

## Vereinfachtes Kanalnetzsystem IST-Zustand (S\_Z0\_DEF.SIF)

SAMBA		VOLUMES							
STRUCTURE		Bassinvolume + Volume of pipes = Total				Coordinates			
<No>	Node	under weir level	m3	+ Volume of pipes upstream, under weir lev.	m3	= Total volume	m3	X	Y
								m	m
< 1>	RAIV	439.0	+	0.0	=	439.0		641183.0	245774.3
< 2>	RAVIII	81.6	+	0.0	=	81.6		639432.3	244830.2
< 3>	OBRAI	0.9	+	0.0	=	0.9		642688.4	250936.7
< 4>	OBRAIII	1.7	+	0.0	=	1.7		643000.4	250339.2
< 5>	RAXVIII	3.1	+	0.0	=	3.1		643087.3	249732.9
< 6>	RAXVII	29.6	+	0.0	=	29.6		643037.9	249399.6
< 7>	RAXVI	92.1	+	0.0	=	92.1		643080.0	248676.1
< 8>	RB15c	402.9	+	0.0	=	402.9		643271.4	248591.4
< 9>	SC_83	3.0	+	0.0	=	3.0		642202.3	246260.8
< 10>	NG_RAI	0.8	+	0.0	=	0.8		641864.6	247278.4
< 11>	NG_557	0.4	+	0.0	=	0.4		641976.2	247138.1
< 12>	NG_80^1	11.3	+	0.0	=	11.3		640404.0	246710.9
< 13>	RAXIV	2.2	+	0.0	=	2.2		641038.8	246594.4
< 14>	RAXIII	5.3	+	0.0	=	5.3		641353.6	246531.6
< 15>	RAXII	35.3	+	0.0	=	35.3		641550.2	246543.9
< 16>	RAXI	107.7	+	0.0	=	107.7		641866.4	246657.9
< 17>	NG_RA45	2.4	+	0.0	=	2.4		640489.7	246436.4
< 18>	GR_RA1	13.3	+	0.0	=	13.3		641935.2	245929.4
< 19>	GR_RA2	11.9	+	0.0	=	11.9		641494.6	245746.0
< 20>	GR_RA3	2.5	+	0.0	=	2.5		641966.4	245523.0
< 21>	GR_RA5	28.3	+	0.0	=	28.3		642237.6	244962.4
< 22>	GR_RA4	15.9	+	0.0	=	15.9		641935.0	245306.2
< 23>	GR_RA8	6.3	+	0.0	=	6.3		641929.8	245491.1
< 24>	GR_RKB	363.0	+	0.0	=	363.0		641781.4	245742.6
< 25>	OG_4511	58.4	+	0.0	=	58.4		639052.8	246082.0
< 26>	OG_4541	22.7	+	0.0	=	22.7		639064.0	246096.0
< 27>	OG_4522	260.0	+	0.0	=	260.0		639062.2	246099.0
< 28>	OG_R7^1	200.0	+	0.0	=	200.0		639188.5	245154.0
< 29>	OG_R7^3	43.4	+	0.0	=	43.4		639199.0	245143.0
< 30>	OG_R8^1	4.4	+	0.0	=	4.4		638837.5	245220.0
< 31>	OG_R8^3	38.2	+	0.0	=	38.2		638989.9	245026.9
< 32>	RAVII	326.6	+	0.0	=	326.6		641368.6	246444.0
< 33>	RAVI	310.0	+	0.0	=	310.0		641831.1	246543.0
< 34>	DA_RA5	2.8	+	0.0	=	2.8		641256.5	244856.3
< 35>	DA_RA6	0.7	+	0.0	=	0.7		641221.3	244525.7
< 36>	RAV	320.9	+	0.0	=	320.9		641190.6	245734.3
< 37>	NG_592	1.2	+	0.0	=	1.2		641739.5	247090.5
< 38>	RAX	102.5	+	0.0	=	102.5		642119.4	246892.3
< 39>	RAIX	130.5	+	0.0	=	130.5		642257.8	247163.3
< 40>	SC_680	1.2	+	0.0	=	1.2		642760.5	246582.9
< 41>	SC_679	0.0	+	0.0	=	0.0		642698.2	246612.5
< 42>	SC_678	0.0	+	0.0	=	0.0		642641.6	246642.7
< 43>	RAIII	726.8	+	0.0	=	726.8		642088.3	246597.0
< 44>	RAII	2068.3	+	0.0	=	2068.3		642462.2	247430.6
< 45>	RAI	629.5	+	0.0	=	629.5		643324.2	248066.9
< 46>	ARA1	10.0	+	0.0	=	10.0		643298.9	248110.3
< 47>	RB_ARA	1275.0	+	0.0	=	1275.0		643277.4	248109.7
< 48>	56d	0.0	+	0.0	=	0.0		641305.0	245968.2
< 49>	308a	0.0	+	0.0	=	0.0		643362.6	248530.6
< 50>	159c	0.0	+	0.0	=	0.0		639505.7	244885.5
< 51>	NEM6	0.0	+	0.0	=	0.0		643061.0	250278.1
< 52>	Bachein	0.0	+	0.0	=	0.0		642701.0	250936.8
< 53>	OB1c	0.0	+	0.0	=	0.0		643054.7	250323.6
< 54>	NE630	0.0	+	0.0	=	0.0		643140.3	249741.0
< 55>	Bache^1	0.0	+	0.0	=	0.0		643036.4	249382.3
< 56>	Bache^2	0.0	+	0.0	=	0.0		643085.0	248629.8
< 57>	NE612V	0.0	+	0.0	=	0.0		642766.1	249884.9
< 58>	SC_25^1	0.0	+	0.0	=	0.0		642506.2	247781.7

