					
1	Roofs 1				
2	Roofs 2				
3	Roofs 3				
4	Roofs 4				
5	Roofs 5				
6	Roofs 6				
7	Roofs 7				
8	Roofs 8				
9	Roofs 9				
10	Roofs 10				
11	Roofs 11				
12	Roofs 12				
Parking 0.000					
13	Paved Parking 1				
14	Paved Parking 2				
15	Paved Parking 3				
16	Paved Parking 4				
17	Paved Parking 5				
18	Paved Parking 6				

Land Use # 1 Residential Residential 1

CP # Control Practice Type

Check Current File Status | Total Area = 0.000 acres | No Upstream Source Areas | LU# = 1 | Index Number = 1 | Remaining Icons = 253 | Start Date: 01/01/81 | End Date: 12/31/81 | X = 4590 | Y =

Each model file can only have one Outfall.

Each Icon must be routed to the Outfall.

To connect the Icons to the Outfall, click on the Outfall "tail" and drag it to the Junction just as you did for the Land Use tails.

Source Area #	Source Area	Area (acres)	Source Area Parameters	First Control Practice	Second Control Practice
Roofs 0.000					
1	Roofs 1				
2	Roofs 2				
3	Roofs 3				
4	Roofs 4				
5	Roofs 5				
6	Roofs 6				
7	Roofs 7				
8	Roofs 8				
9	Roofs 9				
10	Roofs 10				
11	Roofs 11				
12	Roofs 12				
Parking 0.000					
13	Paved Parking 1				
14	Paved Parking 2				
15	Paved Parking 3				
16	Paved Parking 4				
17	Paved Parking 5				
18	Paved Parking 6				

Land Use # 1 Residential Residential 1

Land Use Area (acres) 0.000

Remaining Icons = 253 | Start Date: 01/01/81 | End Date: 12/31/81 | X = 4755 | Y =

The Icons can be moved around and arranged by clicking on an Icon, holding, moving the Icon to its new location and releasing the hold.

Source Area #	Source Area	Area (acres)	Source Area Parameters	First Control Practice	Second Control Practice
Roofs					
1	Roofs 1				
2	Roofs 2				
3	Roofs 3				
4	Roofs 4				
5	Roofs 5				
6	Roofs 6				
7	Roofs 7				
8	Roofs 8				
9	Roofs 9				
10	Roofs 10				
11	Roofs 11				
12	Roofs 12				
Parking					
13	Paved Parking 1				
14	Paved Parking 2				
15	Paved Parking 3				
16	Paved Parking 4				
17	Paved Parking 5				
18	Paved Parking 6				

Land Use #	Land Use Type	Land Use Label	Land Use Area (acres)
1	Residential	Residential 1	0.000

To enter source area data, click on the Land Use Label associated with the Source Areas you want to enter. When the Label is clicked on (or selected), the name of the Land Use becomes bold and the source areas available in the land use appear in the Source Area Grid on the left side of the window.

Source Area #	Source Area	Area (acres)	Source Area Parameters	First Control Practice	Second Control Practice
Roofs					
1	Roofs 1				
2	Roofs 2				
3	Roofs 3				
4	Roofs 4				
5	Roofs 5				
6	Roofs 6				
7	Roofs 7				
8	Roofs 8				
9	Roofs 9				
10	Roofs 10				
11	Roofs 11				
12	Roofs 12				
Parking					
13	Paved Parking 1				
14	Paved Parking 2				
15	Paved Parking 3				
16	Paved Parking 4				
17	Paved Parking 5				
18	Paved Parking 6				

Land Use #	Land Use Type	Land Use Label	Land Use Area (acres)
1	Residential	Residential 1	0.000

WinSLAMM - [Land Use Model]

File Current File Data Pollutants Tools Run Utilities Help

MS INS DMV IND UJ FRE = GS CB WP BF PP HD OD FS SF LF IR

Land Use: Residential 1

Source Area #	Source Area	Area (acres)	Source Area Parameters	First Control Practice	Second Control Practice
Roofs					
1	Roofs 1	0.000			
2	Roofs 2				
3	Roofs 3				
4	Roofs 4				
5	Roofs 5				
6	Roofs 6				
7	Roofs 7				
8	Roofs 8				
9	Roofs 9				
10	Roofs 10				
11	Roofs 11				
12	Roofs 12				
Parking					
13	Paved Parking 1	0.000			
14	Paved Parking 2				
15	Paved Parking 3				
16	Paved Parking 4				
17	Paved Parking 5				
18	Paved Parking 6				

