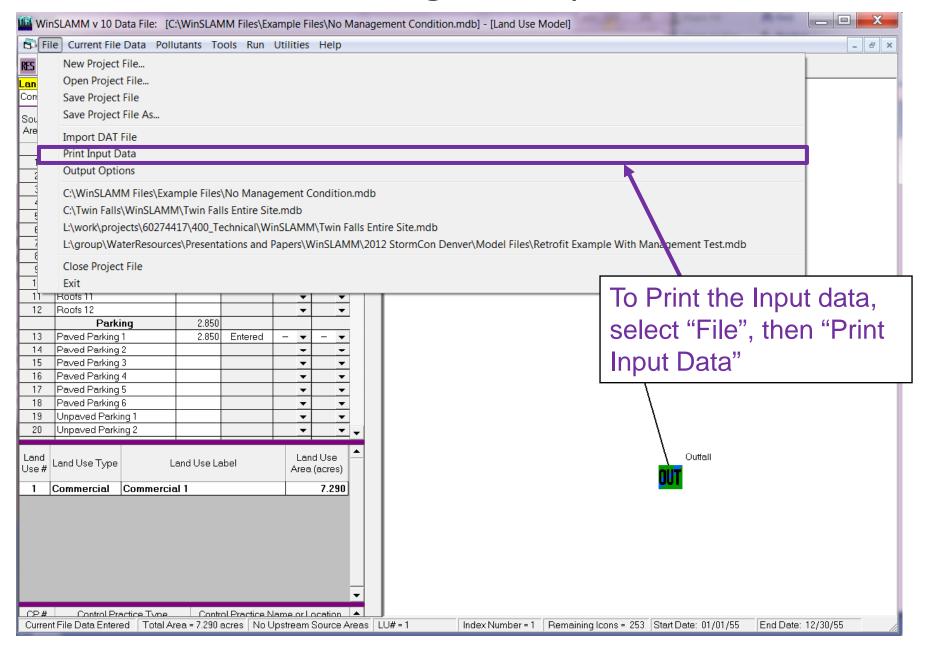
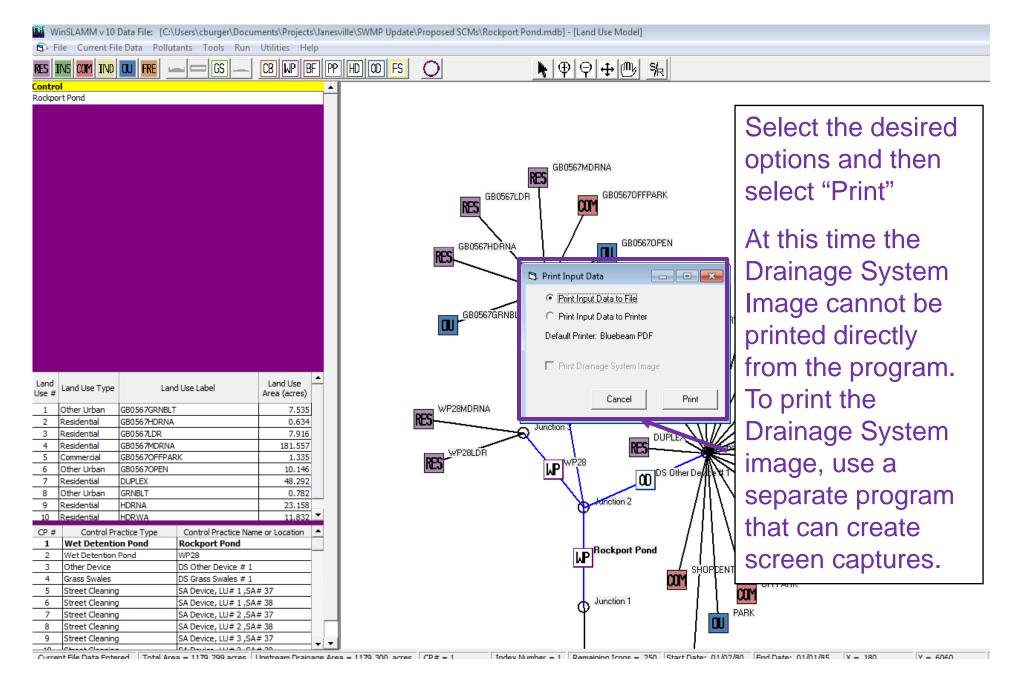
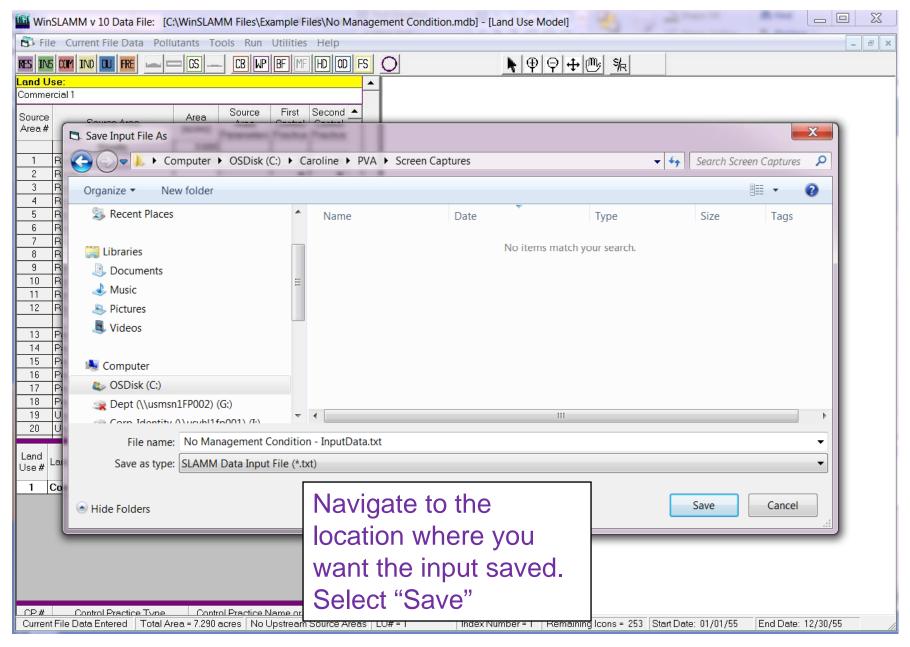


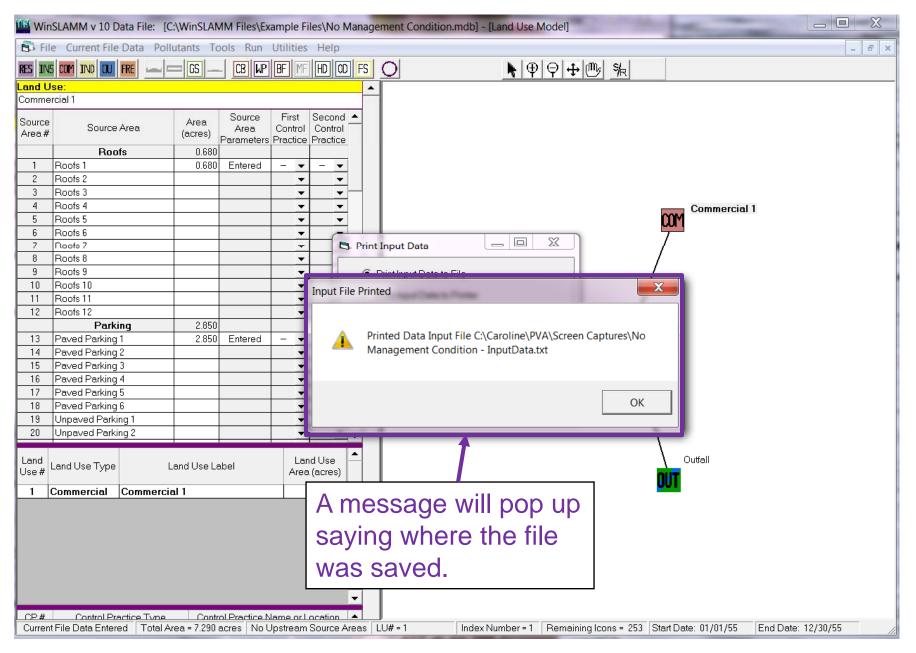
WinSLAMM v 10.2 User's Guide

Input/Output







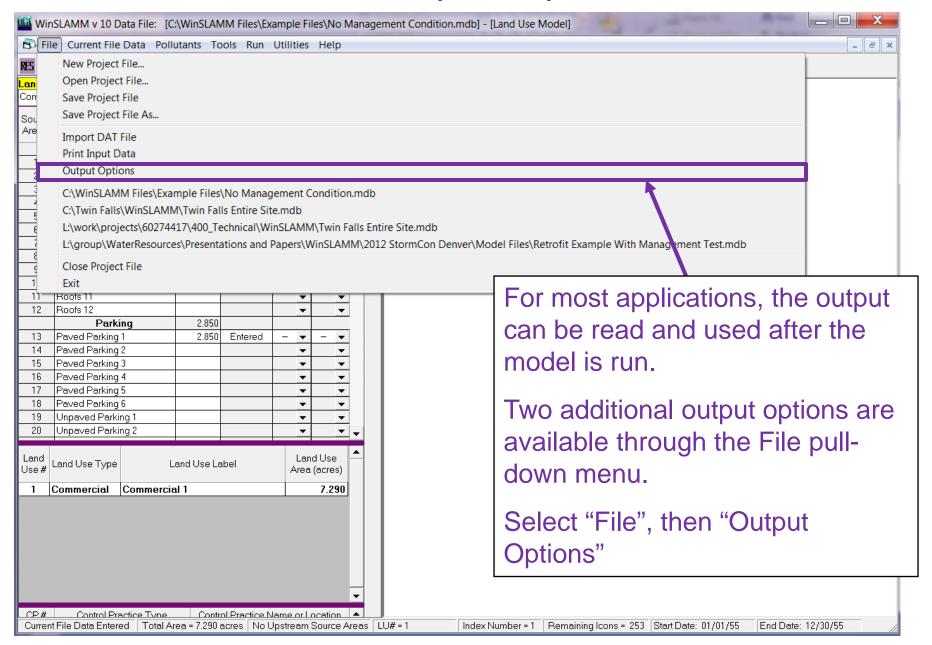


```
No Management Condition - InputData.txt - Notepad
File Edit Format View Help
Data file name: C:\WinSLAMM Files\Example Files\No Management Condition.mdb
WinSLAMM Version 10.0.137
Rain file name: C:\WinSLAMM Files\Rain Files\CO Denver Stapelton AP 4899.RAN
Particulate Solids Concentration file name: C:\WinSLAMM Files\Central.pscx
Runoff Coefficient file name: C:\WinSLAMM Files\v10 Central.rsv
Residential Street Delivery file name: C:\WinSLAMM Files\Central street Res and Other Urban.std
Institutional Street Delivery file name: C:\WinSLAMM Files\Central street Com Inst Indust.std
Commercial Street Delivery file name: C:\WinSLAMM Files\Central street Com Inst Indust.std
Industrial Street Delivery file name: C:\WinSLAMM Files\Central street Com Inst Indust.std
Other Urban Street Delivery file name: C:\WinSLAMM Files\Central street Res and Other Urban.std
Freeway Street Delivery file name: C:\WinSLAMM Files\Central Freeway.std
Apply Street Delivery Files to Adjust the After Event Load Street Dirt Mass Balance: False
Pollutant Relative Concentration file name: C:\WinSLAMM Files\Central.ppdx
Cost Data file name:
Seed for random number generator: -42
Study period starting date: 01/01/55
                                            Study period ending date: 12/30/55
Start of Winter Season: 12/01
                                            End of Winter Season: 03/31
Date: 08-20-2012
                                            Time: 10:13:17
Site information:
No Management Condition
                                      Total area (ac): 7.290
LU# 1 - Commercial: Commercial 1
                             Flat
     1 - Roofs 1: 0.680 ac.
                                        Connected
    13 - Paved Parking 1: 2.850 ac.
                                        Connected
    25 - Driveways 1: 0.170 ac.
                                     Connected
     31 - Sidewalks 1: 0.320 ac.
                                     Disconnected
                                                    Clayey
                                                               Low Density
    45 - Large Landscaped Areas 1: 2.140 ac.
                                                  Clayey
                                                            Low Density
     51 - Small Landscaped Areas 1: 0.630 ac.
                                                            Low Density
                                                  Clayey
     52 - Small Landscaped Areas 2: 0.500 ac.
                                                  Clayey
                                                            Low Density
```

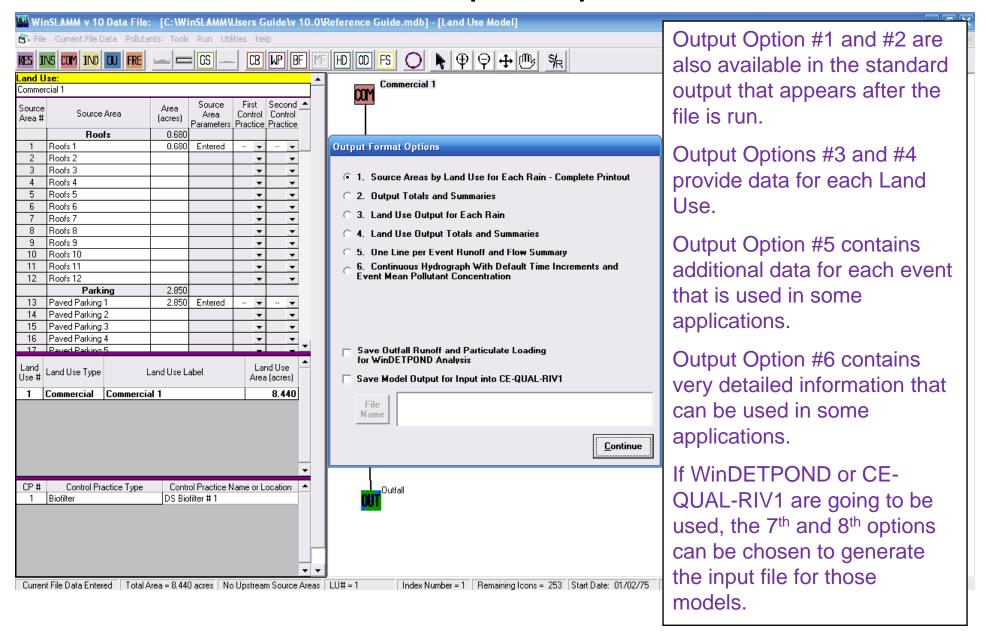
The input file will have "...InputData.txt" in the file name. It is a text file and can be opened in any text file editor. It is easiest to view using 'Courier' or another fixed length font. It can then be printed or saved as a *.pdf for inclusion in reports.