< 59>	SC_1003	0.0	+	0.0	=	0.0	643755.3	247966.8
< 60>	SC_Aare	0.0	+	0.0	=	0.0	642452.3	247444.0
< 61>	SC_Aa^1	0.0	+	0.0	=	0.0	642087.8	246616.9
< 62>	SC_Ka^1	0.0	+	0.0	=	0.0	642189.7	246261.8
< 63>	SC_1019	0.0	+	0.0	=	0.0	643320.6	248030.4
< 64>	Aare6	0.0	+	0.0	=	0.0	642273.7	247085.4
< 65>	GR_15d	0.0	+	0.0	=	0.0	641495.4	245875.0
< 66>	GR_200d	0.0	+	0.0	=	0.0	641929.0	245966.8
< 67>	GR_30^1	0.0	+	0.0	=	0.0	641833.8	245900.1
< 68>	GR_900a	0.0	+	0.0	=	0.0	641642.6	245839.0
< 69>	GR_R1^1	0.0	+	0.0	=	0.0	641995.5	245238.7
< 70>	GR_R17B	0.0	+	0.0	=	0.0	642467.1	244658.2
< 71>	GR_R18A	0.0	+	0.0	=	0.0	641940.3	245420.2
< 72>	GR_R19A	0.0	+	0.0	=	0.0	641930.9	245511.4
< 73>	GR_R20A	0.0	+	0.0	=	0.0	642244.1	244938.1
< 74>	GR_R21B	0.0	+	0.0	=	0.0	642220.3	244851.2
< 75>	GR_RA^7	0.0	+	0.0	=	0.0	641926.4	245305.7
< 76>	GR_RA^8	0.0	+	0.0	=	0.0	642228.9	244974.6
< 77>	GR_RA^9	0.0	+	0.0	=	0.0	641934.9	245492.5
< 78>	OG_4512	0.0	+	0.0	=	0.0	639067.3	246085.0
< 79>	OG_4542	0.0	+	0.0	=	0.0	639072.5	246087.4
< 80>	OG_7411	0.0	+	0.0	=	0.0	639180.5	245098.5
< 81>	OG_8111	0.0	+	0.0	=	0.0	638830.0	245224.5
< 82>	OG_8313	0.0	+	0.0	=	0.0	639087.4	245099.5
< 83>	ARA_o^1	0.0	+	0.0	=	0.0	643258.8	248157.6
< 84>	RB_AR^1	0.0	+	0.0	=	0.0	643253.9	248116.2
		8193.6	+	0.0	=	8193.6		