Land Use # Land Use Type Land Use Label Land Use Area (acres)

1	Residential	Residential 1	0.00
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CP # Control Practice Type Control Practice Name or Location

Check Current File Status | Total Area = 0.000 acres | No Upstream Source Areas | LU# = 1 | Index Number = 1 | Remaining Icons = 253 | Start Date: 01/01/81 | End Date: 12/31/81 | X = 4755 | Y =

Residential 1
Junction 1
Duffal

First, enter the area of the Source Area. Select the cell that intersects the Source Area label and Area.

WinSLAMM - [Land Use Model]

File Current File Data Pollutants Tools Run Utilities Help

MS INS DMV IND UJ FRE = GS CB WP BF PP HD OD FS SF LF IR

Land Use: Residential 1

Source Area #	Source Area	Area (acres)	Source Area Parameters	First Control Practice	Second Control Practice
Roofs					
1	Roofs 1	0.000			
2	Roofs 2				
3	Roofs 3				
4	Roofs 4				
5	Roofs 5				
6	Roofs 6				
7	Roofs 7				
8	Roofs 8				
9	Roofs 9				
10	Roofs 10				
11	Roofs 11				
12	Roofs 12				
Parking					
13	Paved Parking 1	0.000			
14	Paved Parking 2				
15	Paved Parking 3				
16	Paved Parking 4				
17	Paved Parking 5				
18	Paved Parking 6				

Land Use # Land Use Type Land Use Label Land Use Area (acres)

1	Residential	Residential 1	0.000
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CP # Control Practice Type Control Practice Name or Location

Check Current File Status | Total Area = 0.000 acres | No Upstream Source Areas | LU# = 1 | Start Date: 01/01/81 | End Date: 12/31/81 | X = 4755 | Y =

Residential 1
Junction 1
Duffal

Enter the area of the Source Area in acres.

Select "Enter" on your keyboard to move to the next cell under "Source Area Parameters".

Select "Enter" again to enter the Source Area Parameter data.

Enter the data that describes the source area. Select "Continue" to leave the form.

Source Area Parameters

Land Use: Residential 1 Total Area: 4.200 acres

Source Area: Roof 1

Roofs: Flat Roof Pitched Roof

Is the Source Area:

Directly Connected or Draining to a Directly Connected Area

Percent of Source Area with Deciduous Tree Canopy

Percent of Source Area with Coniferous Tree Canopy

Draining to a Pervious Area (partially connected impervious area)

Soil Type: Normal Sandy Silty Clayey

Moderately Compacted Sandy Silty Clayey

Severely Compacted Sandy Silty Clayey

Building Density: Low Medium or High

Alleys present: Yes No

Source Area Particle Size Distribution File:

Select File: C:\WinSLAMM Files\NURP.cpz

Continue

Enter the data that describes the source area. Select "Continue" to leave the form.

Street Source Area Parameters

Land Use: Residential 1 Total Area: 4.200 acres

Source Area: Streets 1

Enter -> Total Street Length (miles): 0.9600 Street Edges: 1 2 3 4

Or -> Paved Street width (ft): 36.09

Total Street Edge Length (edge-miles): 1.92

Street Texture

1. Smooth 2. Intermediate 3. Rough 4. Very Rough (including oil and screens)

Street Dirt Accumulation

1. Use value calculated by program based upon land use and street texture

2. Enter accumulation equation coefficients

Equation Form: $y = mx + b$ where m = Accumulation Rate $m = 15$

y = loading (lbs/curb mile) b = Intercept Load, $x=0$ $b = 225$

x = time (days) C = Maximum Load $C = 1500$

Initial Street Dirt Loading (lbs/curb-mi)

1. Use value calculated by program based upon land use and street texture

2. Specify value: 0.00

Percent of Street Source Area with Deciduous Tree Canopy

Percent of Street Source Area with Coniferous Tree Canopy

Source Area Particle Size Distribution File:

Select File: C:\WinSLAMM Files\NURP.cpz

Initial Street Dirt Loading at End of Winter Season (lbs/curb-mi): 2500

WinSLAMM v 10 Data File: (F:\Encommon\WinSLAMM\2022 Virtual Training\Examples\ModelFiles\01a_BaseConditions.mdb) - [Land Use Model]

File Current File Data Pollutants Tools Run Utilities Help

RES INS COM IND LU FRE GS CB WP BF PP HD OD FS SF LF IR

Land Use:

Source Area #	Source Area	Area (acres)	Source Area Parameters	First Control Practice	Second Control Practice
Roofs					
1	Roofs 1	4.770	Entered	--	--
2	Roofs 2				
3	Roofs 3				
4	Roofs 4				
5	Roofs 5				
6	Roofs 6				
7	Roofs 7				
8	Roofs 8				
9	Roofs 9				
10	Roofs 10				
11	Roofs 11				
12	Roofs 12				
Parking					
13	Paved Parking 1	0.000			
14	Paved Parking 2				
15	Paved Parking 3				
16	Paved Parking 4				
17	Paved Parking 5				
18	Paved Parking 6				

Land Use # Land Use Type Land Use Label Land Use Area (acres)

1	Residential	Residential 1	4.770
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CP # Control Practice Type Control Practice Name or Location

Check Current File Status Total Area = 4.770 acres No Upstream Source Areas LU# = 1 Index Number = 1 Remaining Icons = 253 Start Date: 01/01/81 End Date: 12/31/81 X = 5025 Y =

Use the scroll bar to move up and down in the grid to add more data.

WinSLAMM v 10 Data File: (F:\Encommon\WinSLAMM\2022 Virtual Training\Examples\ModelFiles\01a_BaseConditions.mdb) - [Land Use Model]

File Current File Data Pollutants Tools Run Utilities Help

RES INS COM IND LU FRE GS CB WP BF PP HD OD FS SF LF IR

Land Use:

Source Area #	Source Area	Area (acres)	Source Area Parameters	First Control Practice	Second Control Practice
Roofs					
1	Roofs 1	4.770	Entered	--	--
2	Roofs 2				
3	Roofs 3				
4	Roofs 4				
5	Roofs 5				
6	Roofs 6				
7	Roofs 7				
8	Roofs 8				
9	Roofs 9				
10	Roofs 10				
11	Roofs 11				
12	Roofs 12				
Parking					
13	Paved Parking 1	0.000			
14	Paved Parking 2				
15	Paved Parking 3				
16	Paved Parking 4				
17	Paved Parking 5				
18	Paved Parking 6				

Land Use # Land Use Type Land Use Label Land Use Area (acres)

1	Residential	Residential 1	4.770
---	-------------	---------------	-------

CP # Control Practice Type Control Practice Name or Location

Check Current File Status Total Area = 4.770 acres No Upstream Source Areas LU# = 1 Index Number = 1 Remaining Icons = 253 Start Date: 01/01/81 End Date: 12/31/81 X = 5025 Y =

Notice the Source Area Total Areas, Land Use Area, and Total Model Area are updated with the information entered. These totals will automatically update as more information is added.

WinSLAMM v 10 Data File: (F:\Common\WinSLAMM\2022 Virtual Training\Examples\ModelFiles\01a_BaseConditions.mdb) - [Land Use Model]

File Current File Data Pollutants Tools Run Utilities Help

RES INS COM INO UI FRE = GS LB LP BF PP HD OD FS SF LF IR

Land Use: Residential 1

Source Area #	Source Area	Area (acres)	Source Area Parameters	First Control Practice	Second Control Practice
Roofs					
1	Roofs 1	4.770	Entered	--	--
2	Roofs 2				
3	Roofs 3				
4	Roofs 4				
5	Roofs 5				
6	Roofs 6				
7	Roofs 7				
8	Roofs 8				
9	Roofs 9				
10	Roofs 10				
11	Roofs 11				
12	Roofs 12				
Parking					
13	Paved Parking 1	0.000			
14	Paved Parking 2				
15	Paved Parking 3				
16	Paved Parking 4				
17	Paved Parking 5				
18	Paved Parking 6				

Land Use # 1 Residential Residential 1 Land Use Area (acres) 4.770

CP # Control Practice Type Control Practice Name or Location

Check Current File Status Total Area = 4.770 acres No Upstream Source Areas LU# = 1 Index Number = 1 Remaining Icons = 253 Start Date: 01/01/81 End Date: 12/31/81 X = 5025 Y =

To view or add Pollutants to be analyzed, select "Pollutants".

