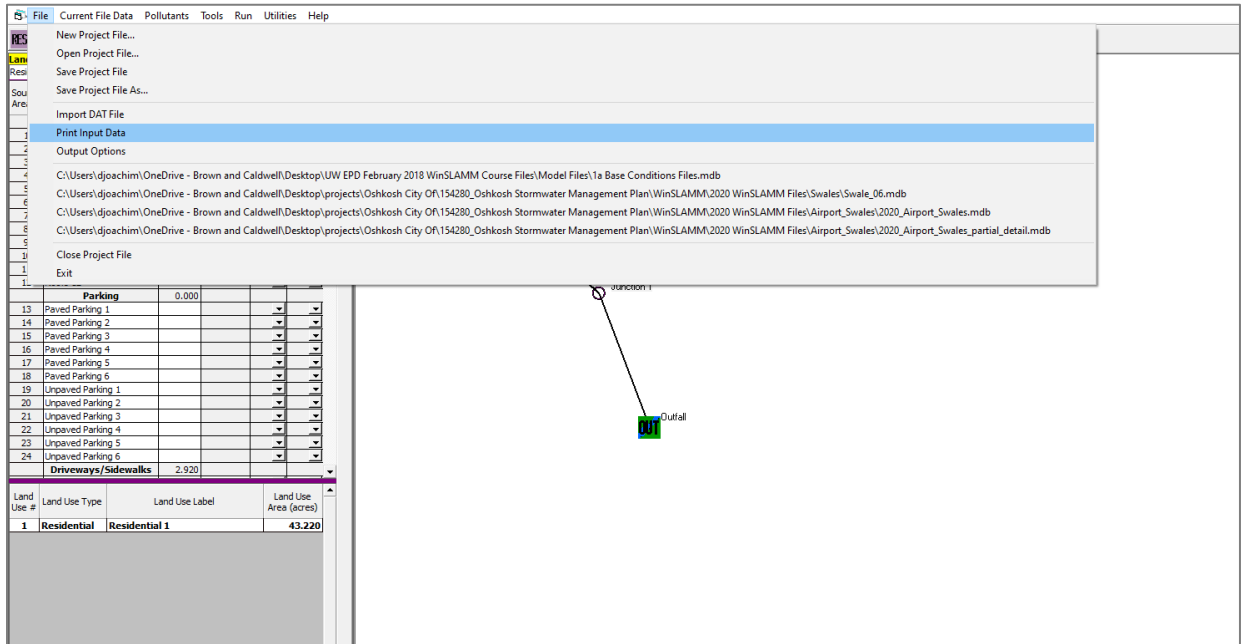


4 – Reading Printed Input and Output

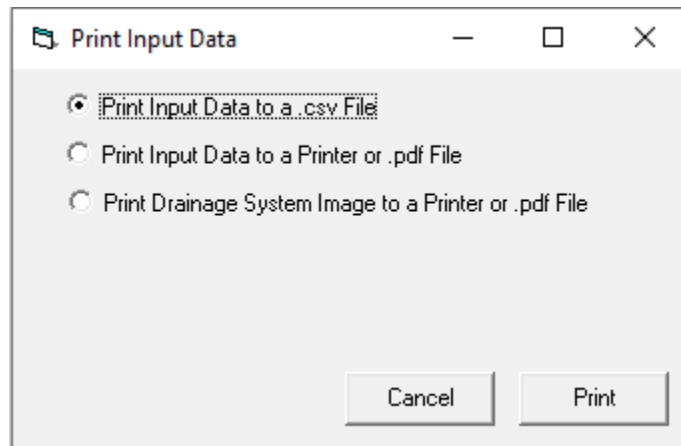
Reading Printed Input and Output

The program input and output can be printed to a text file.

To print the Input to a text file, select “File”, then “Print Input Data”.