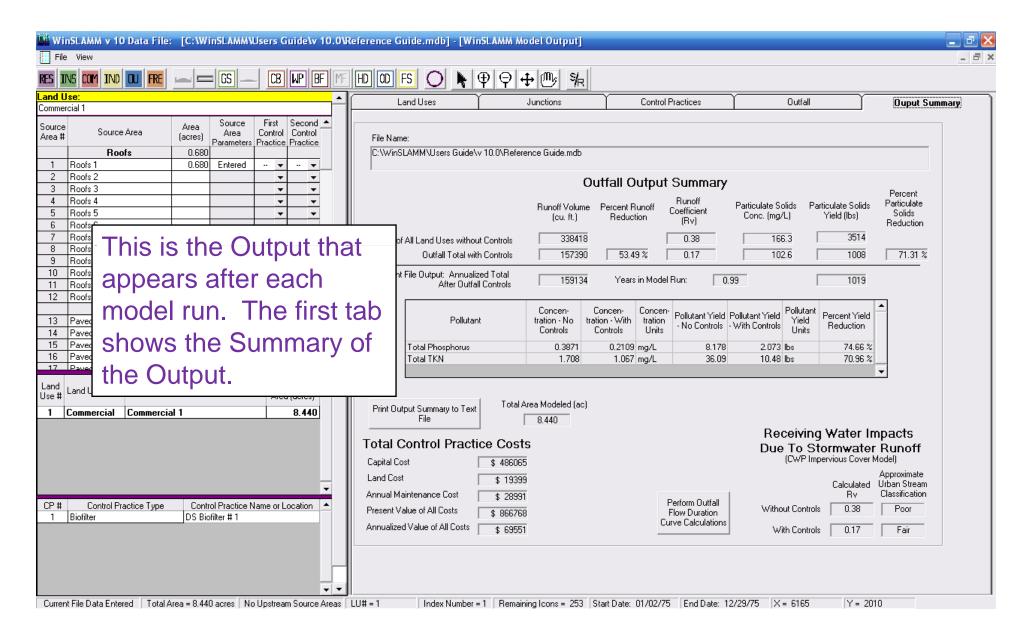
Printing and Reading the Output Summary

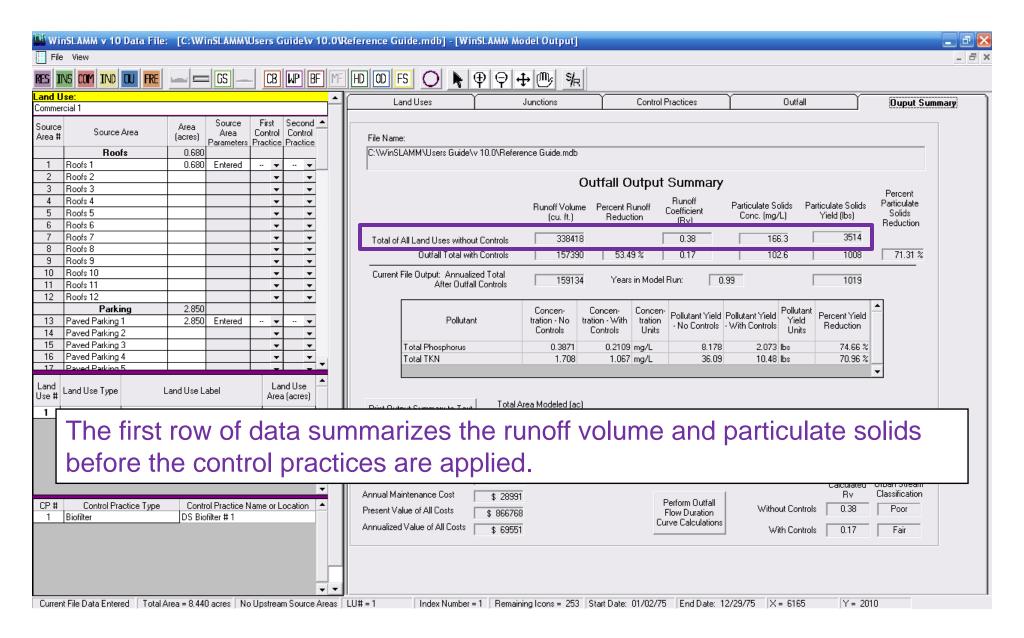
File/Output Options

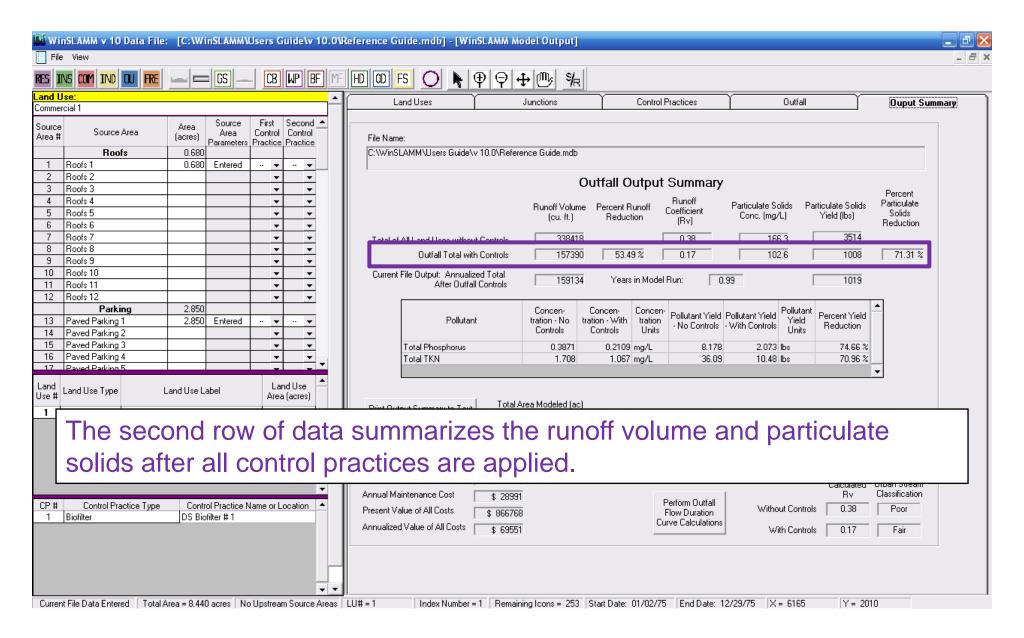


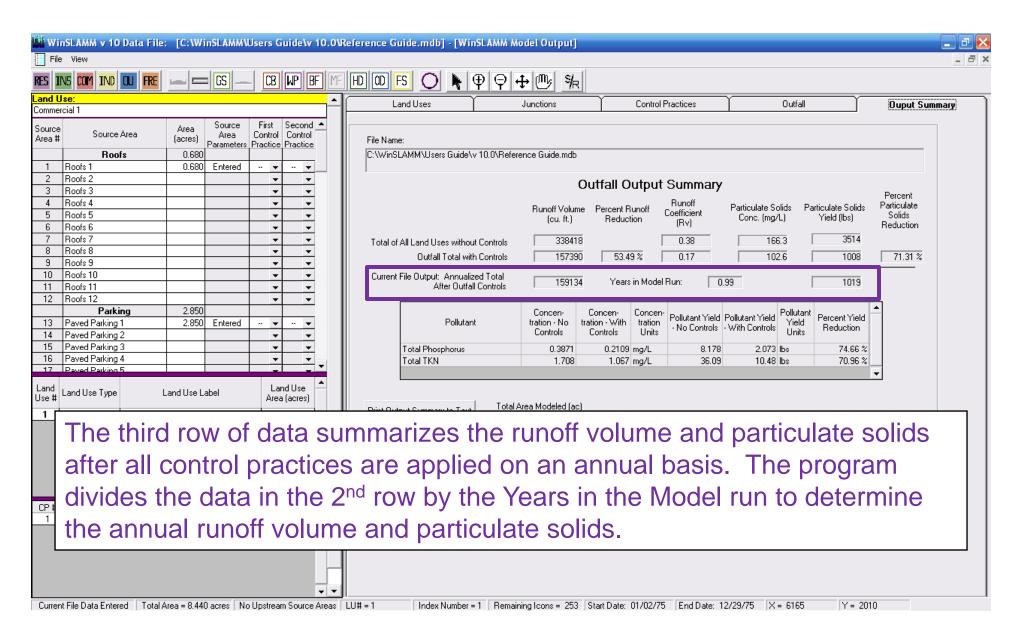
File/Output Options

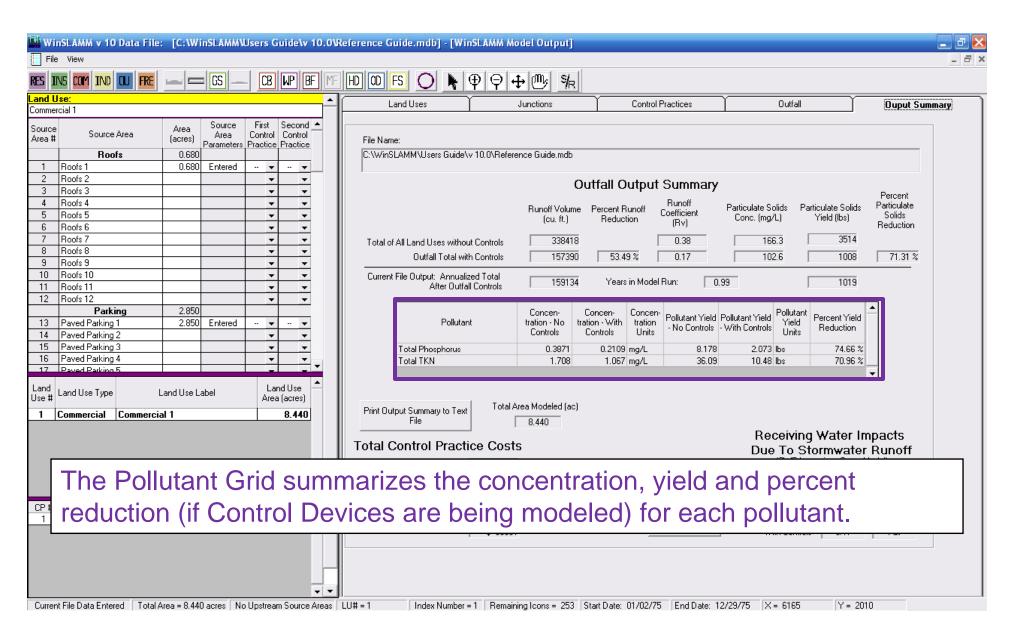


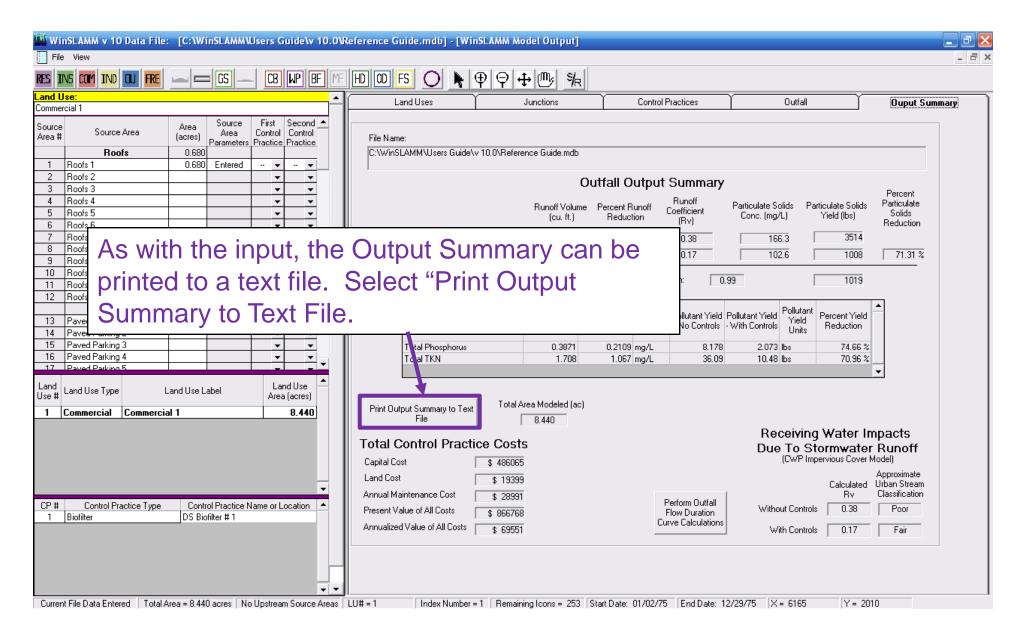


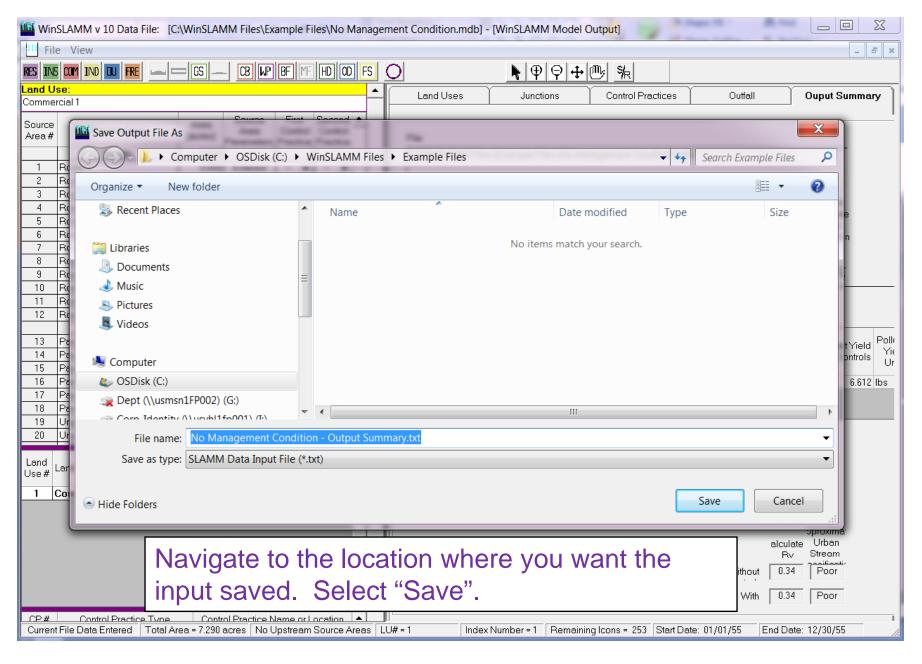


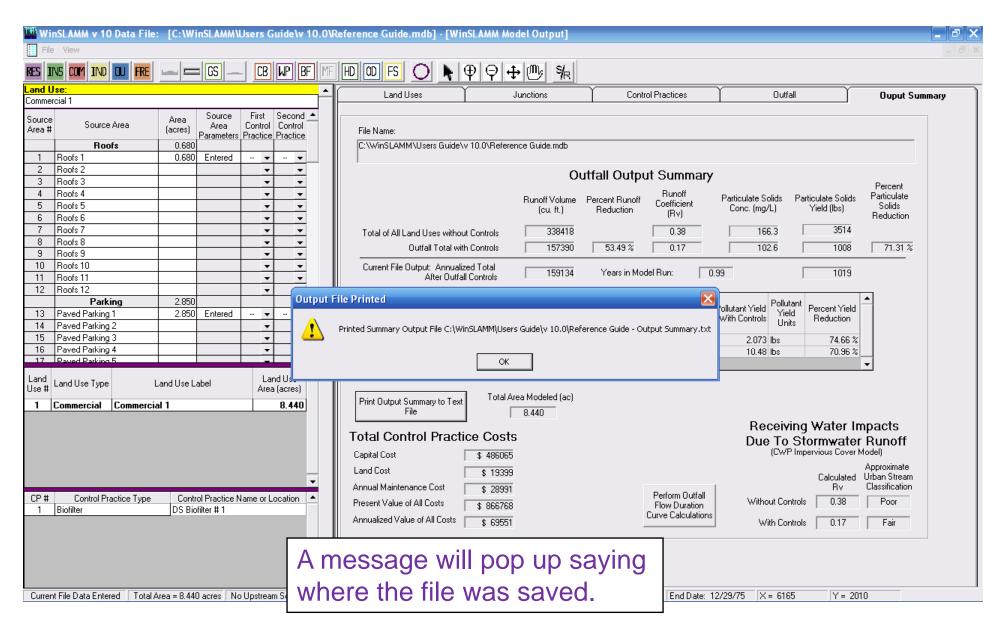






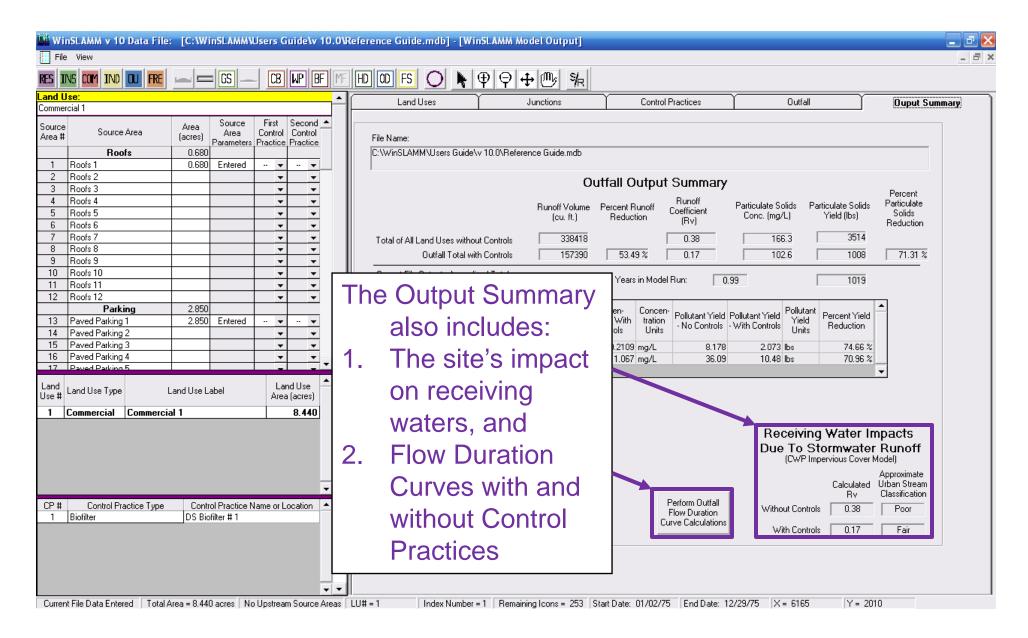




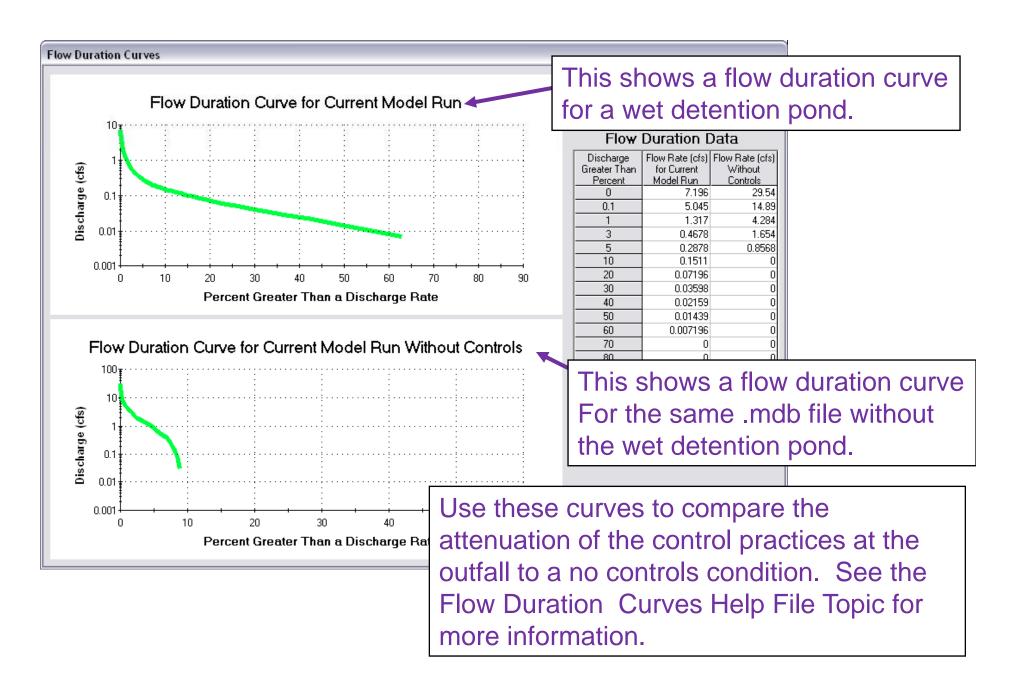


```
No Management Condition - Output Summary.txt - Notepad
File Edit Format View Help
SLAMM for Windows Version 10.0.137
(c) Copyright Robert Pitt and John Voorhees 2003
All Rights Reserved
Data file name: C:\WinSLAMM Files\Example Files\No Management Condition.mdb
Data file description: No Management Condition
Rain file name: C:\WinSLAMM Files\Rain Files\CO Denver Stapelton AP 4899.RAN
Particulate Solids Concentration file name: C:\WinSLAMM Files\Central.pscx
Runoff Coefficient file name: C:\WinSLAMM Files\v10 Central.rsv
Residential Street Delivery file name: C:\WinSLAMM Files\Central street Res and Other Urban.std
Institutional Street Delivery file name: C:\WinSLAMM Files\Central street Com Inst Indust.std
Commercial Street Delivery file name: C:\WinSLAMM Files\Central street Com Inst Indust.std
Industrial Street Delivery file name: C:\WinSLAMM Files\Central street Com Inst Indust.std
Other Urban Street Delivery file name: C:\WinSLAMM Files\Central street Res and Other Urban.std
Freeway Street Delivery file name: C:\WinSLAMM Files\Central Freeway.std
Pollutant Relative Concentration file name: C:\WinSLAMM Files\Central.ppdx
Apply Street Delivery Files to Adjust the After Event Load Street Dirt Mass Balance: False
Start of Winter Season: 12/01
                                            End of Winter Season: 03/31
Model Run Start Date: 01/01/55
                                   Model Run End Date: 12/30/55
Date of run: 08-20-2012
                            Time of run: 12:18:09
Total Area Modeled (acres): 7.290
Years in Model Run: 0.91
                                                      Runoff
                                                                 Percent Particulate Particulate
                                                                                                      Percent
                                                      Volume
                                                                  Runoff
                                                                               Solids
                                                                                           Solids Particulate
                                                                  Volume
                                                      (cu ft)
                                                                               Conc.
                                                                                           Yield
                                                                                                       Solids
                                                               Reduction
                                                                               (mg/L)
                                                                                            (lbs)
                                                                                                    Reduction
```

The output summary file will have "...Output Summary.txt" in the file name. It is a text file and can be opened in any text file editor. It is easiest to view using 'Courier' or another fixed length font. It can then be printed or saved as a *.pdf for inclusion in reports.