WinSLAMM - [Land Use Model]

File Current File Data Pollutants Tools Run Utilities Help

RES INS COM INO UI FRE = GS LB LP BF PP HD OD FS SF LF IR

Land Use: Residential 1

Source Area #	Source Area	Area (acres)	Source Area Parameters	First Control Practice	Second Control Practice
Roofs					
1	Roofs 1	1.000	Entered	--	--
2	Roofs 2				
3	Roofs 3				
4	Roofs 4				
5	Roofs 5				
6	Roofs 6				
7	Roofs 7				
8	Roofs 8				
9	Roofs 9				
10	Roofs 10				
11	Roofs 11				
12	Roofs 12				
Parking					
13	Paved Parking 1	0.000			
14	Paved Parking 2				
15	Paved Parking 3				
16	Paved Parking 4				
17	Paved Parking 5				
18	Paved Parking 6				
19	Unpaved Parking 1				
20	Unpaved Parking 2				
21	Unpaved Parking 3				
22	Unpaved Parking 4				
23	Unpaved Parking 5				
24	Unpaved Parking 5				
Driveways/Sidewalks					
		0.000			

Land Use # 1 Residential Residential 1 Land Use Area (acres) 1.000

CP # Control Practice Type Control Practice Name or Location

Pollutant Selection

	Particulate	Filterable	Total
Solids	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Phosphorus	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nitrates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TKN	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CDD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fecal Coliform Bacteria	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chromium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Copper	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lead	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Zinc	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cadmium (ug/L)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pyrene	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other 3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other 4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other 5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other 6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The pollutants listed above are in the file C:\WINSLAMM FILES\WJ_GEO03.PPDx

Select a pollutant to evaluate it.