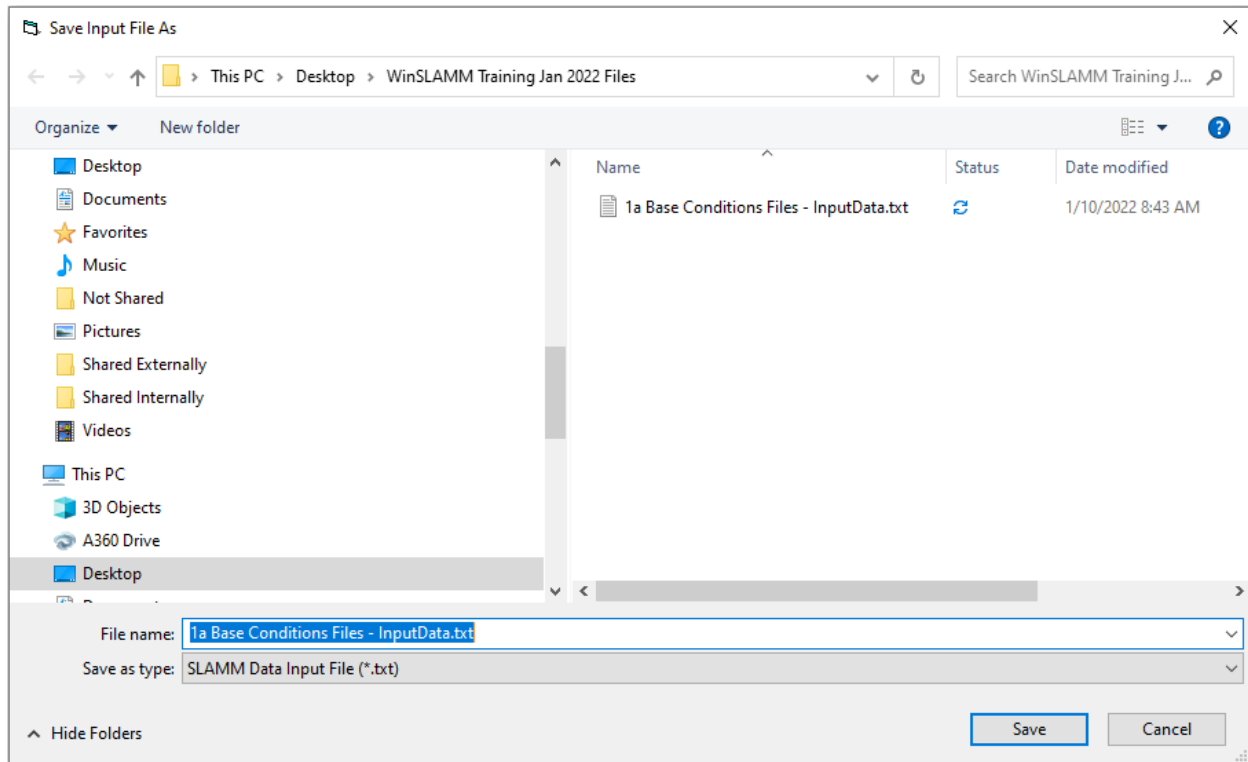


Select “Print Input Data to a .csv File” to create a text file that will be saved in a project director. To print directly to a PDF or to a printer, select “Print Input Data to Printer or .pdf File”. Then select “Print”.



4 – Reading Printed Input and Output

After you select Print, a window will pop up asking where you want to print the file (either a folder or a printer).



Navigate to where you want the file printed, then select “Save” if printing to a file, or “Print” if printing to a printer.

4 – Reading Printed Input and Output

Data file name: C:\Users\djoachim\Desktop\WinSLAMM Training Jan 2022 Files\1a Base Conditions Files.mdb

File Name

WinSLAMM Version 10.5.76 **WinSLAMM Version**

Rain file name: C:\WinSLAMM Files\Rain Files\WisReg - Madison Five Year Rainfall.ran
Particulate Solids Concentration file name: C:\WinSLAMM Files\v10.1 WI_AVG01.pscx
Runoff Coefficient file name: C:\WinSLAMM Files\WI_SL06 Dec06.rsvx
Residential Street Delivery file name: C:\WinSLAMM Files\WI_Res and Other Urban Dec06.std
Institutional Street Delivery file name: C:\WinSLAMM Files\WI_Com Inst Indust Dec06.std
Commercial Street Delivery file name: C:\WinSLAMM Files\WI_Com Inst Indust Dec06.std
Industrial Street Delivery file name: C:\WinSLAMM Files\WI_Com Inst Indust Dec06.std
Other Urban Street Delivery file name: C:\WinSLAMM Files\WI_Res and Other Urban Dec06.std
Freeway Street Delivery file name: C:\WinSLAMM Files\Freeway Dec06.std
Apply Street Delivery Files to Adjust the After Event Load Street Dirt Mass Balance: False
Pollutant Relative Concentration file name: C:\WinSLAMM Files\WI_GEO03.ppdx
Source Area PSD and Peak to Average Flow Ratio File: C:\WinSLAMM Files\NURP Source Area PSD Files.csv
Cost Data file name:

Seed for random number generator: -42

Rainfall File and Parameter Files Used

Study period starting date: 01/02/80 Study period ending date: 01/01/85

Start of Winter Season: 12/02

End of Winter Season: 03/12

Winter Season Start and Stop Dates

Date: 01-10-2022

Time: 08:43:09

Site information:

LU# 1 - Residential: Residential 1 Total area (ac): 43.220

1 - Roofs 1: 4.770 ac. Pitched Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

25 - Driveways 1: 1.700 ac. Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

31 - Sidewalks 1: 0.610 ac. Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

32 - Sidewalks 2: 0.610 ac. Disconnected Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

37 - Streets 1: 4.200 ac. Intermediate Street Length = 0.96 mi Street Width = 36.09375 ft Street Edges = 2

Default St. Dirt Accum. Annual Winter Load = 2500 lbs. Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

51 - Small Landscaped Areas 1: 25.480 ac. Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

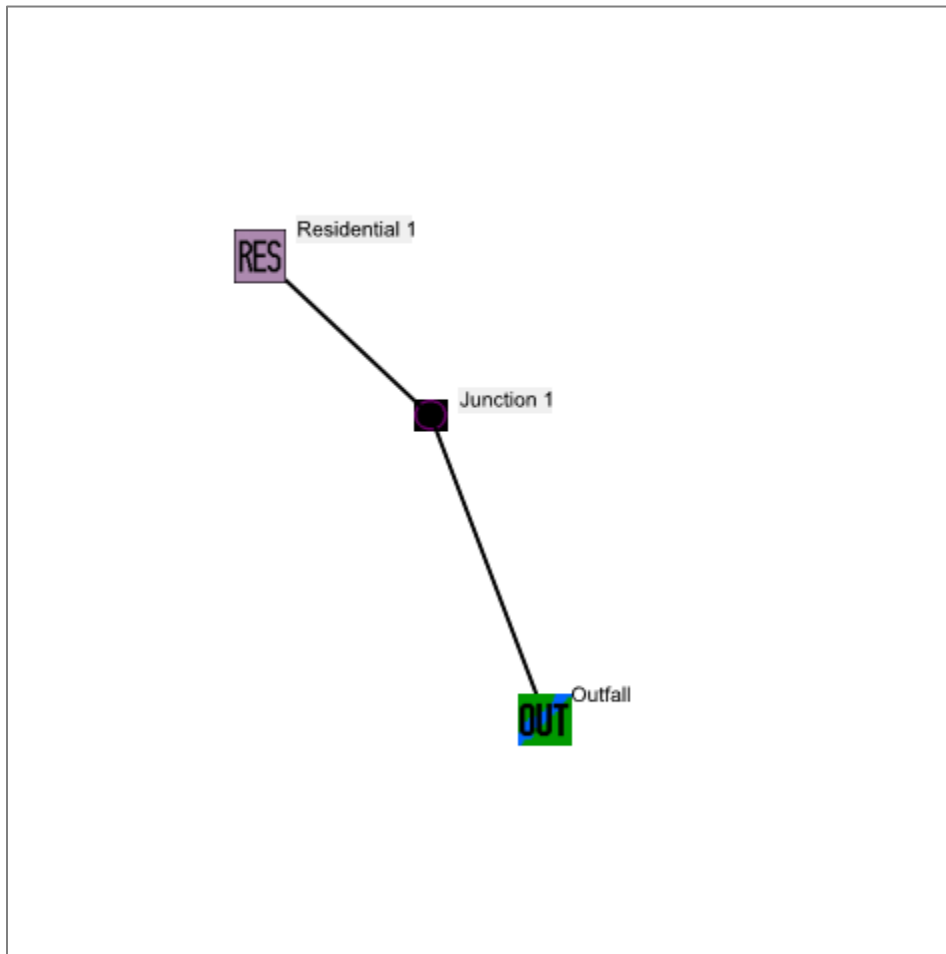
57 - Undeveloped Areas 1: 5.850 ac. Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

Site Information

- Check areas
- Connected or Disconnected
- Soil Types

4 – Reading Printed Input and Output

To print the a graphic of the Drainage System, select “Print Input Data” again. This time select “Print Drainage System Image to a Printer or .pdf File.” Then click “Print”.