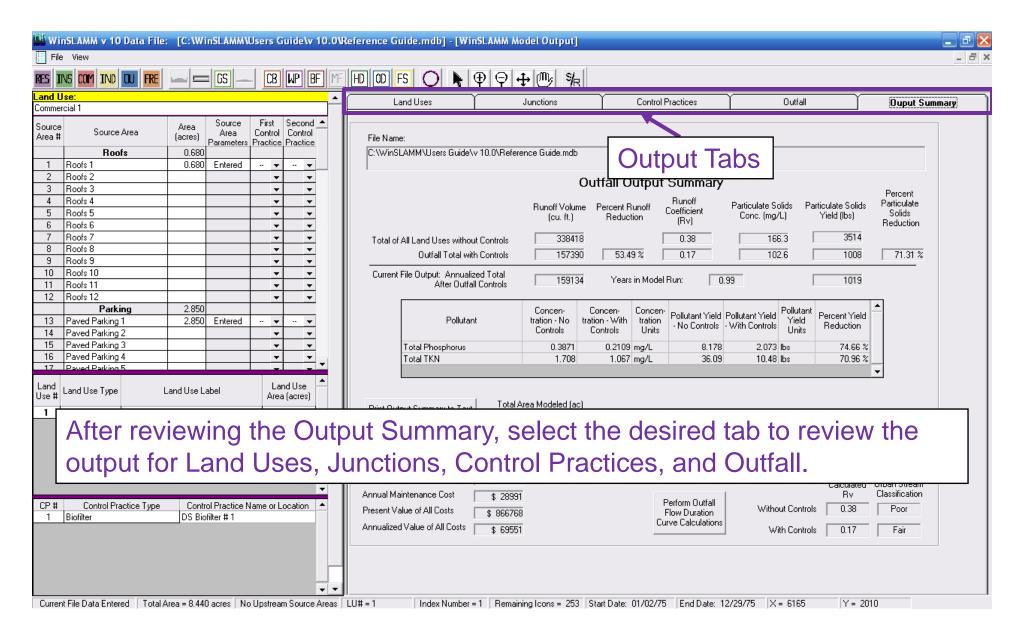


Flow Duration Curves

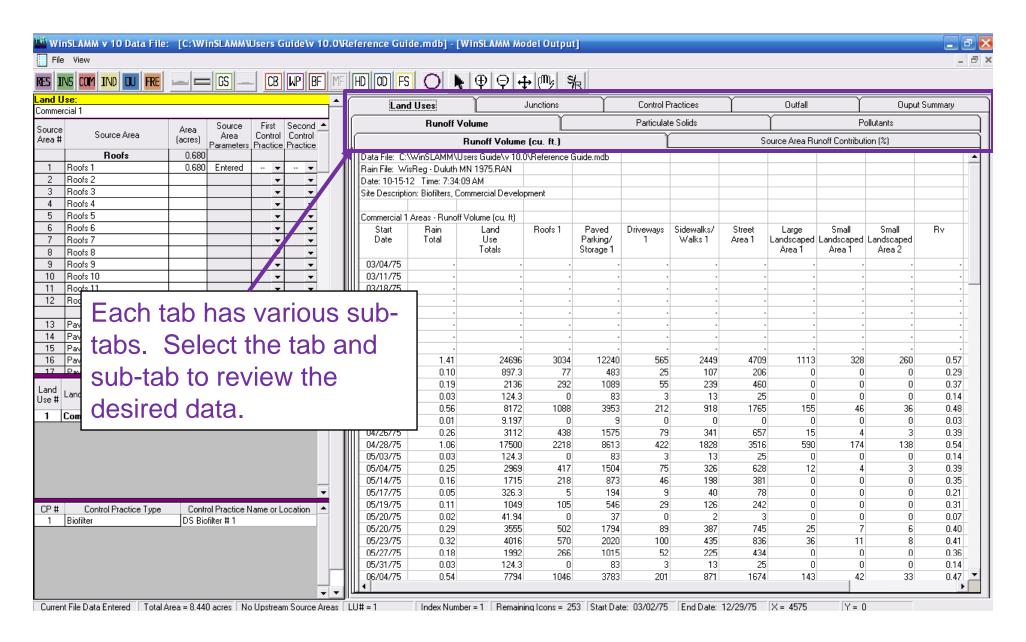


Reading Land Use, Junction, Control Practice and Outfall Output

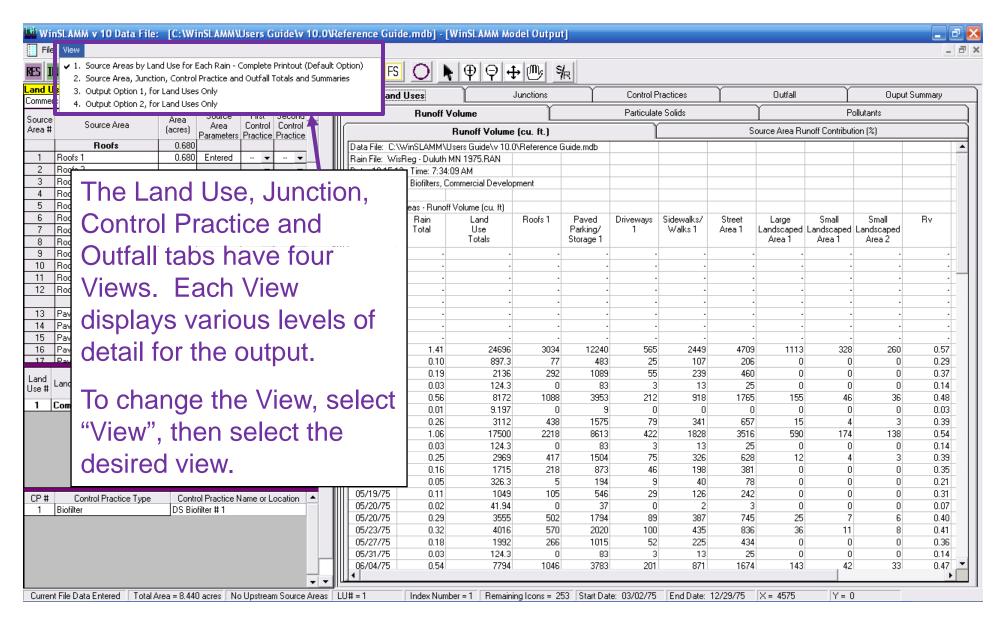
Output



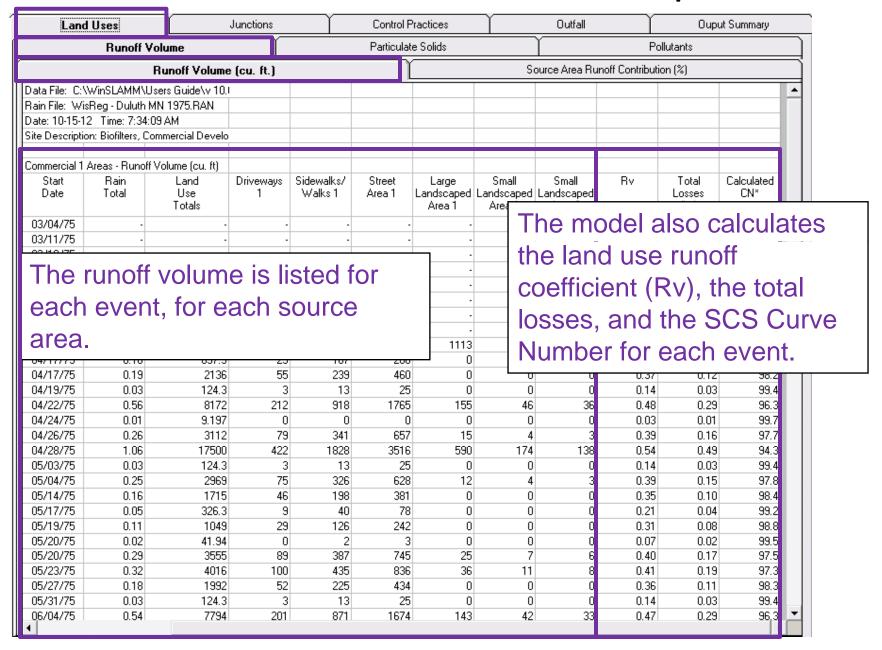
Output – Changing the View



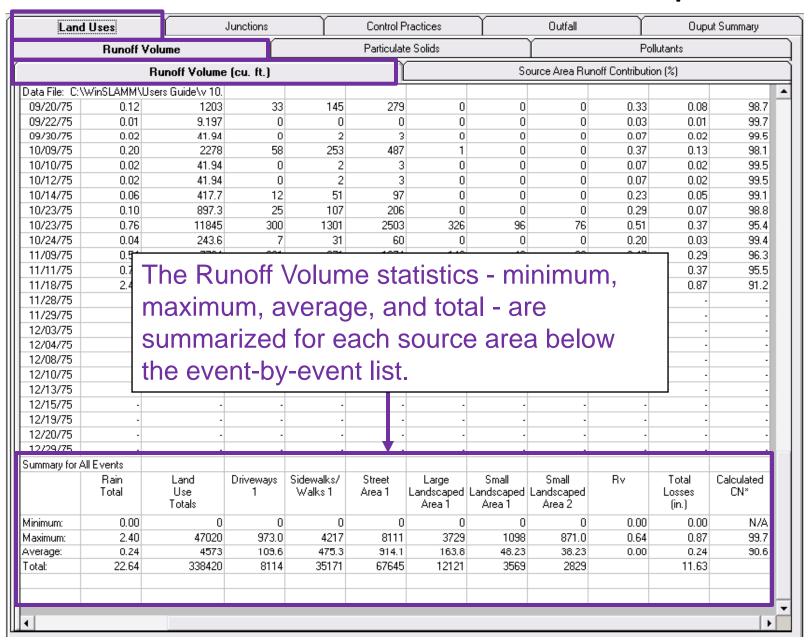
Output – Changing the View



Land Use - Runoff Volume Output



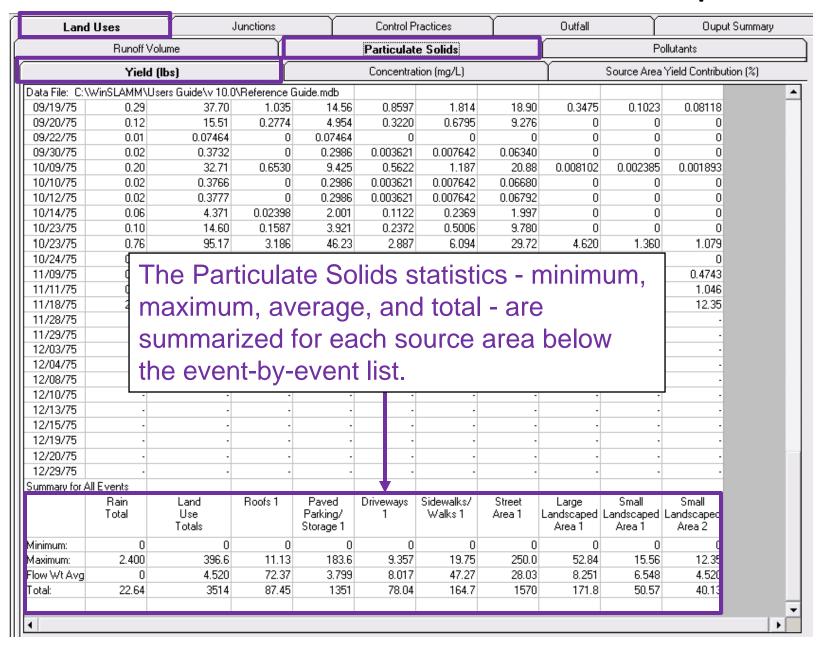
Land Use - Runoff Volume Output



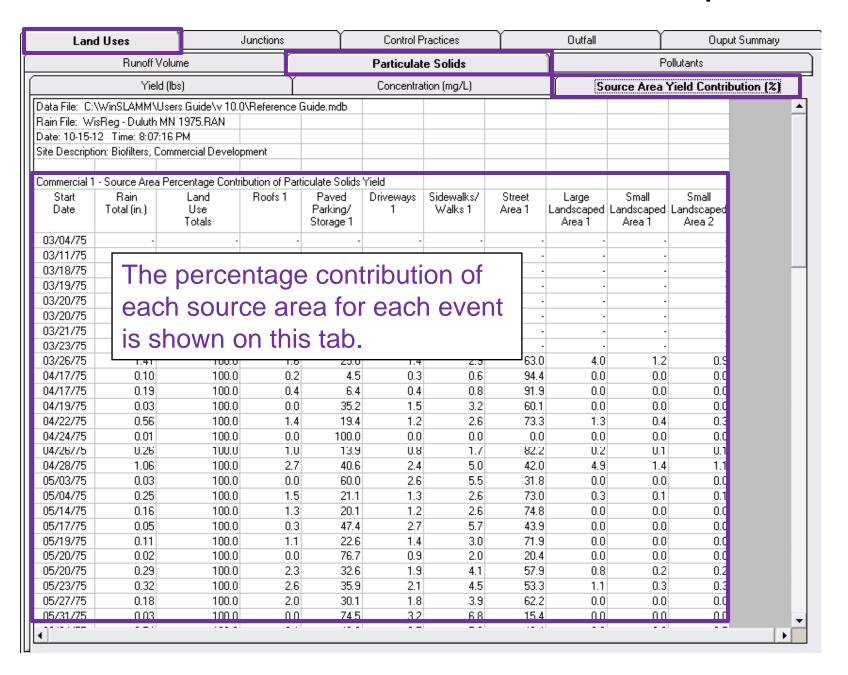
Land Use - Runoff Volume Output

Land	l Uses		Junctions	s Control Practices					Outfall Ou				
	Runoff V	olume			Particulat	te Solids		F	Pollutants				
		Runoff Volume	(cu. ft.)			Source Area Runoff Contribution (%)							
		sers Guide\v 10.0	D\Reference G	iuide.mdb									
	sReg - Duluth M												
	2 Time: 7:34:0												
Site Description	on: Biofilters, Co	mmercial Develo	pment										
Commercial 1	- Source Area F	Percentage Contr	ibution of Run	off Volume							1		
Start	Rain	Land	Roofs 1	Paved	Driveways	Sidewalks/	Street	Large	Small	Small			
Date	Total (in.)	Use	110013 1	Parking/	1	Walks 1	Area 1		Landscaped	Landscaped			
		Totals		Storage 1				Area 1	Area 1	Area 2			
03/04/75	-	-	-	-		-							
03/11/75	-	-	-	-		-		-					
03/18/75	-	-	-	-		-							
03/19/75	-	-	-	-		-							
03/20/75	-	<u>-</u>	•	•	•	-	•	•					
03/20/75	-		Tla - "			1	المراجعة			-			
03/21/75	-		ine p	perce	ntage	e cont	ributi	ion ot	· -	-			
03/23/75 03/26/75	1.41	100.											
03/26/75	0.10	100.	eacn	sour	ce ar	ea for	eacı	า eve	nt				
04/17/75	0.10	100.	10000		d. !	- (-1-			0.0				
04/19/75	0.03	100.	IS SNO	own (on thi	s tab.			0.0				
04/22/75	0.56	100.01	13.3	48.4	2.6	11.2	21.6	1.9					
04/24/75	0.01	100.0	0.0	100.0	0.0		0.0	0.0					
04/26/75	0.26	100.0	14.1	50.6	2.5		21.1	0.5					
04/28/75	1.06	100.0	12.7	49.2	2.4	10.4	20.1	3.4	1.0	0.8			
05/03/75	0.03	100.0	0.0	66.6	2.4	10.6	20.4	0.0	0.0	0.0			
05/04/75	0.25	100.0	14.0	50.7	2.5		21.1	0.4	0.1	0.1			
05/14/75	0.16	100.0	12.7	50.9	2.7		22.2	0.0	0.0				
05/17/75	0.05	100.0	1.5	59.3	2.9		23.9	0.0					
05/19/75	0.11	100.0	10.0	52.0	2.8		23.1	0.0					
05/20/75	0.02	100.0	0.0	87.7	0.9		7.5	0.0					
05/20/75	0.29	100.0	14.1	50.4	2.5		21.0	0.7	0.2				
05/23/75	0.32	100.0	14.2	50.3	2.5		20.8	0.9					
05/27/75	0.18	100.0	13.4	50.9	2.6		21.8	0.0					
05/31/75	0.03	100.0	0.0	66.6	2.4	10.6	20.4	0.0	0.0				
1											•		

Lanu	d Uses	Jı	unctions	Υ	Control P	ractices	Ĭ	Outfall	Y	Ouput Summary		
	Runoff Volu	ume			Particulat	e Solids		Pollutants				
	Yield (I	bs)	Ľ		Concentral	tion (mg/L)		Source Area Yield Contribution (%)				
	\WinSLAMM\Use		Reference C	iuide.mdb								
	sReg - Duluth MN											
	2 Time: 7:34:09											
Site Description	on: Biofilters, Com	mercial Developr	nent									
	Areas - Particulat											
Start Date	Rain Total	Land Use Totals	Roofs 1	Paved Parking/ Storage 1	Driveways 1	Sidewalks/ Walks 1	Street Area 1	Large Landscaped Area 1	Small Landscaped Area 1	Small Landscaped Area 2		
03/04/75	-	-	-	-	-	-			-	-		
03/11/75	-	-	-	-	-	-	-			-		
03/18/75										-		
03/19/75	Tha	Partic	uloto	Colid	to Via	ما لمار				-		
03/20/75		Partic	ulale	30110	15 TIE	au 18		-	-	-		
03/20/75	1:040	d for o	a a b		fore	b	-	-	-	-		
03/21/75	IISte	d for e	acn e	eveni	, ior e	eacn	-	-	-	-		
03/23/75							-	-	-	-		
03/26/75	sour	rce are	a.				50.0	15.77	4.642	3.684		
04/17/75							.83	0	0	0		
04/17/75	0.19	137.6	0.6024	8.836	0.5310	1.121	126.5	0	-			
04/19/75	0.03	1.909	0	0.6718	0.02922	0.06167	1.147	0	_	-		
04/22/75	0.56	165.0	2.241	32.08	2.036	4.297	121.0	2.199				
04/24/75	0.01	0.07464	0	0.07464	0	0	0	0	_			
04/26/75	0.26	91.85	0.9013	12.78	0.7575	1.599	75.49	0.2112				
04/28/75	1.06	172.2	4.569	69.90	4.057	8.561	72.34	8.366				
	0.03	1.119	0	0.6718	0.02922	0.06167	0.3563	0	_	_		
05/03/75			0.8583	12.21	0.7241	1.528	42.19	0.1709		0.03993		
05/04/75	0.25	57.77				0.9276	26.40	0	0.	0		
05/04/75 05/14/75	0.16	35.30	0.4484	7.083	0.4395				-	_		
05/04/75 05/14/75 05/17/75	0.16 0.05	35.30 3.318	0.01030	1.571	0.08981	0.1895	1.457	0	_	_		
05/04/75 05/14/75 05/17/75 05/19/75	0.16 0.05 0.11	35.30 3.318 19.62	0.01030 0.2171	1.571 4.430	0.08981 0.2796	0.1895 0.5901	1.457 14.10	0	0	0		
05/04/75 05/14/75 05/17/75 05/19/75 05/20/75	0.16 0.05 0.11 0.02	35.30 3.318 19.62 0.3891	0.01030 0.2171 0	1.571 4.430 0.2986	0.08981 0.2796 0.003621	0.1895 0.5901 0.007642	1.457 14.10 0.07931	0	0	0		
05/04/75 05/14/75 05/17/75 05/19/75 05/20/75 05/20/75	0.16 0.05 0.11 0.02 0.29	35.30 3.318 19.62 0.3891 44.60	0.01030 0.2171 0 1.035	1.571 4.430 0.2986 14.56	0.08981 0.2796 0.003621 0.8597	0.1895 0.5901 0.007642 1.814	1.457 14.10 0.07931 25.80	0 0 0 0.3475	0 0 0.1023	0 0 0.08118		
05/04/75 05/14/75 05/17/75 05/19/75 05/20/75 05/20/75 05/23/75	0.16 0.05 0.11 0.02 0.29 0.32	35.30 3.318 19.62 0.3891 44.60 45.71	0.01030 0.2171 0 1.035 1.174	1.571 4.430 0.2986 14.56 16.39	0.08981 0.2796 0.003621 0.8597 0.9649	0.1895 0.5901 0.007642 1.814 2.036	1.457 14.10 0.07931 25.80 24.37	0 0 0 0.3475 0.5069	0 0 0.1023 0.1492	0 0 0.08118 0.1184		
05/04/75 05/14/75 05/17/75 05/19/75 05/20/75 05/20/75	0.16 0.05 0.11 0.02 0.29	35.30 3.318 19.62 0.3891 44.60	0.01030 0.2171 0 1.035	1.571 4.430 0.2986 14.56	0.08981 0.2796 0.003621 0.8597	0.1895 0.5901 0.007642 1.814	1.457 14.10 0.07931 25.80	0 0 0 0.3475	0 0.1023 0.1492 0	0 0 0.08118 0.1184 0		