Select All Clear All Continue

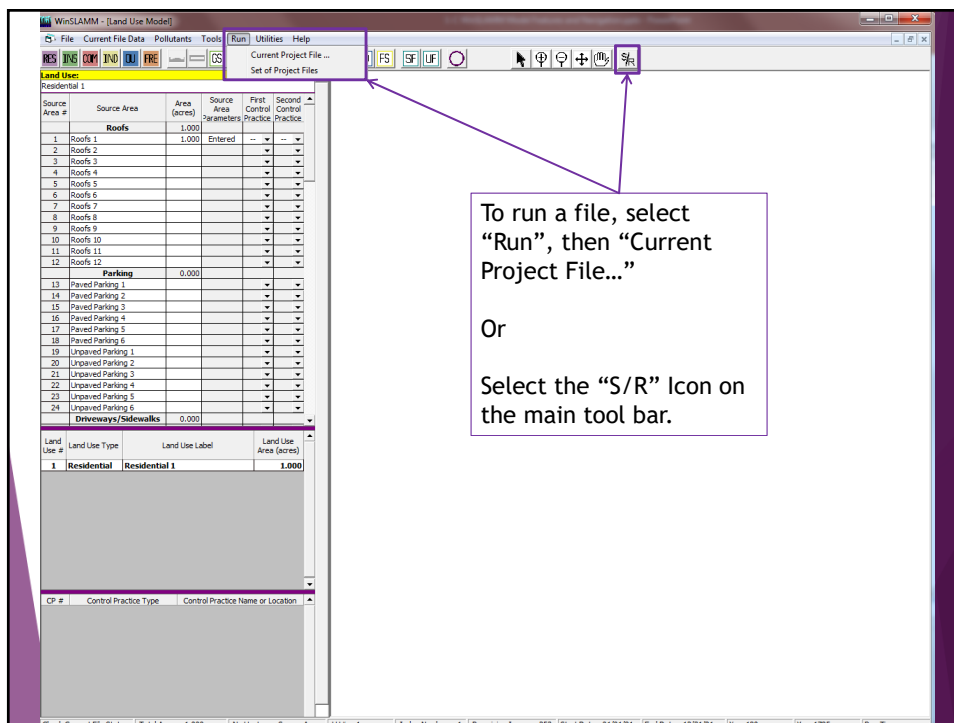
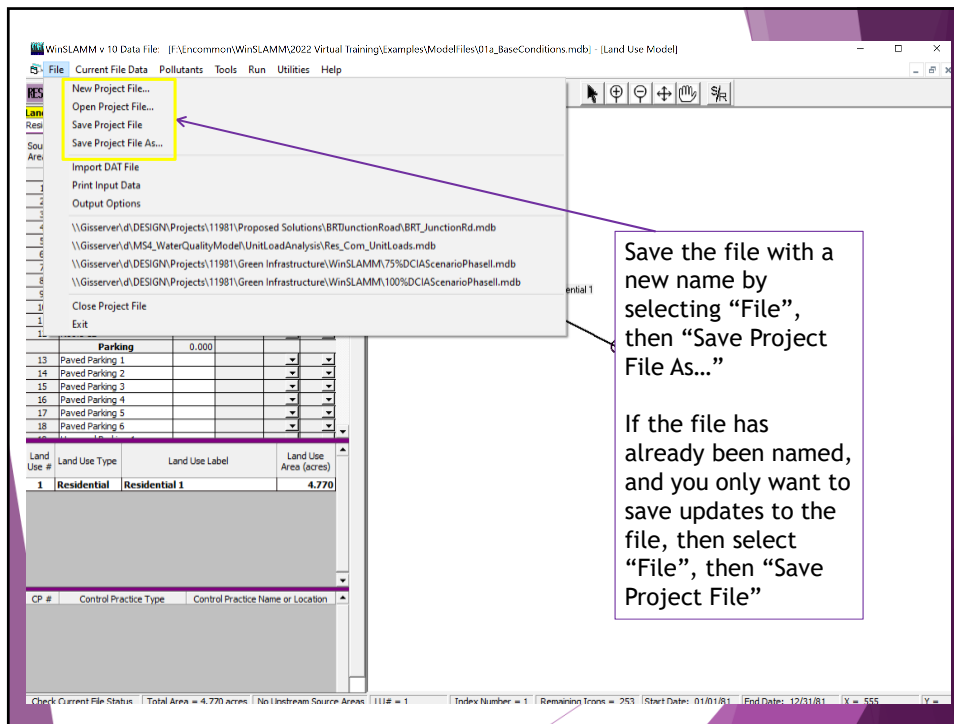
Check the boxes next to the pollutants you would like to analyze. Particulate Solids will always be checked.