SAMBA

SIMPLIFIED SEWER NETWORK

STRUCTURE		Overflow to node	DOWNSTREAM CONNECTION(s)					
<No>	Node		T	Struc- <No>	Max disch. m3/s	Calculated capacity m3/s	Distri- bution %	T
< 1>	RAIV	0	0	< 43>	1.450	( 0.636)		4
< 2>	RAVIII	0	0	< 32>	0.039	( 0.100)		17
< 3>	OBRAI	0	0	< 4>	0.233	( 0.130)		1
< 4>	OBRAIII	0	0	< 5>	0.365	( 0.279)		1
< 5>	RAXVIII	0	0	< 6>	0.504	( 0.807)		1
< 6>	RAXVII	0	0	< 7>	0.433	( 0.464)		1
< 7>	RAXVI	0	0	< 8>	0.905	( 0.527)		0
< 8>	RB15c	0	0	< 46>	0.275	( 0.140)		2
< 9>	SC_83	0	0	< 43>	2.090	( 1.872)		1
< 10>	NG_RAI	0	0	< 11>	0.320	( 0.294)		0
< 11>	NG_557	0	0	< 39>	0.310	( 0.196)		1
< 12>	NG_80^1	0	0	< 13>	0.095	( 0.222)		2
< 13>	RAXIV	0	0	< 14>	0.210	( 0.188)		1
< 14>	RAXIII	0	0	< 15>	0.028	( 0.061)		1
< 15>	RAXII	0	0	< 16>	0.070	( 0.097)		2
< 16>	RAXI	0	0	< 38>	0.170	( 0.090)		1
< 17>	NG_RA45	0	0	< 32>	0.085	( 0.096)		4
< 18>	GR_RA1	0	0	< 43>	0.174	( 0.054)		2
< 19>	GR_RA2	0	0	< 43>	0.135	( 0.357)		3
< 20>	GR_RA3	0	0	< 24>	0.480	( 0.378)		1
< 21>	GR_RA5	0	0	< 22>	0.340	( 0.285)		1
< 22>	GR_RA4	0	0	< 24>	0.160	( 0.105)		1
< 23>	GR_RA8	0	0	< 24>	0.160	( 0.285)		1
< 24>	GR_RKB	0	0	< 43>	0.180	( 0.096)		3
< 25>	OG_4511	0	0	< 26>	3.000	(12.732)		0
< 26>	OG_4541	** OG_4522=< 27>	0	< 32>	0.050	( 0.091)		11
< 27>	OG_4522	0	0	< 32>	0.010	( 0.031)		11
< 28>	OG_R7^1	0	0	< 29>	0.040	(18.999)		0
< 29>	OG_R7^3	0	0	< 32>	1.000	( 0.032)		17
< 30>	OG_R8^1	0	0	< 32>	0.046	( 0.023)		20

< 31>	OG_R8^3	0	0	< 32>	0.070	( 0.039)	19	
< 32>	RAVII	0	0	< 33>	0.980	( 1.320)	2	
< 33>	RAVI	0	0	< 43>	0.510	( 1.279)	1	
< 34>	DA_RA5	0	0	< 36>	0.080	( 0.451)	3	
< 35>	DA_RA6	0	0	< 36>	0.140	( 0.056)	3	
< 36>	RAV	0	0	< 43>	0.360	( 0.389)	4	
< 37>	NG_592	0	0	< 38>	0.185	( 0.049)	1	
< 38>	RAX	0	0	< 39>	0.110	( 0.060)	2	
< 39>	RAIX	0	0	< 45>	0.115	( 0.096)	5	
< 40>	SC_680	**	RAIII=< 43>	1	< 41>	0.116	( 0.184)	0
< 41>	SC_679	**	RAIII=< 43>	1	< 42>	0.125	( 0.409)	0
< 42>	SC_678	**	RAIII=< 43>	1	< 44>	0.230	( 0.251)	2
< 43>	RAIII	0	0	< 44>	2.700	( 1.768)	2	
< 44>	RAII	0	0	< 45>	1.593	( 0.769)	3	
< 45>	RAI	0	0	< 46>	2.450	( 8.067)	0	
< 46>	ARA1	**	RB_ARA=< 47>	0	< 83>	0.520	( 2.802)	0
< 47>	RB_ARA	0	0	< 83>	0.050	( 0.044)	100	0
				< 84>		( 0.000)	0	0
< 48>	56d	*						
< 49>	308a	*						
< 50>	159c	*						
< 51>	NEM6	*						
< 52>	Bachein	*						
< 53>	OB1c	*						
< 54>	NE630	*						
< 55>	Bache^1	*						
< 56>	Bache^2	*						
< 57>	NE612V	*						
< 58>	SC_25^1	*						
< 59>	SC_1003	*						
< 60>	SC_Aare	*						
< 61>	SC_Aa^1	*						
< 62>	SC_Ka^1	*						
< 63>	SC_1019	*						
< 64>	Aare6	*						
< 65>	GR_15d	*						
< 66>	GR_200d	*						
< 67>	GR_30^1	*						
< 68>	GR_900a	*						
< 69>	GR_R1^1	*						
< 70>	GR_R17B	*						
< 71>	GR_R18A	*						
< 72>	GR_R19A	*						
< 73>	GR_R20A	*						
< 74>	GR_R21B	*						
< 75>	GR_RA^7	*						
< 76>	GR_RA^8	*						
< 77>	GR_RA^9	*						
< 78>	OG_4512	*						
< 79>	OG_4542	*						
< 80>	OG_7411	*						
< 81>	OG_8111	*						
< 82>	OG_8313	*						
< 83>	ARA_o^1	*						
< 84>	RB_AR^1	*						