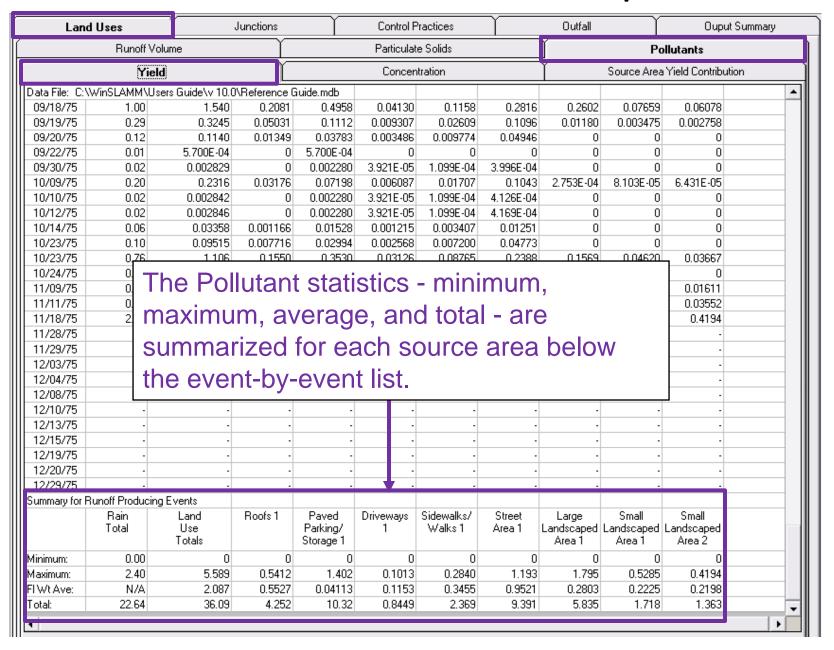
Land Uses Junctions			lunctions	Y	Control P	ractices .	Y	Outfall Ouput Summary					
	Runoff Volum	ne			Particulat	e Solids		Pollutants					
	Yield (lbs)			Concentral	tion (mg/L)		Source Area Yield Contribution (%)					
	VinSLAMM\Users		\Reference G	iuide.mdb							•		
	Reg - Duluth MN 1												
	Time: 7:34:09 A												
Site Description	n: Biofilters, Comm	ercial Develop	ment										
Commercial 1 A	reas - Particulate	Solids Concer	ntration (mg/L)	1									
Start	Rain	Land	Roofs 1	Paved	Driveways	Sidewalks/	Street	Large	Small	Small			
Date	Total	Use Totals		Parking/ Storage 1	1	Walks 1	Area 1	Landscaped Area 1	Landscaped Area 1	Landscaped Area 2			
03/04/75	-	-	-	-	-	-	-	-	-	-			
03/11/75	-	-	-	-		-		-					
03/18/75		_			_			-	-	-			
03/19/75	☐ The	Partic	:ulate	Solid	ds		-	-	-	-			
03/20/75							-	-	-	-			
03/20/75	\dashv Cond	centra	ntion i	s liste	ed for	each		-		-			
03/21/75				o note	34 IOI	Guori		-	-	-			
03/23/75	– even	it, for	each	SOUT	ce are	22	-			-			
03/26/75		•					50.4	227.0	227.0	227.0			
04/17/75	0.10	1547	33.00	130.0	154.0	75.00	6376	0	0	U			
04/17/75	0.19	1032	33.00	130.0	154.0	75.00	4402	0	0	U			
04/19/75	0.03	246.0	0	130.0	154.0	75.00	725.2	0	0	227.0			
04/22/75	0.56	323.4	33.00	130.0	154.0 0	75.00 0	1098 0	227.0 0	227.0 0	227.0			
04/24/75 04/26/75	0.01 0.26	130.0 472.7	0 33.00	130.0 130.0	154.0	75.00	1842	227.0	227.0	227.0			
04/28/75	1.06			130.0	154.0	75.00 75.00		227.0		227.0			
04/28/75	0.03	157.6 144.2	33.00 0	130.0	154.0	75.00 75.00	329.6 225.3	227.0 O	227.0 0	227.0			
05/03/75	0.03	311.7	33.00	130.0	154.0	75.00 75.00	225.3 1077	227.0	227.0	227.0			
05/04/75	0.25	329.7	33.00	130.0	154.0	75.00	1110	227.0	227.0	227.0 N			
05/17/75	0.16	162.9	33.00	130.0	154.0	75.00	299.8	0	0	0			
05/19/75	0.03	299.7	33.00	130.0	154.0	75.00	932.0	n	0	0			
05/20/75	0.02	148.6	33.00	130.0	154.0	75.00	404.7	0	0	n			
05/20/75	0.29	200.9	33.00	130.0	154.0	75.00	554.6	227.0	227.0	227.0			
05/23/75	0.32	182.3	33.00	130.0	154.0	75.00	466.7	227.0	227.0	227.0			
05/27/75	0.18	220.1	33.00	130.0	154.0	75.00	629.3	0	0	Ωο			
05/31/75	0.03	116.2	0	130.0	154.0	75.00	87.98	0	0	0			
		110.2				70.00		-	-	c	₩.		



Land Use – Pollutant Output

Land Uses Junctions				Control Practices					Outfall Ou					
	Runoff Vo	lume	Υ	Particulate Solids					Pollutants					
	Yiel	d)			Concer	tration		Source Area Yield Contribution						
		ers Guide\v 10.0	\Reference G	iuide.mdb										
Rain File: Wisf														
Date: 10-15-12														
Site Description	n: Biofilters, Cor	mmercial Develop	ment											
	- "													
		t Yield: Total Pho					_							
Start Date	Rain Total	Land Use Totals	Roofs 1	Paved Parking/ Storage 1	Driveways 1	Sidewalks/ Walks 1	Street Area 1	Large Landscaped Area 1	Small Landscaped Area 1	Small Landscaped Area 2				
03/04/75	-	-		-	-	-		-	-					
03/11/75							-	-						
03/18/75	The	Pollut	ant Y	'ield f	or ea	ch	-	-	-					
03/19/75		olidi	anti	icia i	or ca	CII	-	-	-					
03/20/75	- move	modeled pollutant is listed for												
03/20/75		Housisa politikatik is listea tot												
03/21/75		h ever	t for	oach	COLIF	·CO	-	-	-					
03/23/75	- Cac	ii evei	it, ioi	Caci	Soul	CE	-	-	-					
03/26/75	aro	~					8983	0.1135	0.03341	0.02652				
04/17/75	are	a.					279	0	0	4				
04/17/75	0.19	0.2227	0.003905	0.01461	0.001706	0.004521	U. 1979	0	0	4				
04/19/75	0.03	0.003288	0	0.001111	9.389E-05	2.488E-04	0.001834	0	0	4				
04/22/75	0.56	0.3074	0.01453	0.05305	0.006543	0.01734	0.1918	0.01583	0.004660	0.003698				
04/24/75	0.01	1.234E-04	0	1.234E-04	0	0	0	0	0	4				
04/26/75	0.26	0.1570	0.005842	0.02114	0.002434	0.006449	0.1188	0.001520	4.475E-04	3.552E-04				
04/28/75	1.06	0.4041	0.02962	0.1156	0.01303	0.03454	0.1193	0.06022	0.01773	0.01407				
05/03/75	0.03	0.002056	0	0.001111	9.389E-05	2.488E-04	6.025E-04	0	0	4				
05/04/75	0.25	0.1030	0.005563	0.02019	0.002327	0.006164	0.06690	0.001230	3.622E-04	2.874E-04				
05/14/75	0.16	0.06163	0.002906	0.01171	0.001412	0.003742	0.04185	0	0	4				
05/17/75	0.05	0.006134	6.675E-05	0.002599	2.886E-04	7.646E-04	0.002415	0	0	4				
05/19/75	0.11	0.03444	0.001408	0.007327	8.985E-04	0.002391	0.02243	0	0	4				
05/20/75	0.02	6.657E-04	0	4.938E-04	1.164E-05	3.083E-05	1.294E-04	0	0	4				
05/20/75	0.29	0.08628	0.006706	0.02407	0.002762	0.007319	0.04159	0.002501	7.363E-04	5.844E-04				
05/23/75	0.32	0.09114	0.007609	0.02711	0.003101	0.008215	0.03953	0.003649	0.001074	8.525E-04				
05/27/75	0.18	0.05040	0.003556	0.01362	0.001607	0.004258	0.02735	0	0	4				
											1.0			

Land Use - Pollutant Output



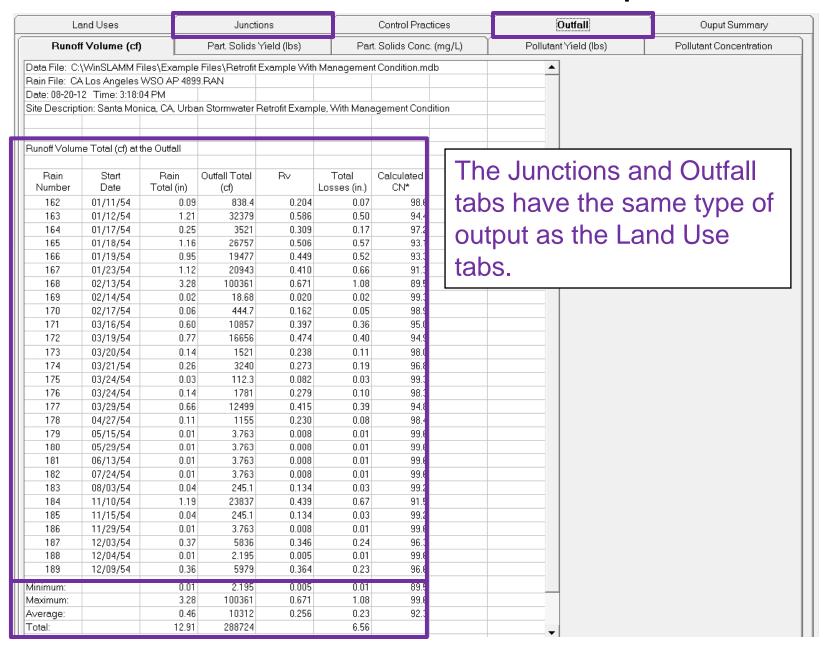
Land Use – Pollutant Output

Land	d Uses	unctions	<u> </u>	Control F	Practices		Outfall		Ouput Summary				
	Runoff Volum	е	Y		Particula	te Solids		Pollutants					
	Yield				Concer	ntration		Source Area Yield Contribution					
	\WinSLAMM\Users		Reference G	iuide.mdb									
	sReg - Duluth MN 1												
	2 Time: 8:07:16 Pt												
ite Description	on: Biofilters, Comme	ercial Developm	nent										
ommercial 1	Areas - Pollutant Co	ncentration: T	otal Phosph	orus (ma/L)									
Start Date	Rain Total	Land Use Totals	Roofs 1	Paved Parking/ Storage 1	Driveways 1	Sidewalks/ Walks 1	Street Area 1	Large Landscaped Area 1	Small Landscaped Area 1	Small Landscaped Area 2			
03/04/75	-	-	-	-	-	-	-	-	-				
03/11/75							<u> </u>	-	-				
03/18/75	The P	Olluta	nt Co	nncai	otratio	on for	-	-					
03/19/75		Olluta			man		-	-	-				
03/20/75	each	abom	lad n	Alluta	ant ic	lietod	-	-					
03/20/75	Cacii	Houe	ieu p	Ullute		listeu	-	-	-				
03/21/75	for ea	ch ov	ont f	for oc	och sc	ourco	-	-					
03/23/75		CIT EV	Giit, i	OI GO	ich sc	Juice	-	-	-				
03/26/75	oroo						1.355	1.634	1.634	1.634			
04/17/75	area.						9.963	0					
04/17/75	0.13	1.070	0.2133	0.2130	0.4340	0.3020	6.888	0	0	q			
04/19/75	0.03	0.4236	0	0.2150			1.160	0	0	q			
04/22/75	0.56	0.6026	0.2139	0.2150			1.741	1.634	1.634	1.634			
04/24/75	0.01	0.2150	0	0.2150			0	0		٧			
04/26/75	0.26	0.8082	0.2139	0.2150			2.899	1.634	1.634	1.634			
04/28/75	1.06	0.3699	0.2139	0.2150			0.5435	1.634	1.634	1.634			
05/03/75	0.03	0.2649	0	0.2150			0.3811	0	0				
05/04/75	0.25	0.5559	0.2139	0.2150			1.708	1.634	1.634	1.634			
05/14/75	0.16	0.5755	0.2139	0.2150			1.760	0					
	0.05	0.3011	0.2139	0.2150			0.4970	0		4			
	0.11	0.5260	0.2139	0.2150			1.482	0	0				
05/19/75		0.2543	0	0.2150			0.6606	0	_	_			
05/17/75 05/19/75 05/20/75	0.02			0.0150	0.4948	0.3026	0.8941	1.634	1.634	1.634			
05/19/75 05/20/75 05/20/75	0.29	0.3887	0.2139	0.2150									
05/19/75			0.2139 0.2139 0.2139	0.2150 0.2150 0.2150	0.4948		0.7571 1.010	1.634 0	1.634 0	1.634			