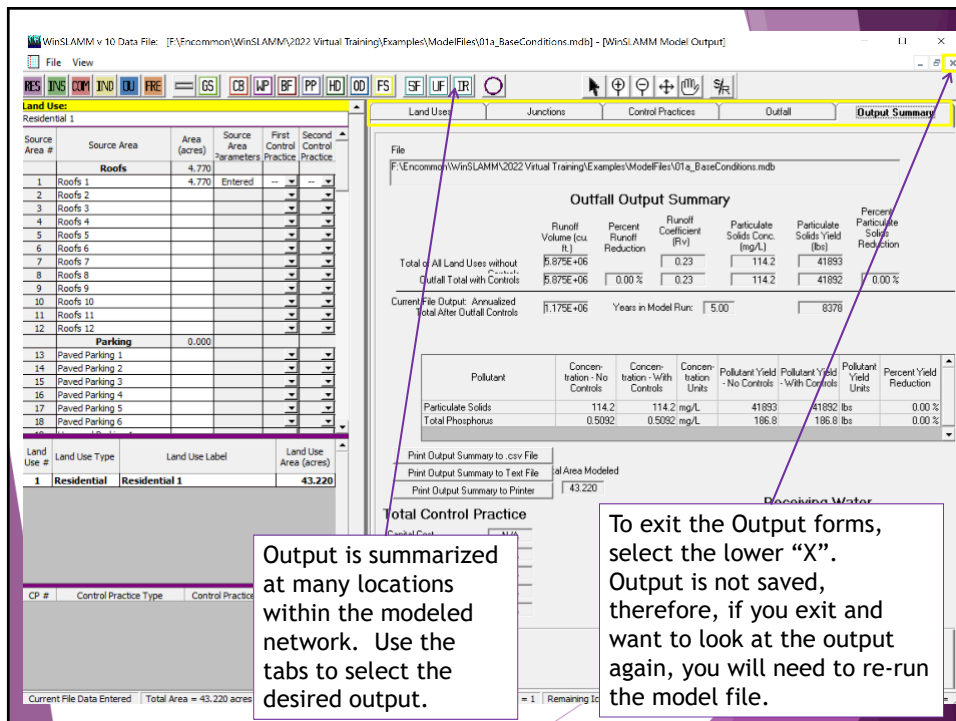
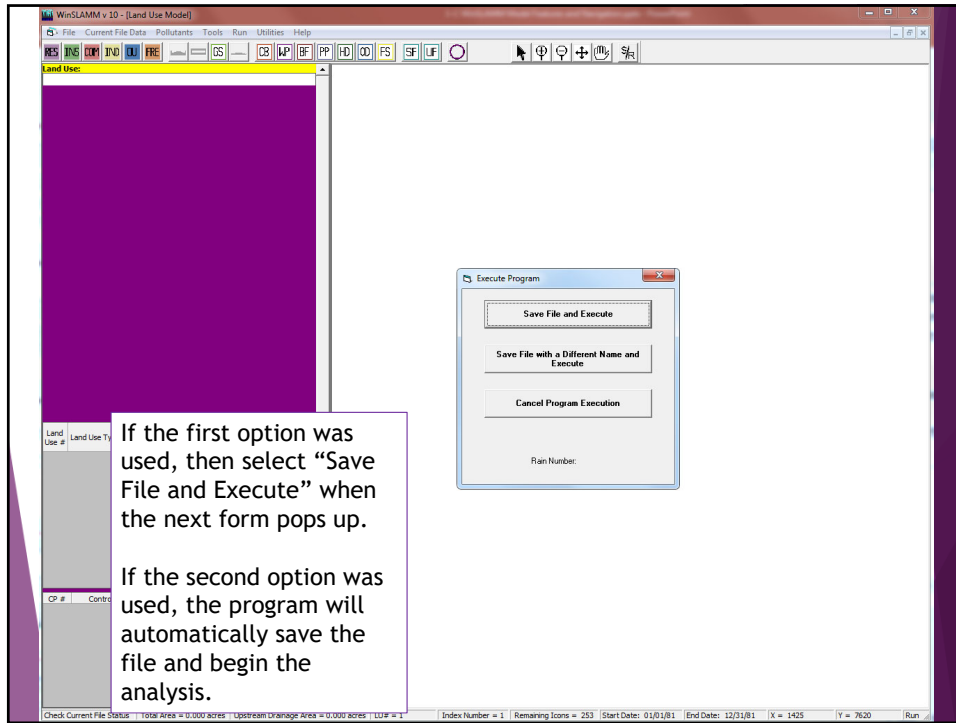
The pollutants available for selection are those included in the *.ppdx file chosen.

To select all pollutants, select the radial button next to "Select All".

Select "Continue" when finished.

Check Current File Status Total Area = 1.000 acres No Upstream Source Areas LU# = 1 Index Number = 1 Remaining Icons = 253 Start Date: 01/01/81 End Date: 12/31/81 X = 255 Y = 1950 Run Time =





WinSLAMM v 10 Data File: [F:\Common\WinSLAMM\2022 Virtual Training\Examples\ModelFiles\01a_BaseConditions.mdb] - [Land Use Model]

File Current File Data Pollutants Tools Run Utilities Help

RES INS COM INO LU FRE GS CB LP BF PP HD OD FS SF LF IR

Land Use:

Source Area #	Source Area	Area (acres)	Source Area Parameters	First Control Practice	Second Control Practice
Roofs					
1	Roofs 1	4.770	Entered	--	--
2	Roofs 2				
3	Roofs 3				
4	Roofs 4				
5	Roofs 5				
6	Roofs 6				
7	Roofs 7				
8	Roofs 8				
9	Roofs 9				
10	Roofs 10				
11	Roofs 11				
12	Roofs 12				
Parking					
13	Paved Parking 1	0.000			
14	Paved Parking 2				
15	Paved Parking 3				
16	Paved Parking 4				
17	Paved Parking 5				
18	Paved Parking 6				

Expand Source Area List
Collapse Source Area List
Show Active Source Areas Only

RES Residential 1

Certain aspects of the Main Window can be customized to allow for easier viewing of entered data.
To collapse or expand the Source Area data:

- Right click on the grid and select the appropriate command, or
- Double click on the Source Area major headings.