4 – Reading Printed Input and Output

To print the output to a text file, run the file.

On the Output Summary Screen, select “Print Output Summary to Text File”.

Outfall Output Summary

	Runoff Volume (cu. ft.)	Percent Runoff Reduction	Runoff Coefficient (Rv)	Particulate Solids Conc. (mg/L)	Particulate Solids Yield (lbs)	Percent Particulate Solids Reduction
Total of All Land Uses without Controls	5.875E+06		0.23	114.2	41893	
Outfall Total with Controls	5.875E+06	0.00 %	0.23	114.2	41892	0.00 %

Current File Output: Annualized Total After Outfall Controls	1.175E+06	Years in Model Run:	5.00	8378
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Pollutant	Concentration - No Controls	Concentration - With Controls	Concentration Units	Pollutant Yield - No Controls	Pollutant Yield - With Controls	Pollutant Yield Units	Percent Yield Reduction
Particulate Solids	114.2	114.2	mg/L	41893	41892	lbs	0.00 %
Total Phosphorus	0.5092	0.5092	mg/L	186.8	186.8	lbs	0.00 %

Print Output Summary to .csv File

Print Output Summary to Text File

Print Output Summary to Printer

Total Area Modeled (ac)

Total Control Practice Costs

Capital Cost

Land Cost

Annual Maintenance Cost

Present Value of All Costs

Annualized Value of All Costs

Perform Outfall
Flow Duration
Curve Calculations

Receiving Water Impacts Due To Stormwater Runoff

(CWP Impervious Cover Model)

	Calculated Rv	Approximate Urban Stream Classification
Without Controls	0.23	Poor
With Controls	0.23	Poor

4 – Reading Printed Input and Output

SLAMM for Windows Version 10.5.76

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Data file name: C:\Users\djoachim\Desktop\WinSLAMM Training Jan 2022 Files\1a Base Conditions Files.mdb

Data file description:

Rain file name: C:\WinSLAMM Files\Rain Files\WisReg - Madison Five Year Rainfall.ran
 Particulate Solids Concentration file name: C:\WinSLAMM Files\v10.1 WI_AVG01.pscx
 Runoff Coefficient file name: C:\WinSLAMM Files\WI_SL06 Dec06.rsvx
 Pollutant Relative Concentration file name: C:\WinSLAMM Files\WI_GEO03.ppdx
 Residential Street Delivery file name: C:\WinSLAMM Files\WI_Res and Other Urban Dec06.std
 Institutional Street Delivery file name: C:\WinSLAMM Files\WI_Com Inst Indust Dec06.std
 Commercial Street Delivery file name: C:\WinSLAMM Files\WI_Com Inst Indust Dec06.std
 Industrial Street Delivery file name: C:\WinSLAMM Files\WI_Com Inst Indust Dec06.std
 Other Urban Street Delivery file name: C:\WinSLAMM Files\WI_Res and Other Urban Dec06.std
 Freeway Street Delivery file name: C:\WinSLAMM Files\Freeway Dec06.std
 Apply Street Delivery Files to Adjust the After Event Load Street Dirt Mass Balance: False
 Source Area PSD and Peak to Average Flow Ratio File: C:\WinSLAMM Files\NURP Source Area PSD Files.csv
 Cost Data file name:
Rainfall File and Parameter Files Used
 Seed for random number generator: -42

Start of Winter Season: 12/02 End of Winter Season: 03/12

Model Run Start Date: 01/02/80 Model Run End Date: 01/01/85

Date of run: 01-10-2022 Time of run: 10:53:42

Rainfall File Start and Stop Date

Total Area Modeled (acres): 43.220

Years in Model Run: 5.00

Runoff Volume (cu ft)	Percent Runoff	Particulate Solids Conc. (mg/L)	Particulate Solids Yield (lbs)	Percent Particulate Solids	Percent Particulate Solids Reduction
Total of all Land Uses without Controls:	5.875E+06	-	114.2	41893	-
Outfall Total with Controls:	5.875E+06	0.00%	114.2	41892	0.00%
Annualized Total After Outfall Controls:	1.175E+06			8378	

Pollutant	Concentration - No Controls	Concentration - With Controls	Conc. Units	Pollutant Yield No Controls	Pollutant Yield With Controls	Pol. Yield Units	Percent Reduction
Particulate Solids	114.2	114.2	mg/L	41893	41892	lbs	0.00 %
Total Phosphorus	0.5092	0.5092	mg/L	186.8	186.8	lbs	0.00 %

Output Summary

4 – Reading Printed Input and Output

There are additional Detailed Output options available for each control practice in the model. These files can be very helpful if you need results at a finer resolution or are troubleshooting a model issue. To view the Detailed Output options, Select “Program Options” under the “Tools” tab of the menu bar.