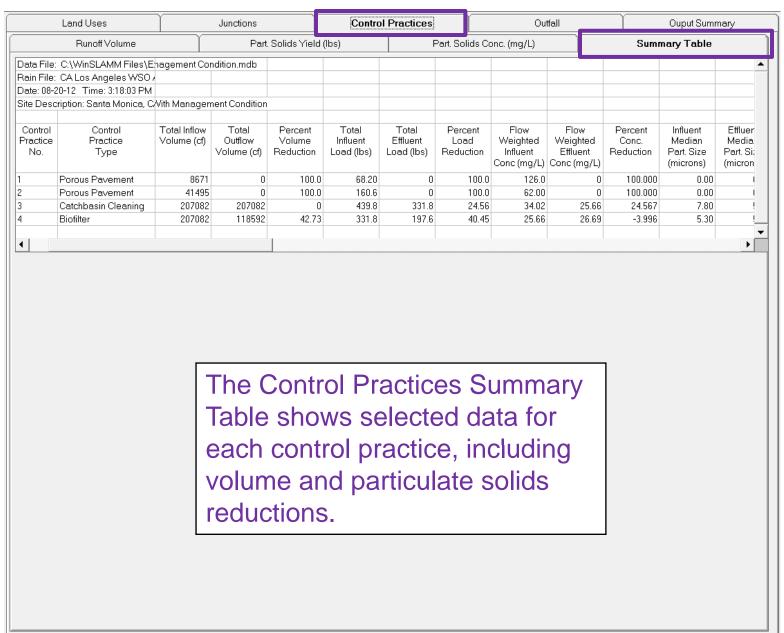
Land Use – Pollutant Output

Land Uses Junctions				Control Practices					Outfall				
	Runoff Volu	ime	<u> </u>	Particulate Solids					Pollutants				
	Yield				Concen	ntration		Source Area Yield Contribution					
	\WinSLAMM\Use		eference Gu	ide.mdb									
	sReg - Duluth MN												
	2 Time: 8:07:17												
Site Descripti	on: Biofilters, Com	mercial Developme	ent										
	Areas - Pollutant						- ·		- "	- "			
Start Date	Rain Total (in.)	Land f Use Totals		Paved Parking/ Storage 1	Driveways 1	Sidewalks/ Walks 1	Street Area 1	Large Landscaped Area 1	Small Landscaped Area 1	Small Landscaped Area 2			
03/04/75	-	-	-							-			
03/11/75	-	-	-	-	-		-						
03/18/75													
03/19/75	Tho	percer	tago	COD	tributi	ion of	-	-	-				
03/20/75	1116	hercer	ııay c	COH	uibuu		-	-	-	-			
03/20/75	000	n sourc	o orc	o fo	r agal	h ava	nt 🗔			-			
03/21/75	- Eaci	1 50u10	e ale	ta 10	l Eaci	i eve	т .	-	-	-			
03/23/75	lack	201110	a thic	toh			-	-	-	-			
03/26/75	15 51	nown o	ii uiis	iau.			47.4	13.5	4.0	3.2			
04/17/75	0.10	100.0	0.7	4.7	0.6	1.5	92.5	0.0	0.0	0.0			
04/17/75	0.19	100.0	1.8	6.6	0.8	2.0	88.9	0.0	0.0	0.0			
04/19/75	0.03	100.0	0.0	33.8	2.9	7.6	55.8	0.0	0.0	0.0			
04/22/75	0.56	100.0	4.7	17.3	2.1	5.6	62.4	5.1	1.5	1.2			
04/24/75	0.01	100.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0			
04/26/75	0.26	100.0	3.7	13.5	1.5	4.1	75.7	1.0	0.3	0.2			
04/28/75	1.06	100.0	7.3	28.6	3.2	8.5	29.5	14.9	4.4	3.5			
05/03/75	0.03	100.0	0.0	54.0	4.6	12.1	29.3	0.0	0.0	0.0			
05/04/75	0.25	100.0	5.4	19.6	2.3	6.0	64.9	1.2	0.4	0.3			
00/04/10	0.16	100.0	4.7	19.0	2.3	6.1	67.9	0.0	0.0	0.0			
05/14/75		100.0	1.1	42.4	4.7	12.5	39.4	0.0	0.0	0.0			
05/14/75 05/17/75	0.05	100.0			2.0	6.9	65.1	0.0	0.0	0.0			
05/14/75 05/17/75 05/19/75	0.05 0.11	100.0	4.1	21.3	2.6					0.0			
05/14/75 05/17/75 05/19/75 05/20/75	0.11 0.02		0.0	74.2	1.7	4.6	19.4	0.0	0.0	0.0			
05/14/75 05/17/75 05/19/75 05/20/75 05/20/75	0.11 0.02 0.29	100.0	0.0 7.8	74.2 27.9	1.7 3.2		19.4 48.2	0.0 2.9	0.9	0.7			
05/14/75 05/17/75 05/19/75 05/20/75	0.11 0.02 0.29 0.32	100.0 100.0	0.0	74.2	1.7	4.6							
05/14/75 05/17/75 05/19/75 05/20/75 05/20/75	0.11 0.02 0.29	100.0 100.0 100.0	0.0 7.8	74.2 27.9	1.7 3.2	4.6 8.5	48.2	2.9	0.9	0.7			
05/14/75 05/17/75 05/19/75 05/20/75 05/20/75 05/23/75	0.11 0.02 0.29 0.32	100.0 100.0 100.0 100.0	0.0 7.8 8.3	74.2 27.9 29.7	1.7 3.2 3.4	4.6 8.5 9.0	48.2 43.4	2.9 4.0	0.9 1.2	0.7 0.9			

Junction and Outfall - Output



Control Practices - Summary



Control Practices – Runoff Volume

Land Uses			Junctio	ons	Co	ntrol Practic	es	(Dutfall	Ĭ	Ouput Summary		
	Runoff Volu	me		Part. Solids `	Yield (lbs)		Part. Solids	Solids Conc. (mg/L) Summary Table					
Data File: C:	\WinSLAMM F	iles\Example F	iles\Retrofit E	xample With I	Management C	ic							
Rain File: CA	A Los Angeles	WSO AP 4899.F											
	2 Time: 3:18:												
Site Descript	tion: Santa Mo	nica, CA, Urban	Stormwater P	etrofit Exampl	e, With Manage	9							
Control Pract	tice Type ==>		CD# 1 - Para	us Pavement		CP#2 - Poro	us Pavement		CP#3-Catch	hacin Cloani	ng.	CP# 4-1	
	tice Name/Loc	cation ==>	SA Device, L			SA Device, L			DS Catchbas		ig .	DS Biofi	
Rain	Start		Influent	Effluent	Runoff Vol.	Influent	Effluent	Runoff Vol.	Influent	Effluent	Runoff Vol.	Influent	
Number	Date		Runoff	Runoff	Percent	Runoff	Runoff	Percent	Runoff	Runoff	Percent	Runoff	
			Vol.(cf)	Vol.(cf)	Reduction	Vol.(cf)	Vol.(cf)	Reduction	Vol.(cf)	Vol.(cf)	Reduction	Vol.(cf)	
164	01/17/54	0.25	131.8	0	100.00	630.8	0	100.00	3670	3670	0.00		
165	01/18/54	1.16	812.6	0	100.00	3889	0	100.00	19251	19251	0.00	1	
166	01/19/54	0.95	659.0	0	100.00	3154	0	100.00	15595	15595	0.00	1	
167	01/23/54	1.12	782.8	0	100.00	3746	0	100.00	18548	18548	0.00	1	
168	02/13/54	3.28	2384	0	100.00	11407	0	100.00	55108	55108	0.00	5	
169	02/14/54	0.02	0.6592	0	100.00	3.155	0	100.00	41.90	41.90	0.00		
170	02/17/54	0.06				_				458.0	0.00	2	
171	03/16/54	0.60	□ Rui	nott \	/olum	ne tor	each	n rain	itall	9667	0.00		
172	03/19/54	0.77			VOIGIT	10 101	oaoi	1 I dil	IIII	12524	0.00	1	
173	03/20/54	0.14		ont fo	rooc	h cor	strol	orooti	00	1837	0.00		
174	03/21/54	0.26	I EVE		r eac		iti Oi į	Jiacii	CE,	3835	0.00		
175	03/24/54	0.03			or ar	B 4:				98.11	0.00		
176	03/24/54	0.14	⊓ alo	na w	ith the	e IVIIn	ıımun	n.		1837	0.00		
177	03/29/54	0.66						-		10670	0.00	1	
178	04/27/54	0.11		vimu	m, Av	/Arad	A an	nd Tot	· ၁	1346	0.00		
179	05/15/54	0.01	Ivia	AIITIU	III, 🗥	reray	c, ai	iu iui	.ai	10.31	0.00	-	
180	05/29/54	0.01		ره ما ه		414.	حا ۵ ا			10.31	0.00	-	
181	06/13/54	0.01	⊔ are	Snov	wn or	i this	iad.			10.31	0.00	-	
	07/24/54	0.01								10.31	0.00	1	
182	08/03/54	0.04	12.54			59.99			178.9			1	
183			834.6	0	100.00	3994	0		19770	19770		1	
183 184	11/10/54	1.19							1 1700	178.9	0.00	1	
183 184 185	11/15/54	0.04	12.54	0		59.99			178.9			-	
183 184 185 186	11/15/54 11/29/54	0.04 0.01	12.54 0	0	0	0	0	0	10.31	10.31	0.00	1	
183 184 185 186 187	11/15/54 11/29/54 12/03/54	0.04 0.01 0.37	12.54 0 208.8	0 0	100.00	999.4	0	100.00	10.31 5738	10.31 5738	0.00 0.00		
183 184 185 186 187 188	11/15/54 11/29/54 12/03/54 12/04/54	0.04 0.01 0.37 0.01	12.54 0 208.8 0	0 0 0	0 100.00 0	999.4 0	0 0	100.00 0	10.31 5738 10.31	10.31 5738 10.31	0.00 0.00 0.00		
183 184 185 186 187	11/15/54 11/29/54 12/03/54	0.04 0.01 0.37	12.54 0 208.8	0 0 0	0 100.00 0	999.4	0 0	100.00 0	10.31 5738	10.31 5738 10.31	0.00 0.00 0.00		
183 184 185 186 187 188 189 Minimum:	11/15/54 11/29/54 12/03/54 12/04/54	0.04 0.01 0.37 0.01 0.36	12.54 0 208.8 0 202.1	0 0 0 0 0	0 100.00 0 100.00	0 999.4 0 967.0	0 0 0 0	0 100.00 0 100.00	10.31 5738 10.31 5558	10.31 5738 10.31 5558 10.31	0.00 0.00 0.00 0.00	-	
183 184 185 186 187 188 189 Minimum:	11/15/54 11/29/54 12/03/54 12/04/54	0.04 0.01 0.37 0.01 0.36 0.01	12.54 0 208.8 0 202.1 0.00 2384.00	0 0 0 0 0 0.00	0 100.00 0 100.00 0.00	0 999.4 0 967.0 0.00 11407.00	0 0 0 0 0.00	0 100.00 0 100.00 0.00	10.31 5738 10.31 5558 10.31 55108.00	10.31 5738 10.31 5558 10.31 55108.00	0.00 0.00 0.00 0.00 0.00	5510	
183 184 185 186 187 188 189 Minimum:	11/15/54 11/29/54 12/03/54 12/04/54	0.04 0.01 0.37 0.01 0.36	12.54 0 208.8 0 202.1	0 0 0 0 0 0.00	0 100.00 0 100.00 0.00 100.00 78.57	0 999.4 0 967.0	0 0 0 0 0.00 0.00	0 100.00 0 100.00 0.00 100.00 78.57	10.31 5738 10.31 5558	10.31 5738 10.31 5558 10.31 55108.00	0.00 0.00 0.00 0.00 0.00		

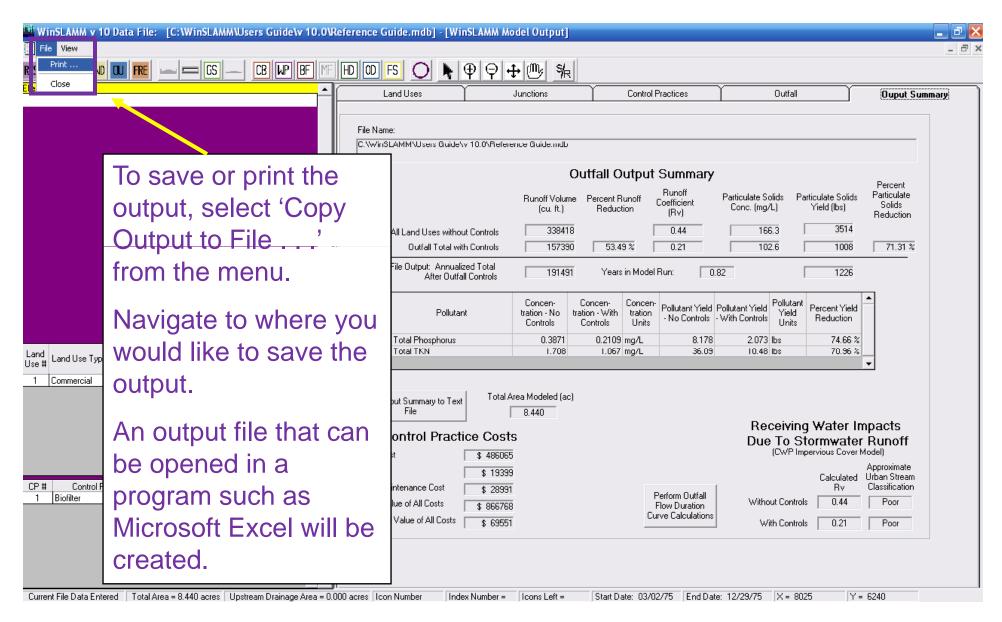
Control Practices – Particulate Solids Yield

Land Uses			Junctions Control Practices					Outfall			Ouput Summary		
	Runoff Volun	ne	Part. Solids Yield (lbs) Part. Solids Conc. (mg/L) Summary Table										
Data File: C:	\WinSLAMM F	iles\Example l	Files\Retrofit E	xample With	Management (à							
		WSO AP 4899.	F										
	2 Time: 3:18:												
Site Descript	ion: Santa Moi	nica, CA, Urban	Stormwater P	tetrofit Exampl	le, With Manag	e							
N	т.		OD#4 D	D		OD#0 D	D		00#3 0-4-6	Ol		00#4.	
	ice Type ==>			us Pavement		CP#2-Poro			CP#3-Catch		ng	CP# 4 - E	
	ice Name/Loc			U#1,SA#27	D-AVE-14	SA Device, L		D-486-14	DS Catchbas		D-4V5-I-I		
Rain Number	Start Date	Rain Total (in)	Influent Part. Sol.	Effluent Part. Sol.	Part.Yield Percent	Influent Part. Sol.	Effluent Part. Sol.	Part.Yield Percent	Influent Part. Sol.	Effluent Part, Sol.	Part.Yield Percent	Influent Part. Sol	
Mullipel	Date	rotar (iii)	Yield(lbs)	Yield(lbs)	Reduction		Yield(lbs)	Reduction	Yield(lbs)	Yield(lbs)	Reduction	Yield(lbs	
164	01/17/54	0.25	1.037	, ,		2.441	0		7.663	` '			
165	01/17/54	1.16	6.392			15.05	_		40.92	31.05		3	
166	01/10/54	0.95	5.184		100.00	12.21	0		33.16	24.95		2	
167	01/13/54	1.12	6.158			14.50	_		39.43	26.96		2	
168	02/13/54	3.28	18.75	-	100.00	44.15			117.5	97.70		9	
169	02/14/54	0.02	0.005185			0.01221	0		0.08242			0.0	
170	02/17/54	0.06		_			_			0.5238		0.	
171	03/16/54	0.60	∃ Par	ticula	ata S	alide	Viald	l for e	ach	14.16			
172	03/19/54	0.77	H I ai	ticula	ale o	Ullus	1 1010		acii	19.72		·	
173	03/20/54	0.14		4-11-		f	ء جاء ۾		. I	2.110		2	
174	03/21/54	0.26	⊣ raır	ıralı e	event	Tor ea	acn (contro)	4.428			
175	03/24/54	0.03			_					0.09188		0.0	
176	03/24/54	0.14	∃ nra	ctice	, alor	na wit	h the	Ž		3.020	21.67	3	
177	03/29/54	0.66	HPIG	Otioo	, aloi	ig wit	11 (11)			16.47	27.41		
178	04/27/54	0.11	∐ N /lin	vimuur	m 1/1	vimu	Δ	verag	10	1.535	45.69	1	
179	05/15/54	0.01		IIIIIUI	II, IVIC	axiiiiu	ш, А	veraç	je,	0.009655		0.00	
180	05/29/54	0.01		. — .		100		41.1	. 1	0.009655	50.00	0.00	
181	06/13/54	0.01	🗆 and	i lota	al are	shov	vn or	n this	tab.	0.009655	50.00	0.00	
182	07/24/54	0.01								0.009655	50.00	0.00	
183	08/03/54	0.04	0.09861	0	100.00	0.2322	0	100.00	0.4101	0.1773	56.77	0.	
184	11/10/54	1.19	6.565	0	100.00	15.46	0	100.00	42.03	30.31	27.87	3	
185	11/15/54	0.04	0.09861	0		0.2322			0.4101	0.1777	56.68	0.	
186	11/29/54	0.01	0	0	0	0	0	0	0.01931	0.009655	50.00	0.00	
187	12/03/54	0.37	1.643	0	100.00	3.868	0	100.00	12.00	7.871	34.40		
188	12/04/54	0.01	0	_	_	0		-	0.01931	0.009655	50.00	0.00	
189	12/09/54	0.36	1.589	0	100.00	3.743	0	100.00	11.62	8.367	28.00	8	
vlinimum:		0.01	0	0	0	0	0	0	0.01931	0.009655	16.84	0.00	
Maximum:		3.28	18.75	0	100.0	44.15	0	100.0	117.5	97.70	57.39	9	
Average:		0.46	2.436	0	78.57	5.736	0	78.57	15.71	11.85	38.75	1	
Total:		12.91	68.20	0	100.00	160.6	0	100.00	439.8	331.7	24.57		