Current File Data Entered | Total Area = 43.220 acres | No Upstream Source Areas | LU# = 1 | Index Number = 1 | Remaining Icons = 253 | Start Date: 01/02/80 | End Date: 01/01/85 | X = 5235 | Y =

WinSLAMM v 10 Data File: [F:\Common\WinSLAMM\2022 Virtual Training\Examples\ModelFiles\01a_BaseConditions.mdb] - [Land Use Model]

File Current File Data Pollutants Tools Run Utilities Help

RES INS COM INO LU FRE GS CB LP BF PP HD OD FS SF LF IR

Land Use:

Source Area #	Source Area	Area (acres)	Source Area Parameters	First Control Practice	Second Control Practice
Roofs					
1	Roofs 1	4.770	Entered	--	--
2	Roofs 2				
3	Roofs 3				
4	Roofs 4				
5	Roofs 5				
6	Roofs 6				
7	Roofs 7				
8	Roofs 8				
9	Roofs 9				
10	Roofs 10				
11	Roofs 11				
12	Roofs 12				
Parking					
13	Paved Parking 1	0.000			
14	Paved Parking 2				
15	Paved Parking 3				
16	Paved Parking 4				
17	Paved Parking 5				
18	Paved Parking 6				

RES Residential 1

Junction 1

Hover over the purple dividers, wait for the double arrow, then click and drag the divider to the desired location.

Check Current File Status | Total Area = 4.770 acres | No Upstream Source Areas | LU# = 1 | Index Number = 1 | Remaining Icons = 253 | Start Date: 01/01/81 | End Date: 12/31/81 | X = 5025 | Y =

There are two other tabs that may be accessed often from Tools.

One tab is the Default Model Options tab. Use this to change many of the defaults in the program such as Warning Messages, Time Steps, and using the "Other Device" for off-site runoff calculations.

Select "Save .INI File" to save your changes and exit the form.

Month	Temperature (degrees F)
January	40
February	45
March	50
April	55
May	60
June	65
July	65
August	60
September	50
October	40
November	35
December	35

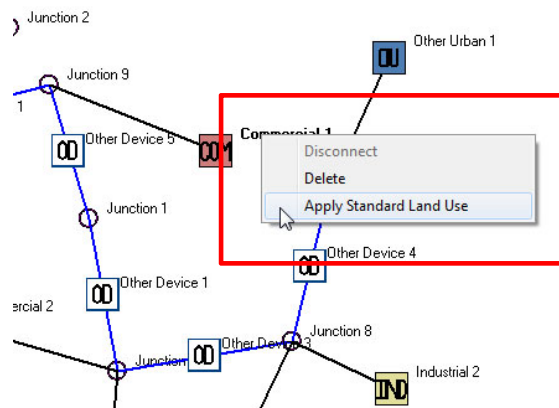
Another tab is the "Detailed Output File Options" Tab.

There may be times where more detailed output is needed. Select the detailed output desired.

Then select "Save .INI File" to save your changes and exit the form.

A *.csv file with the output will be generated when the model file is run. It will be saved in the same project directory as the WinSLAMM model file.

Standard Land Uses



To Access a Standard Land Use, select an Icons' Land Use Label, right-mouse click to get the pop-up menu, and then select the 'Apply Standard Land Use' option

Applying Standard Land Use data to a Land Use

The screenshot shows a software dialog box titled "Apply Standard Land Use (SLU) Data to a Land Use". It is divided into several sections:

- Land Use Types Available:** A list box containing "Office Park - OFFPARK", "Strip Commercial - STRIPCOM", "Downtown Commercial - DOWNTOWN" (highlighted in blue), and "Shopping Center - SHOPCENT". A red arrow points to this list with the text "1 - Double-click on the desired SLU".
- Source Area Name:** A list box containing various area types and their corresponding areas in acres, such as "Directly Connected Flat Roofs 40.73", "Directly Connected Paved Parking 23.01", "Directly Connected Driveways 1.48", "Directly Connected Sidewalks 8.35", "Street Areas 1 19.96", "Street Areas 2 2.21", "Small Landscaped Areas 3.56", "Other Pervious Areas 0.62", and "Other Partially Connected Impervious Areas 0.08".
- Selected Land Use Type:** A text field showing "Downtown Commercial - DOWNTOWN". To its right, the "Total Area:" is displayed as "100.000".
- Soil Type Allocation:** Three input fields for soil types:
 - "Area of Land Use with Sandy Soils (ac):" with the value "23.5" entered.
 - "Area of Land Use with Silty Soils (ac):" with the value "10.3" entered.
 - "Area of Land Use with Clayey Soils (ac):" which is empty.
 A red arrow points to these fields with the text "2 - Enter the area of each soil type".
- Buttons:** At the bottom right, there are two buttons: "Create Land Use and Exit" (highlighted with a red arrow) and "Exit".

3 - Press the 'Create Land Use and Exit' button

Standard Land Use Source Areas applied to the Downtown Commercial Land Use

Source Area #	Source Area	Area (acres)	Source Area Parameters	First Control Practice	Second Control Practice
Roofs					
1	Roofs 1	13.767	Entered	--	--
Parking					
13	Paved Parking 1	7.777	Entered	--	--
Driveways/Sidewalks					
25	Driveways 1	3.522	Entered	--	--
31	Sidewalks 1	2.822	Entered	--	--
Streets					
37	Streets 1	6.746	Entered	--	--
38	Streets 2	0.747	Entered	--	--
Landscaped Areas					
51	Small Landscaped Areas 1	0.837	Entered	--	--
52	Small Landscaped Areas 2	0.367	Entered	--	--
Other Areas					
71	Other Previous Areas 1	0.146	Entered	--	--
72	Other Previous Areas 2	0.064	Entered	--	--
78	Other Part Con Imp Areas 1	0.019	Entered	--	--
79	Other Part Con Imp Areas 2	0.008	Entered	--	--

Land Use #	Land Use Type	Land Use Label	Land Use Area (acres)
1	Commercial	Downtown Commercial	33.800
2	Commercial	Commercial 3	1.000
3	Institutional	Institutional 1	1.000
4	Commercial	Commercial 3	1.000
5	Industrial	Industrial 1	1.000
6	Industrial	Industrial 2	1.000
7	Other Urban	Other Urban 1	1.000

CP #	Control Practice Type	Control Practice Name or Location
1	Other Device	Other Device 1
2	Other Device	Other Device 3
3	Other Device	Other Device 4

All Standard Land Uses are stored in an Access Database

LandUseType	Streets1	Texture	LandUseTypeNumber	StandardLandUseCode	StandardLandUseDescription	Roof	FlatDirectlyConnected	Roof_Fla
Residential	Smooth		1	SDBK	Suburban Residential			0
Residential	Smooth		1	HDRWA	High Density Res. with Alleys			0
Residential	Smooth		1	HDRNA	High Density Res. No Alleys			0
Residential	Smooth		1	MOBH	Mobile Homes			16.9
Residential	Intermediate		1	DUPLEX	Duplex			0
Residential	Smooth		1	MDRNA	Medium Density Res. No Alleys			0
Residential	Intermediate		1	MDRWA	Medium Density Res. With Alleys			0
Residential	Smooth		1	MFR	Multi Family Residential			3.4
Residential	Smooth		1	LDR	Low Density Residential			0
Residential	Smooth		1	HRR	High Rise Residential			19
Institutional	Smooth		2	INST	Misc. Institutional			5.39
Institutional	Smooth		2	SCH	Schools			15
Institutional	Smooth		2	HOSP	Hospital			31.8
Commercial	Smooth		3	OFFPARK	Office Park			13.17
Commercial	Smooth		3	STRPCOM	Strip Commercial			19.7
Commercial	Smooth		3	DOWNTOWN	Downtown Commercial			40.73
Commercial	Smooth		3	SHOPCENT	Shopping Center			21.61
Industrial	Smooth		4	LI	Light Industrial			20.51
Industrial	Smooth		4	MI	Medium Industrial			16.8
OpenSpace	Smooth		5	CEM	Cemetery			0.55
OpenSpace	Smooth		5	OPEN	Open Space			0.55
OpenSpace	Smooth		5	PARK	Parks			0.1

For additional model information, go to
www.winslamm.com

*Remember to Press the “F1” to access the
Help File*

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