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T = Time of travel, number of timesteps. Time step = 300 sec.  
\*\* = Internal weir. (No results output)  
\* = Outlet

SAMBA		CATCHMENTS AND WASTEWATER				
STRUCTURE		Reduced	Wastewater	Geometric	Impervious	
<No>	Node	area	flow, m3	area	PE/ha	area
		ha	per timestep	ha		%
< 1>	RAIV	27.541	13.494	60.071	22	45.8 %
< 2>	RAVIII	0.934	1.500	2.580	26	36.2 %
< 3>	OBRAI	1.391	0.129	3.900	37	35.7 %
< 4>	OBRAIII	5.960	0.496	15.600	36	38.2 %
< 5>	RAXVIII	8.224	0.990	24.020	33	34.2 %
< 6>	RAXVII	2.492	0.180	6.620	30	37.6 %
< 7>	RAXVI	11.939	2.196	38.750	32	30.8 %
< 8>	RB15c	0.000	4.110	0.000	0	0.0 %
< 9>	SC_83	8.317	0.495	17.030	32	48.8 %
< 10>	NG_RAI	2.514	0.208	8.861	26	28.4 %
< 11>	NG_557	1.299	0.129	3.780	38	34.4 %
< 12>	NG_80^1	1.310	0.094	3.615	29	36.2 %
< 13>	RAXIV	1.630	0.091	5.095	20	32.0 %
< 14>	RAXIII	1.040	0.104	3.977	29	26.2 %
< 15>	RAXII	4.449	0.447	15.084	33	29.5 %
< 16>	RAXI	1.719	0.240	6.029	44	28.5 %
< 17>	NG_RA45	0.595	0.079	3.001	29	19.8 %
< 18>	GR_RA1	2.421	0.450	7.430	18	32.6 %
< 19>	GR_RA2	3.561	0.399	6.760	11	52.7 %
< 20>	GR_RA3	10.411	0.998	30.540	36	34.1 %
< 21>	GR_RA5	3.825	0.335	12.050	31	31.7 %
< 22>	GR_RA4	1.346	0.189	6.670	32	20.2 %
< 23>	GR_RA8	0.261	0.022	0.730	34	35.8 %
< 24>	GR_RKB	2.594	0.498	6.180	30	42.0 %
< 25>	OG_4511	15.051	2.970	48.180	29	31.2 %
< 26>	OG_4541	0.000	0.000	0.000	0	0.0 %
< 27>	OG_4522	0.000	0.000	0.000	0	0.0 %
< 28>	OG_R7^1	3.920	0.735	12.060	26	32.5 %
< 29>	OG_R7^3	0.000	0.000	0.000	0	0.0 %
< 30>	OG_R8^1	0.690	0.056	2.300	27	30.0 %
< 31>	OG_R8^3	3.755	0.363	11.050	36	34.0 %
< 32>	RAVII	6.271	0.708	29.642	27	21.2 %
< 33>	RAVI	1.014	1.359	7.522	24	13.5 %
< 34>	DA_RA5	5.451	0.354	18.171	22	30.0 %
< 35>	DA_RA6	1.382	0.090	4.606	22	30.0 %
< 36>	RAV	20.922	1.014	44.654	22	46.9 %
< 37>	NG_592	1.918	0.154	7.400	23	25.9 %
< 38>	RAX	5.088	0.499	12.928	43	39.4 %
< 39>	RAIX	2.013	1.338	4.177	37	48.2 %
< 40>	SC_680	0.411	0.038	1.370	31	30.0 %
< 41>	SC_679	0.207	0.024	0.690	39	30.0 %
< 42>	SC_678	0.422	0.043	0.920	52	45.9 %
< 43>	RAIII	6.923	0.634	27.651	26	25.0 %
< 44>	RAII	25.579	5.550	55.460	27	46.1 %
< 45>	RAI	26.643	4.203	76.697	36	34.7 %
< 46>	ARA1	0.000	0.000	0.000	0	0.0 %
< 47>	RB_ARA	0.000	0.000	0.000	0	0.0 %
< 48>	56d	0.000	0.000	0.000	0	0.0 %
< 49>	308a	0.000	0.000	0.000	0	0.0 %
< 50>	159c	0.000	0.000	0.000	0	0.0 %
< 51>	NEM6	0.000	0.000	0.000	0	0.0 %
< 52>	Bachein	0.000	0.000	0.000	0	0.0 %
< 53>	OB1c	0.000	0.000	0.000	0	0.0 %
< 54>	NE630	0.000	0.000	0.000	0	0.0 %
< 55>	Bache^1	0.000	0.000	0.000	0	0.0 %
< 56>	Bache^2	0.000	0.000	0.000	0	0.0 %
< 57>	NE612V	0.240	0.000	0.300	0	80.0 %
< 58>	SC_25^1	0.000	0.000	0.000	0	0.0 %
< 59>	SC_1003	0.000	0.000	0.000	0	0.0 %
< 60>	SC_Aare	0.000	0.000	0.000	0	0.0 %
< 61>	SC_Aa^1	0.000	0.000	0.000	0	0.0 %
< 62>	SC_Ka^1	0.000	0.000	0.000	0	0.0 %

