

WinSLAMM Parameter File Summary

File Name	Date Created/ Last Modified	Created By	Description
“CPZ:” (Critical Particle Size) files contain the sediment particle size distributions developed from monitored data. The files are used in the evaluation of control practices that rely upon particle settling for pollution control.			
HIGH.CPZ	5/16/88	Pitt	Particle size file for runoff containing high concentrations of particulate residue (possibly for construction sites in areas having sandy soils)
LOW.CPZ	5/16/88	Pitt	Particle size file for runoff containing low concentrations of particulate residue (such as for rooftop runoff)
MEDIUM.CPZ	5/16/88	Pitt	Particle size file for runoff containing medium concentrations of particulate residue (outfall data)
MIDWEST.CPZ	7/17/87	Pitt	Summarizes Milwaukee and Champaign-Urbana NURP outfall particle size data
MONROE.CPZ	3/23/98	Pitt	Summarizes Monroe Street detention pond (City of Madison) influent particle size data
NURP.CPZ	5/16/88	Pitt	Summarizes NURP outfall particle size data
“PPD” (Pollutant Probability Distribution) files describe the pollutant concentrations found in source areas.			
BHAM.PPD	8/8/00	Pitt	Birmingham, AL pollutant data, based on local source area runoff research (Pitt, <i>et al.</i> 1995 and Pitt, <i>et al.</i> 1999)
MADISON7.PPD	10/24/99 5/23/00	Pitt	Source area pollutant data based on numerous Wisconsin studies conducted by the WDNR and the USGS.
WI_GEO01.ppd	11/26/02	Horwath	USGS/DNR pollutant probability distribution file from Wisconsin monitoring data.
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“PRR” (Particulate Residue Reduction) files describe the fraction of total particulates that remains in the drainage system (curbs and gutters, grass swales, and storm drainage) after rain events end due to deposition. This fraction of the total particulates does not reach the outfall, so the outfall values are reduced by the fraction indicated in the .PRR file.			
DELIVERY.PRR	3/18/91 6/7/00	Pitt	This file is based on calibration data from 10 variable land use sites monitored in Toronto and Milwaukee (Bannerman, <i>et al.</i> 1983 and Pitt 1987).
MADISON.PRR	7/30/97 8/23/00	Selbig	Sediment delivery file reflecting data collected from Monroe 1994 and Harper 1995 monitoring in Madison.
WI_DLV01.prr	7/8/01	Horwath	USGS/DNR particulate residue reduction file for the delivery system from Wisconsin monitoring data.
“RSV” (Runoff coefficient file). These coefficients, when multiplied by rain depths, land use source areas, and a conversion factor, determine the runoff volumes needed by WinSLAMM.			
RUNOFF.RSV	3/18/91 5/22/99	Pitt	Runoff coefficient file for many source areas and rainfall conditions. Based on calibration data from 10 variable land use sites monitored in Toronto and Milwaukee (Bannerman, <i>et al.</i> 1983 and Pitt 1987).
WI_SL01.rsv	7/8/01	Horwath	USGS/DNR runoff volumetric coefficient file from Wisconsin monitoring data.
“STD” (Street Delivery File): These files describe the fraction of total particulates that are washed from the streets during rains, but are subsequently re-deposited due to lack of energy in the flowing water.			
WISCONSIN.STD	4/16/00 5/25/00	Pitt	This file is based on extensive Madison area tests conducted by WDNR and USGS.
WI_STR01.std	11/26/02	Horwath	USGS/DNR street delivery file from Wisconsin monitoring data. Use for all versions of WinSLAMM up to and including v 8.5.1.
WI_STR04.std	8/12/03	Horwath	USGS/DNR street delivery file from Wisconsin monitoring data. Use for all versions of WinSLAMM starting from v 8.7.2.
WI_Res and Other Urban May05.std	5/30/2005	Horwath	USGS/DNR street delivery file from Wisconsin monitoring data. Use for all versions of WinSLAMM starting from v 9.0.0 for Residential and Other Urban land uses.
WI_Com Inst Indust May05.std	5/30/2005	Horwath	USGS/DNR street delivery file from Wisconsin monitoring data. Use for all versions of WinSLAMM starting from v 9.0.0 for Industrial, Commercial and Institutional land uses.
Freeway.std	7/12/2005	Pitt	Street delivery file developed to account for TSS reductions due to losses in a freeway delivery system based upon early USDOT research
“PSC” (Particulate Solids Concentration): Values in this file, when multiplied by source area runoff volumes and a conversion factor, calculate particulate solids loadings (lbs).			
WI_AVG01.psc	11/26/02	Horwath	USGS/DNR particulate solids concentration file from Wisconsin monitoring data.
BHAM.PSC	8/8/2000	Pitt	Particulate solids concentration data from Birmingham
MADISON.PSC	7/30/97	Voorhees	Particulate solids data from a 1992 calibration report prepared by Warzyn with additional data from a WDNR Superior, WI report.