The screenshot displays the WinSLAMM v10 software interface. The 'Tools' menu is open, showing the 'Program Options' option selected. The main window shows a model diagram with a 'Residential 1' source area (RES) connected to 'Junction 1', which then flows to an 'Outfall' (OU). The 'Land Use' table is visible on the left, showing various source areas and their areas.

Source Area #	Source Area	Area (acres)
Roofs		
1	Roofs 1	4.77
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	
19	Unpaved Parking 1	
20	Unpaved Parking 2	
21	Unpaved Parking 3	
22	Unpaved Parking 4	
23	Unpaved Parking 5	
24	Unpaved Parking 6	
Driveways/Sidewalks		2.920

Land Use #	Land Use Type	Land Use Label	Land Use Area (acres)
1	Residential	Residential 1	43.220

Then select the “Detailed Output File Options” tab in the “Program Options” window.

4 – Reading Printed Input and Output

Program Options

Detailed Output File Options

Biofilters

- Detailed Biofilter Output
- Pollutant Concentration Detailed Output
- Particulate Reduction Output
- Stage-Outflow
- Stochastic Seepage Rate Detail
- Water Balance
- Evapotranspiration Detail

Catchbasins

- Performance by Event Output
- Performance By Step Output
- Stage-Inflow Data
- Stage-Outflow

Cisterns

- Detailed Output
- Outfall Discharge Hydrograph
- Water Balance

Filter Strips

- Hydraulics and Concentration by Event
- Hydraulics Detailed Output
- Incremental Performance Output
- Irreducible Concentration Detailed Output
- Particulate Reduction Output

Flow Duration Curve Data

- Detailed Data
- Plotting Calculations

Critical Particle Size Calculation Detailed Output File

Tree Canopy Detailed Output

Freeway Data

- Freeway Washoff Detail

Grass Swales

- Hydraulics and Concentration by Event
- Hydraulics Detailed Output
- Incremental Performance Output
- Irreducible Concentration Detailed Output
- Particulate Reduction Output

Hydrodynamic Devices

- Detailed Output
- Performance By Event
- Stage-Inflow
- Stage-Outflow

Porous Pavement

- Detailed Output
- Stage-Outflow
- Stochastic Seepage Rate Detail
- Surface Seepage Rate
- Water Balance

Street Cleaning

- Street Dirt/Accumulation Plots
- Street Dirt Removal
- Washoff or Street Cleaning Detail

Wet Detention Ponds

- Detailed Output
- Pond Stage-Area-Volume Data
- Stage-Outflow
- Stone Weeper Detailed Output
- Water Balance Summary of All Ponds

Media Filters and Settling Practices

- Detailed Time Step Output
- Stage-Outflow Data
- Stage-Area-Storage Data
- Device Effluent Concentrations
- Performance By Event
- Puls Routing Detail
- Iteration Information

Green Roofs

- Time Step Output
- Irreducible Concentration Calculations
- Particulate Reduction Output
- Stage-Area-Outflow
- Water Balance
- Evapotranspiration Detail

Pipes

- Detailed Hydraulic Output
- Pipe Output by Event

Uncheck All Detailed Output File Options

Check All Detailed Output File Options

File Update Options **Cancel Changes** **Save .INI File**

Select any Detailed Output files that you would like to generate, then click “Save .INI File.”

The next time you run the model, the selected Detailed Output files will be created and saved in the same location as your model .mdb file. The Detailed Output will only be generated if the corresponding control practice is in the model.

Note: Generating Detailed Output increases model run time. Additionally, depending on the number of practices in the model and the types of Detailed Output being generated, the resulting .CSV files can be quite large. It is recommended that you unselect the Detailed Output File Options and re-save the .INI file when you are finished reviewing the Detailed Output.