< 63> SC_1019	0.000	0.000	0.000	0	0.0 %
< 64> Aare6	0.000	0.000	0.000	0	0.0 %
< 65> GR_15d	0.344	0.000	0.430	0	80.0 %
< 66> GR_200d	0.000	0.000	0.000	0	0.0 %
< 67> GR_30^1	0.000	0.000	0.000	0	0.0 %
< 68> GR_900a	0.450	0.003	1.500	2	30.0 %
< 69> GR_R1^1	0.000	0.000	0.000	0	0.0 %
< 70> GR_R17B	0.000	0.000	0.000	0	0.0 %
< 71> GR_R18A	0.000	0.000	0.000	0	0.0 %
< 72> GR_R19A	0.000	0.000	0.000	0	0.0 %
< 73> GR_R20A	0.000	0.000	0.000	0	0.0 %
< 74> GR_R21B	0.000	0.000	0.000	0	0.0 %
< 75> GR_RA^7	0.000	0.000	0.000	0	0.0 %
< 76> GR_RA^8	0.000	0.000	0.000	0	0.0 %
< 77> GR_RA^9	0.000	0.000	0.000	0	0.0 %
< 78> OG_4512	0.000	0.000	0.000	0	0.0 %
< 79> OG_4542	0.000	0.000	0.000	0	0.0 %
< 80> OG_7411	0.000	0.000	0.000	0	0.0 %
< 81> OG_8111	0.000	0.000	0.000	0	0.0 %
< 82> OG_8313	0.060	0.000	0.100	0	60.0 %
< 83> ARA_o^1	0.000	0.000	0.000	0	0.0 %
< 84> RB_AR^1	0.000	0.000	0.000	0	0.0 %
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	234.530	48.009	656.183	29	35.7 %
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Initial loss = 0.6 mm.  
Timestep = 300 sec.

## SAMBA Zusammenfassung Resultate IST-Zustand (S\_Z0\_DEF.SOF)

Results summary.

S\_Z0\_DEF.SOF 27-06-2012 08:31

Input files and parameters:

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-----  
Simplified Catchment data .....: S_Z0_DEF.SIF  
Sewer network data (unsimplified) .: -----  
Catchment Data.....: -----  
Wastewater data .....: -----  
Hydrology data .....: -----  
Time-Area curves .....: -----  
Supplementary data .....: S_Z0_DEF.SDS  
Diurnal variation .....: S_Z0_DEF.SDS  
Sedimentation .....: -----  
Rain data .....: BS8407.RWF  
Pipe volume is NOT included  
First Flush 50% value .....(%) : 50  
Time step .....(sec) : 300  
Initial loss .....(mm) : 0.6  
Initial loss only applied to the first of coupled events.  
Global hydrological reduction factor: 1.000  
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Node : RAIV No. of overflows : 67  
Node : RAVIII No. of overflows : 25  
Node : OBRAI No. of overflows : 17  
Node : OBRAIII No. of overflows : 211  
Node : RAXVIII No. of overflows : 352  
Node : RAXVII No. of overflows : 422  
Node : RAXVI No. of overflows : 136  
Node : RB15c No. of overflows : 610  
Node : SC_83 No. of overflows : 3  
Node : NG_RAI No. of overflows : 39  
Node : NG_557 No. of overflows : 108  
Node : NG_80^1 No. of overflows : 78  
Node : RAXIV No. of overflows : 64  
Node : RAXIII No. of overflows : 474  
Node : RAXII No. of overflows : 1002  
Node : RAXI No. of overflows : 21  
Node : NG_RA45 No. of overflows : 19  
Node : GR_RA1 No. of overflows : 98  
Node : GR_RA2 No. of overflows : 233  
Node : GR_RA3 No. of overflows : 220  
Node : GR_RA5 No. of overflows : 56  
Node : GR_RA4 No. of overflows : 273  
Node : GR_RA8 No. of overflows : 0  
Node : GR_RKB No. of overflows : 449  
Node : OG_4511 No. of overflows : 8  
Node : OG_4522 No. of overflows : 1152  
Node : OG_R7^1 No. of overflows : 191  
Node : OG_R7^3 No. of overflows : 0  
Node : OG_R8^1 No. of overflows : 107  
Node : OG_R8^3 No. of overflows : 363  
Node : RAVII No. of overflows : 2  
Node : RAVI No. of overflows : 21  
Node : DA_RA5 No. of overflows : 1001  
Node : DA_RA6 No. of overflows : 67  
Node : RAV No. of overflows : 390  
Node : NG_592 No. of overflows : 73  
Node : RAX No. of overflows : 889  
Node : RAIX No. of overflows : 1058  
Node : RAIII No. of overflows : 37  
Node : RAII No. of overflows : 217  
Node : RAI No. of overflows : 54
```

Node : RB\_ARA No. of overflows : 1876  
Node : 56d No. of overflows : 7095  
Node : 308a No. of overflows : 7095  
Node : 159c No. of overflows : 7095  
Node : NEM6 No. of overflows : 7095  
Node :Bachein No. of overflows : 7095  
Node : OB1c No. of overflows : 7095  
Node : NE630 No. of overflows : 7095  
Node :Bache^1 No. of overflows : 7095  
Node :Bache^2 No. of overflows : 7095  
Node : NE612V No. of overflows : 7095  
Node :SC\_25^1 No. of overflows : 7095  
Node :SC\_1003 No. of overflows : 7095  
Node :SC\_Aare No. of overflows : 7095  
Node :SC\_Aa^1 No. of overflows : 7095  
Node :SC\_Ka^1 No. of overflows : 7095  
Node :SC\_1019 No. of overflows : 7095  
Node : Aare6 No. of overflows : 7095  
Node : GR\_15d No. of overflows : 7095  