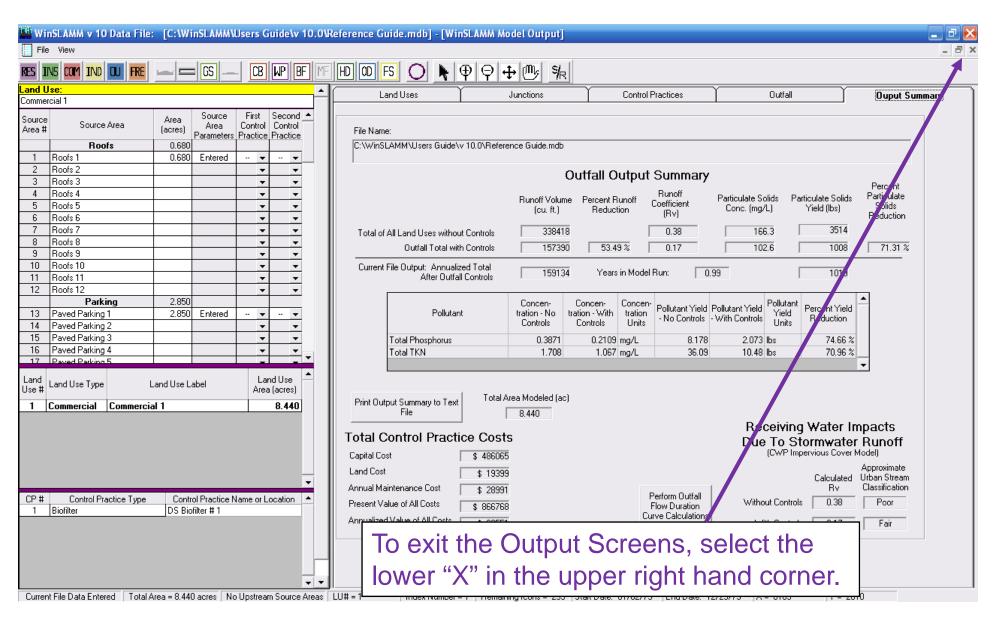
Control Practices – Particulate Solids Concentration

Land Uses			Junctions Control Practices						Outfall Ouput Sum			mary
	Runoff Volun	me Part. Solids Yield (lbs) Part. Solids Conc. (mg/L) Summary Table										
Data File: C:\	WinSLAMM F	iles\Example f	Files\Retrofit E	xample With	Management C	¢						
		WSO AP 4899.	F									
	2 Time: 3:18:											
Site Descripti	on: Santa Mor	nica, CA, Urban	Stormwater R	etrofit Exampl	e, With Manage							
Control Practi	ce Type ==>		CP#1-Poro	us Pavement		CP#2-Poro	us Pavement		CP#3-Catch	basin Cleanir	nq	CP# 4 - E
Control Practi	ce Name/Loc	ation ==>	SA Device, L	U#1,SA#27		SA Device, L	U#1,SA#33		DS Catchbas	ins#1	_	DS Biofil
Rain	Start	Rain	Influent	Effluent	Part.Conc.	Influent	Effluent	Part.Conc.	Influent	Effluent	Part.Conc.	Influent
Number	Date	Total (in)	Part. Sol.	Part. Sol.	Percent	Part. Sol.	Part. Sol.	Percent	Part. Sol.	Part. Sol.	Percent	Part. Sol
			Conc.(mg/L)	Conc.(mg/L)	Reduction	Conc.(mg/L)	Conc.(mg/L)	Reduction	Conc.(mg/L)	Conc.(mg/L)	Reduction	Conc.(m
164	01/17/54	0.25	126.0	126.0	0	62.00	62.00	0	33.45	22.47	32.81	2
165	01/18/54	1.16	126.0	126.0	0	62.00	62.00	0	34.05	25.84	24.11	2
166	01/19/54	0.95	126.0	126.0	0	62.00	62.00	0	34.06	25.63	24.76	2
167	01/23/54	1.12	126.0	126.0	0	62.00	62.00	0	34.05	23.28	31.62	2
168	02/13/54	3.28	126.0	126.0	0	62.00	62.00	0	34.15	28.40	16.84	2
169	02/14/54	0.02	D 4			~		4	.51	15.00		1
170	02/17/54	0.06	Part	ıculat	te Sol	ids C	oncei	ntratio)n _{1.28}			1
171	03/16/54	0.60							1.05			2
172	03/19/54	0.77	for e	ach i	rainfal		nt for	each	1.09			2
173	03/20/54	0.14		aciii	anna			Cacil	0.02			1
174	03/21/54	0.26	cont	rolpr	cotice			th the	B.45			1
175	03/24/54	0.03	COLI	roi pi	actice	z, aiu	ng wi	ui uie	5.20			1
176	03/24/54	0.14	N //::	-	N /		اء ما ما		8.62			2
177	03/29/54	0.66	ıvıını	mum	, Max	ımum	ı and		1.06			2
178	04/27/54	0.11			•				8.63			1
179	05/15/54	0.01	Aver	rage :	are sh	nwn	on th	iis tah	0.00			1
180	05/29/54	0.01	, ()	ago		10 1111		iio tab				1
181	06/13/54	0.01		0	0	0	0	0				1
182	07/24/54	0.01	100.0	_	-	0 00	0 00	-	30.00			1
183	08/03/54	0.04	126.0		-	62.00	62.00		36.73			
184 185	11/10/54	1.19 0.04	126.0 126.0	-		62.00 62.00	62.00 62.00		34.05 36.73			1
186	11/15/54 11/29/54	0.04	126.0		-	62.00	62.00		30.00			
187	12/03/54	0.01	126.0		-	62.00	62.00		30.00			1 2
188	12/03/54	0.37	126.0		_	02.00	62.00 O		30.00			1
189	12/04/54	0.01	126.0		-	62.00	62.00	-	33.49			1 2
Minimum:		0.01	0			0			30.00			1
Maximum:		3.28	126.0		-	62.00	62.00	-	36.73			1 2
Average:		0.46	99.00		-	48.71	48.71	0	33.19			2

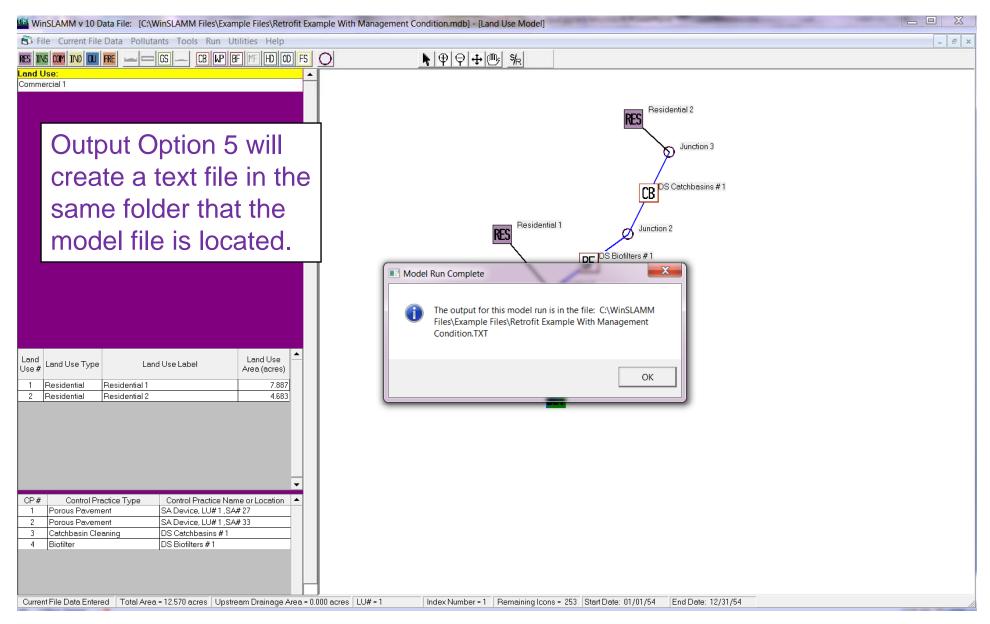
Saving/Printing the Output



Exiting the Output



Output Option 5 One Line per Event Summary



Output Option 5 - One Line per Event Summary

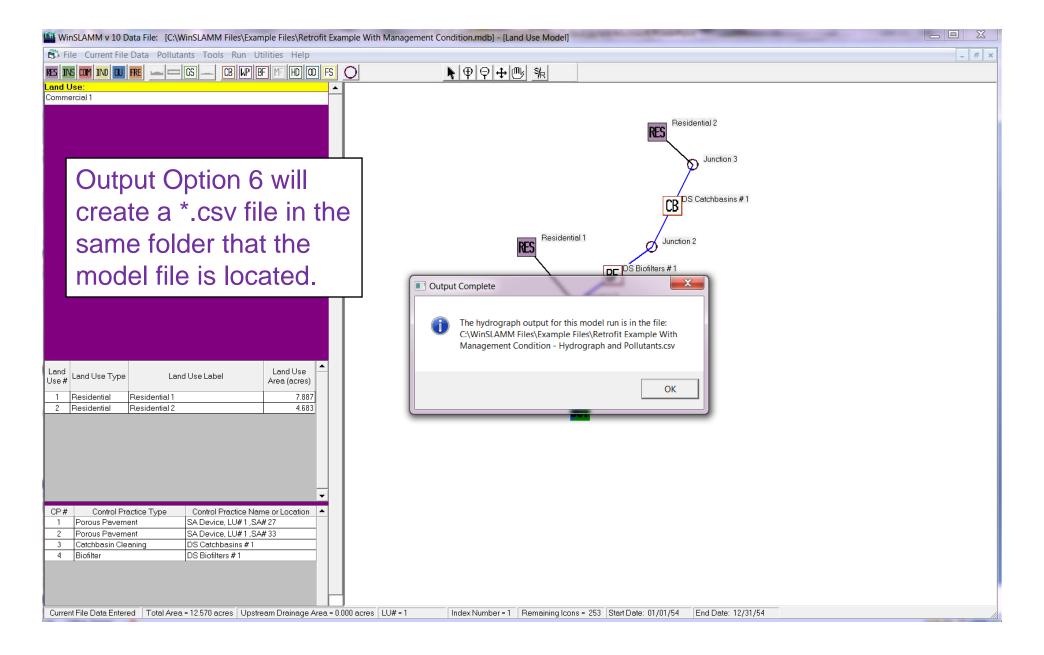
Rain Start Rain Start
Number Start Start Start Start Duration Interevent Duration Depth Victor Duration Data Trime & Time &
Date
162
163
164 01/17/54 19:00 747.79 8.00 0.42 9.60 0.25 165 01/18/54 13:00 748.54 16.00 0.29 19.20 1.16 26 166 01/19/54 12:00 749.50 14.00 3.63 16.80 0.95 16 167 01/23/54 17:00 733.71 36.00 19.00 43.20 1.12 26 168 02/13/54 05:00 774.21 15.00 0.42 18.00 3.28 106 169 02/14/54 06:00 775.25 5.00 3.42 6.00 0.02 170 02/17/54 21:00 788.8 3.00 26.63 3.60 0.06 171 03/16/54 15:00 805.63 15.00 2.67 18.00 0.66 171 03/16/54 15:00 805.63 15.00 2.67 18.00 0.66 172 03/19/54 22:00 808.92 11.00 0.63 12.00 0.77 16 173 03/20/54 18:00 809.75 10.00 0.63 12.00 0.77 16 174 03/21/54 19:00 810.79 20.00 1.71 24.00 0.26 175 03/24/54 08:00 813.33 4.00 0.37 4.80 0.03 175 03/24/54 08:00 813.33 4.00 0.37 4.80 0.03 177 188 181 179 188 188 12/04/54 07:00 1,063.29 1.00 3.87 1.20 0.01 1.19 1.19 1.18 11/15/54 18:00 1,063.29 1.00 3.87 1.20 0.01 1.19 1.19 1.19 1.19 1.19 1.19 1.1
165
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
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$ \begin{array}{c} \begin{array}{c} 175 \\ 176 \\ 177 \\ 178 \\ 179 \\ 180 \\ 181 \\ 182 \\ 183 \\ 183 \\ 184 \\ 185 \\ 184 \\ 185 \\ 11/15/54 \\ 186 \\ 11/29/54 \\ 187 \\ 1280 \\ 1281 \\ 188 \\ 12/04/54 \\ 1880 \\ 12/09/54 \\ 15:00 \\ 10.001 \\ 10.0$
The Output Option 5 text file can be reviewed in a text editor. It'll provide additional output such as runoff duration and peak flow for each event.
The Output Option 5 text file can be reviewed in a text editor. It'll provide additional output such as runoff duration and peak flow for each event. 1
text editor. It'll provide additional output such as runoff duration and peak flow for each event. 11/15/54 18:00 1,049.75 3.00 13.42 3.60 0.04 186 11/29/54 07:00 1,063.29 1.00 3.87 1.20 0.01 187 12/03/54 05:00 1,067.21 16.00 0.25 19.20 0.37 188 12/04/54 03:00 1,068.13 1.00 5.46 1.20 0.01 188 12/04/54 03:00 1,068.13 1.00 5.46 1.20 0.01 189 12/09/54 15:00 1,073.63 8.00 0.00 9.60 0.36 1.00 Summary Statistics Rain Rain Runoff Rain Ru
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text editor. It'll provide additional output such as runoff duration and peak flow for each event. 181 11/15/54
runoff duration and peak flow for each event. 182
runoff duration and peak flow for each event. 11/15/54
TUNON QUITATION AND PEAK NOW TOF EACH EVENT. 0.04 1.19 25 185 11/15/54 18:00 1,049.75 3.00 13.42 3.60 0.04 1.19 25 186 11/29/54 07:00 1,063.29 1.00 3.87 1.20 0.01 1.87 12/03/54 05:00 1,067.21 16:00 0.25 19:20 0.37 5 188 12/04/54 03:00 1,068.13 1.00 5.46 1.20 0.01 1.89 12/09/54 15:00 1,073.63 8:00 0.00 9:60 0.36 5 1.80 1.20 1.
184
185 11/15/54 18:00 1,049.75 3.00 13.42 3.60 0.04 186 11/29/54 07:00 1,063.29 1.00 3.87 1.20 0.01 187 12/03/54 05:00 1,067.21 16.00 0.25 19.20 0.37 1 188 12/04/54 03:00 1,068.13 1.00 5.46 1.20 0.01 189 12/09/54 15:00 1,073.63 8.00 0.00 9.60 0.36 1 Summary Statistics Rain Rain Runoff Duration Interevent Duration Pepth Voice (hrs) Period(days) (hrs) (in) 27 28 27 Total Equivalent Annual Total 248.0 322.1 297.6 12.91 28 Equivalent Annual Total 272.5 354.0 327.1 14.19 31
186 11/29/54 07:00 1,063.29 1.00 3.87 1.20 0.01 187 12/03/54 05:00 1,067.21 16.00 0.25 19.20 0.37 1 188 12/04/54 03:00 1,068.13 1.00 5.46 1.20 0.01 189 12/09/54 15:00 1,073.63 8.00 0.00 9.60 0.36 1 Summary Statistics Rain Duration Interevent (hrs) Period(days) (hrs) Period(days) (hrs) (hrs) 0.01 Number of Events Total Equivalent Annual Total Equivalent Annual Total 272.5 354.0 322.1 297.6 12.91 28 27 27 28 27 27 28 27 27 28 28 27 28 28 28 28 28 <t< td=""></t<>
187 12/03/54 05:00 1,067.21 16.00 0.25 19.20 0.37 188 188 12/04/54 03:00 1,068.13 1.00 5.46 1.20 0.01 189 12/09/54 15:00 1,073.63 8.00 0.00 9.60 0.36 19.20 Summary Statistics Rain Rain Runoff (hrs) Rain Duration Interevent (hrs) Duration (hrs) Depth Vote (hrs) Period(days) (hrs) 19.20 0.37 12.21 Number of Events Total 27 27 28 27 248.0 322.1 297.6 12.91 28 Equivalent Annual Total 272.5 354.0 327.1 14.19 31
188 12/04/54 03:00 1,068.13 1.00 5.46 1.20 0.01 189 12/09/54 15:00 1,073.63 8.00 0.00 9.60 0.36 4 Summary Statistics Rain Rain Runoff Duration Interevent Duration Pepth Volume 0.01
Rain Rain Runoff Rain Runoff Rain Runoff
Duration Interevent Duration Depth Volume (hrs) Period(days) (hrs) (in) Number of Events 27 27 28 27 Total 248.0 322.1 297.6 12.91 28 Equivalent Annual Total 272.5 354.0 327.1 14.19 31
Duration Interevent Duration Depth Volume (hrs) Period(days) (hrs) (in) Number of Events 27 27 28 27 Total 248.0 322.1 297.6 12.91 28 Equivalent Annual Total 272.5 354.0 327.1 14.19 31
(hrs) Period(days) (hrs) (in) Number of Events 27 27 28 27 Total 248.0 322.1 297.6 12.91 28 Equivalent Annual Total 272.5 354.0 327.1 14.19 31
Number of Events 27 27 28 27 Total 248.0 322.1 297.6 12.91 28 Equivalent Annual Total 272.5 354.0 327.1 14.19 31
Total 248.0 322.1 297.6 12.91 20 20 20 20 20 20 20 20 20 20 20 20 20
Equivalent Annual Total 272.5 354.0 327.1 14.19 31
Equivalent Annual Total 2/2.3 334.0 32/.1 14.19 31
Minimum 1.000 0 1.200 1.000E+07
Maximum 36.00 99.38 43.20 3.280 10
Average of All Events 8.857 11.50 10.63 0.4611 1
Median 6.000 3.792 7.800 0.1400
Stnd. Deviation 8.767 20.08 10.52 0.6950
COV 0.9899 1.746 0.9899 1.507
First Rain Date: 01/11/54
Last Rain Date: 12/09/54