Node :GR\_200d No. of overflows : 7095  
Node :GR\_30^1 No. of overflows : 7095  
Node :GR\_900a No. of overflows : 7095  
Node :GR\_R1^1 No. of overflows : 7095  
Node :GR\_R17B No. of overflows : 7095  
Node :GR\_R18A No. of overflows : 7095  
Node :GR\_R19A No. of overflows : 7095  
Node :GR\_R20A No. of overflows : 7095  
Node :GR\_R21B No. of overflows : 7095  
Node :GR\_RA^7 No. of overflows : 7095  
Node :GR\_RA^8 No. of overflows : 7095  
Node :GR\_RA^9 No. of overflows : 7095  
Node :OG\_4512 No. of overflows : 7095  
Node :OG\_4542 No. of overflows : 7095  
Node :OG\_7411 No. of overflows : 7095  
Node :OG\_8111 No. of overflows : 7095  
Node :OG\_8313 No. of overflows : 7095  
Node :ARA\_o^1 No. of overflows : 7095  
Node :RB\_AR^1 No. of overflows : 7095

Mean and standard deviation (per year)

Basin no:	DISCHARGED VOLUME [m3]		NUMBER OF DISCHARGES		DURATION OF DISCHARGES [hours]	
	Mean	Standard deviation	Mean	Standard deviation	Mean	Standard deviation
RAIV	3012.1	2649.1	2.8	1.5	0.7	0.4
RAVIII	53.1	58.8	1.0	0.7	0.3	0.2
OBRAI	37.1	51.7	0.7	0.6	0.1	0.1
OBRAIII	1855.8	1104.2	8.8	3.4	2.1	1.0
RAXVIII	4803.9	2321.7	14.7	4.1	4.7	1.8
RAXVII	3188.2	1366.0	17.6	4.2	6.7	2.5
RAXVI	2733.3	1776.1	5.7	2.6	1.6	0.9
RB15c	20642.3	7322.5	25.4	5.5	21.9	7.0
SC_83	46.9	147.8	0.1	0.3	0.0	0.0
NG_RAII	134.0	133.9	1.6	1.0	0.3	0.2
NG_557	419.7	250.7	4.5	1.8	0.9	0.5
NG_80^1	163.5	120.3	3.3	1.6	0.6	0.4
RAXIV	152.8	141.0	2.7	1.3	0.5	0.3
RAXIII	2313.7	1023.4	19.8	4.3	10.5	3.5
RAXII	10247.6	3034.6	41.8	8.8	39.9	10.3
RAXI	61.7	86.8	0.9	0.6	0.2	0.1
NG_RA45	20.1	25.0	0.8	0.6	0.1	0.1
GR_RA1	357.1	242.6	4.1	1.9	0.8	0.4
GR_RA2	1207.0	680.7	9.7	3.4	2.6	1.3

GR_RA3	2907.0	1700.0	9.2	3.3	2.3	1.1
GR_RA5	299.9	276.5	2.3	1.2	0.4	0.3
GR_RA4	1702.8	887.1	11.4	3.6	3.7	1.6
GR_RKB	10779.2	4539.4	18.7	4.4	13.6	5.2
OG_4511	148.0	358.7	0.3	0.5	0.0	0.1
OG_4522	41734.8	11425.4	48.0	10.0	97.9	25.5
OG_R7^1	1807.9	1022.7	8.0	2.9	5.6	3.1
OG_R8^1	112.7	75.0	4.5	1.8	1.0	0.5
OG_R8^3	2262.2	1094.8	15.1	4.1	6.0	2.6
RAVII	19.4	63.4	0.1	0.3	0.0	0.0
RAVI	246.2	295.5	0.9	0.5	0.3	0.2
DA_RA5	6076.0	2126.1	41.7	8.1	21.4	5.4
DA_RA6	128.8	103.5	2.8	1.3	0.6	0.3
RAV	15350.2	7224.2	16.3	4.2	9.0	3.7
NG_592	182.4	145.2	3.0	1.4	0.6	0.3
RAX	15735.3	4926.5	37.0	8.0	48.4	13.3
RAIX	18096.4	5014.2	44.1	9.0	110.4	26.1
RAIII	1647.8	1437.4	1.5	1.1	0.9	0.7
RAII	34559.2	18521.8	9.0	2.8	9.5	4.4
RAI	3413.4	2607.8	2.3	1.4	1.1	0.9
RB_ARA	865234.1	180358.9	78.2	14.2	309.9	60.2
56d	0.0	0.0	295.6	70.1	1209.5	225.9
308a	0.0	0.0	295.6	70.1	1209.5	225.9
159c	0.0	0.0	295.6	70.1	1209.5	225.9
NEM6	0.0	0.0	295.6	70.1	1209.5	225.9
Bachein	0.0	0.0	295.6	70.1	1209.5	225.9
OB1c	0.0	0.0	295.6	70.1	1209.5	225.9
NE630	0.0	0.0	295.6	70.1	1209.5	225.9
Bache^1	0.0	0.0	295.6	70.1	1209.5	225.9
Bache^2	0.0	0.0	295.6	70.1	1209.5	225.9
NE612V	2107.6	417.8	295.6	70.1	1209.5	225.9
SC_25^1	0.0	0.0	295.6	70.1	1209.5	225.9
SC_1003	0.0	0.0	295.6	70.1	1209.5	225.9
SC_Aare	0.0	0.0	295.6	70.1	1209.5	225.9
SC_Aa^1	0.0	0.0	295.6	70.1	1209.5	225.9
SC_Ka^1	0.0	0.0	295.6	70.1	1209.5	225.9
SC_1019	0.0	0.0	295.6	70.1	1209.5	225.9