Total Time Period (yrs): 0.9099315

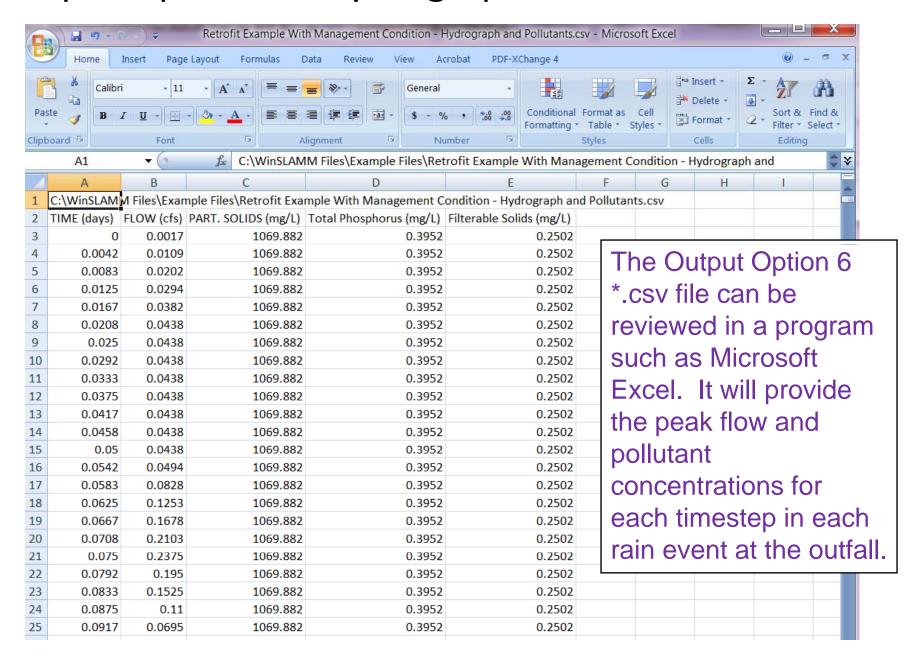
Output Option 5 - One Line per Event Summary

File Edit	Format View Hel	р					
ain	Runoff	R_sub_v	Average	Peak	Suspended	Suspended	Pre-Develop.
pth	Volume		Flow	Flow	Solids	Solids	Runoff
in)	(cf)	:	(cfs)	(cfs)	Conc(mg/L)	Mass (1bs)	Volume (cf)
. 09	838	0.20	0.06	0.24	1,070	56	
. 21	32,379	0.59	1.25	4.40	106	214	
. 25	3,521	0.31	0.10	0.33	361	79	
.16	26,757	0.51	0.39	1.17	93	156	
. 95	19,477	0.45	0.32	1.02	101	123	
.12	20,943	0.41	0.13	0.42	100	130	
. 28	100,361	0.67	1.55	5.37	49	310	
0.02	19	0.02	0.00	0.00	3,235	4	
0.06	445	0.16	0.03	0.12	819	23	
. 60	10,857	0.40	0.17	0.53	203	137	
.77	16,656	0.47	0.35	1.05	138	143	
1.14	1,521	0.24	0.04	0.14	524	50	
26	3,240	0.27	0.04	0.14	318	64	
.03	1112	0.08	0.01	0.02	1,066	.7	
.14	1,781	0.28	0.41	1.40	394	44	
. 66	12,499	0.42	0.26	0.78	132	103	
.11	1,155	0.23	0.04	0.13	805	58	
.01	4	0.01	0.00	0.00	466	0	
.01	4	0.01	0.00	0.00	466	0	
.01	4	0.01	0.00	0.00	466	0	
.01	4	0.01	0.00	0.00	466	0	
.04	245	0.13	0.03	0.10	2,888	44	
.19	23,837	0.44	0.20	0.60	166	246	
.04	245	0.13	0.02	0.07	2,325	36	
.01	_ 4	0.01	0.00	0.00	466	0	
. 37	5,836	0.35	0.08	0.27	398	145	
.01	2	0.00	0.00	0.00	787	0	
. 36	5,979	0.36	0.17	0.51	334	125	
ain	Runoff	R sub v	Average	Peak	Suspended	Suspended	Pre-Develop.
pth	Volume		Flow	Flow	Solids	Solids	Runoff
in)	(cf)		(cfs)	(cfs)	Conc(mg/L)	Mass(lbs)	Volume (cf)
27	28	28	28	28	28	28	Number of Events
. 91	288725	n/a	n/a	n/a	n/a	2299	Total
.19	317304	n/a	n/a	n/a	n/a	2526	Equivalent Annual Tota
+07	2.195	0.004811	5.081E-04	0.002170	49.48	0.1079	Minimum
280	100361	0.6706	1.549	5.375	3235	310.0	Maximum
611	10312	0.2560	0.2022	0.6728	669.3	82.09	Average of All Events
400	1651	0.2556	0.05144	0.1889	432.0	57.02	Median
950	20090	0.1973	0.3638	1.263	817.7	82.11	Stnd. Deviation
507	1.948	0.7708	1.799	1.878	1.222	1.000	COV

Output Option 6 – Hydrograph with Concentrations

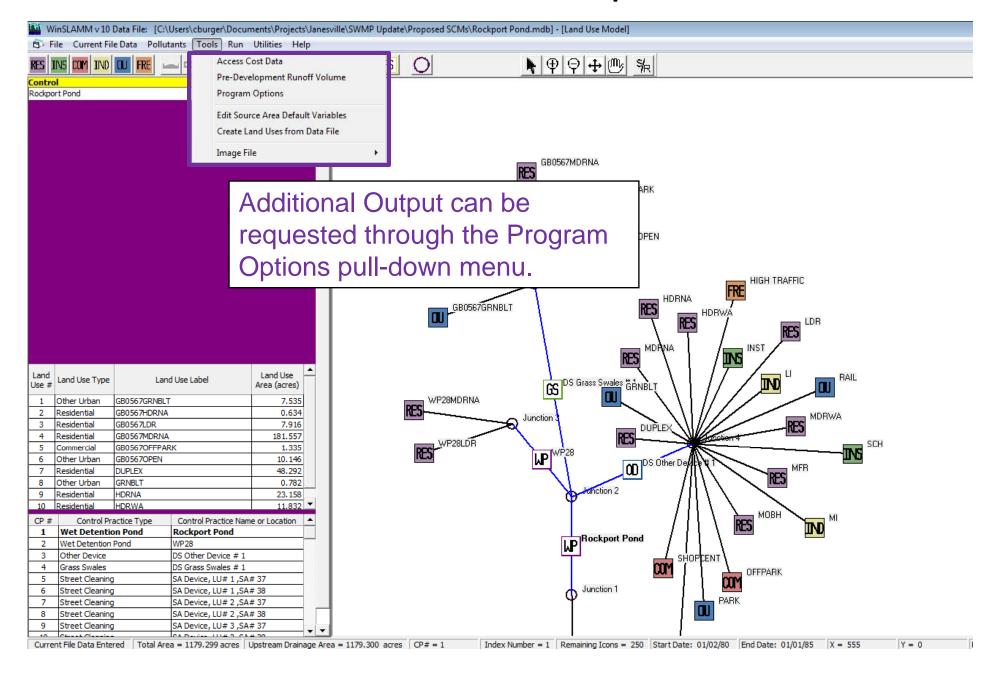


Output Option 6 – Hydrograph with Concentrations



Additional Output

Additional Output

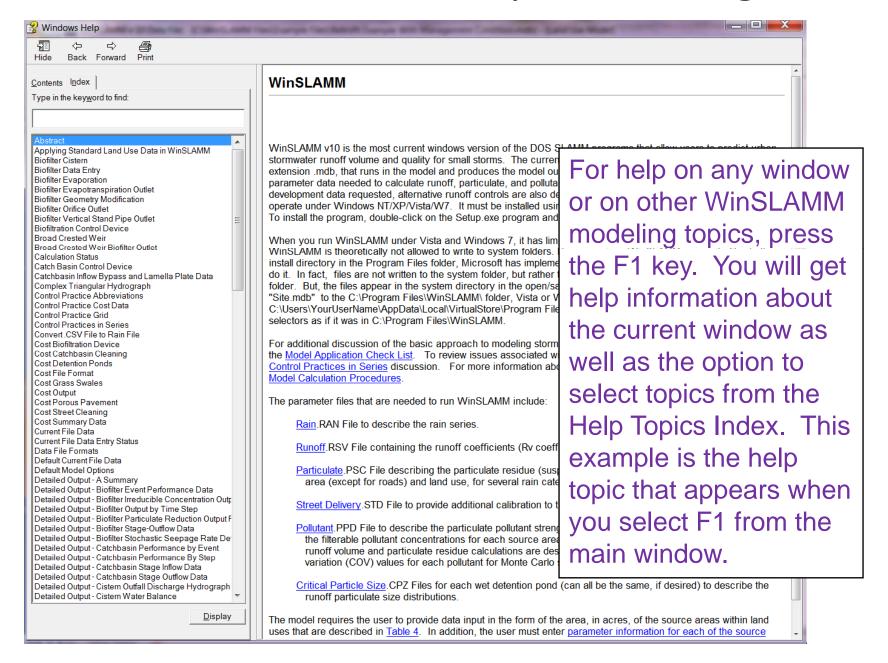


Additional Output

🤼 Program Options			X
Detailed Output File Options	Default Model Options	Default Current File Data	
Biofilters Detailed Biofilter Output Irreducible Concentration Detailed Output Stage-Outflow Stochastic Seepage Rate Detail Water Balance Evapotranspiration Detail Catchbasins Performance by Event 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 Preducible Concentration Detailed Output Praticulate Reduction Output Particulate Reduction Output Potting Calculations Critical Particle Size Calculation 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 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 (all types) Detailed Time Step Output Stage-Outflow Data Stage-Area-Storage 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	
File Update Options	·	Changes Save INI File	
Space Space	Curicu	out in the	

For Additional Information See . . .

The Context-Sensitive Help in the Program





Questions?

For model information, go to www.winslamm.com Remember to Press the "F1" to access the Help File