Aare6	0.0	0.0	295.6	70.1	1209.5	225.9
GR_15d	3020.9	598.9	295.6	70.1	1209.5	225.9
GR_200d	0.0	0.0	295.6	70.1	1209.5	225.9
GR_30^1	0.0	0.0	295.6	70.1	1209.5	225.9
GR_900a	3990.7	790.1	295.6	70.1	1209.5	225.9
GR_R1^1	0.0	0.0	295.6	70.1	1209.5	225.9
GR_R17B	0.0	0.0	295.6	70.1	1209.5	225.9
GR_R18A	0.0	0.0	295.6	70.1	1209.5	225.9
GR_R19A	0.0	0.0	295.6	70.1	1209.5	225.9
GR_R20A	0.0	0.0	295.6	70.1	1209.5	225.9
GR_R21B	0.0	0.0	295.6	70.1	1209.5	225.9
GR_RA^7	0.0	0.0	295.6	70.1	1209.5	225.9
GR_RA^8	0.0	0.0	295.6	70.1	1209.5	225.9
GR_RA^9	0.0	0.0	295.6	70.1	1209.5	225.9
OG_4512	0.0	0.0	295.6	70.1	1209.5	225.9
OG_4542	0.0	0.0	295.6	70.1	1209.5	225.9
OG_7411	0.0	0.0	295.6	70.1	1209.5	225.9
OG_8111	0.0	0.0	295.6	70.1	1209.5	225.9
OG_8313	526.9	104.5	295.6	70.1	1209.5	225.9
ARA_o^1	1617802.5	303916.2	295.6	70.1	1209.5	225.9
RB_AR^1	162.8	31.0	295.6	70.1	1209.5	225.9



## Vereinfachtes Kanalnetzsystem Prognose-Zustand (S\_Z2\_DEF.SIF)

SAMBA		VOLUMES							
STRUCTURE		Bassinvolume + Volume of pipes = Total				Coordinates			
<No>	Node	level	m3	upstream, under weir lev.	m3	volume	m3	X	Y
								m	m
< 0>	RAXX	39.9	+	0.0	=	39.9	639410.9	244897.1	
< 1>	RAIV	440.3	+	0.0	=	440.3	641183.0	245774.3	
< 2>	RAVIII	88.5	+	0.0	=	88.5	639432.3	244830.2	
< 3>	NG_RA^1	19.7	+	0.0	=	19.7	641548.1	246589.4	
< 4>	NG_773	2.0	+	0.0	=	2.0	641349.9	246608.9	
< 5>	OBRAI	0.9	+	0.0	=	0.9	642688.4	250936.7	
< 6>	OBRAIII	1.7	+	0.0	=	1.7	643000.4	250339.2	
< 7>	RAXVIII	3.2	+	0.0	=	3.2	643087.3	249732.9	
< 8>	RAXVII	29.6	+	0.0	=	29.6	643037.9	249399.6	
< 9>	RAXVI	92.1	+	0.0	=	92.1	643080.0	248676.1	
< 10>	RB15C	402.9	+	0.0	=	402.9	643271.4	248591.4	
< 11>	SC_83	3.0	+	0.0	=	3.0	642202.3	246260.8	
< 12>	NG_RAI	0.8	+	0.0	=	0.8	641864.6	247278.4	
< 13>	NG_557	0.4	+	0.0	=	0.4	641976.2	247138.1	
< 14>	NG_80^1	11.3	+	0.0	=	11.3	640404.0	246710.9	
< 15>	RAXIV	2.2	+	0.0	=	2.2	641038.8	246594.4	
< 16>	RAXI	147.5	+	0.0	=	147.5	641866.4	246657.9	
< 17>	NG_RA45	2.4	+	0.0	=	2.4	640489.7	246436.4	
< 18>	GR_RA1	13.3	+	0.0	=	13.3	641935.2	245929.4	
< 19>	GR_RA2	11.9	+	0.0	=	11.9	641494.6	245746.0	
< 20>	GR_RA3	2.5	+	0.0	=	2.5	641966.4	245523.0	
< 21>	GR_RA5	28.3	+	0.0	=	28.3	642237.6	244962.4	
< 22>	GR_RA4	15.9	+	0.0	=	15.9	641935.0	245306.2	
< 23>	GR_RA8	6.3	+	0.0	=	6.3	641929.8	245491.1	
< 24>	GR_RKB	363.0	+	0.0	=	363.0	641781.4	245742.6	
< 25>	OG_4511	58.4	+	0.0	=	58.4	639052.8	246082.0	
< 26>	OG_4541	22.7	+	0.0	=	22.7	639064.0	246096.0	
< 27>	OG_4522	260.0	+	0.0	=	260.0	639062.2	246099.0	
< 28>	OG_R7^1	100.0	+	0.0	=	100.0	639188.5	245154.0	
< 29>	OG_R7^3	43.4	+	0.0	=	43.4	639199.0	245143.0	
< 30>	RAVII	326.6	+	0.0	=	326.6	641368.6	246444.0	
< 31>	RAVI	310.0	+	0.0	=	310.0	641831.1	246543.0	
< 32>	DA_RA5	2.8	+	0.0	=	2.8	641256.5	244856.3	
< 33>	RAV	320.9	+	0.0	=	320.9	641190.6	245734.3	
< 34>	NG_592	1.2	+	0.0	=	1.2	641739.5	247090.5	
< 35>	RAX	102.5	+	0.0	=	102.5	642119.4	246892.3	
< 36>	RAIX	130.5	+	0.0	=	130.5	642257.8	247163.3	
< 37>	SC_680	1.2	+	0.0	=	1.2	642760.5	246582.9	
< 38>	SC_679	0.0	+	0.0	=	0.0	642698.2	246612.5	
< 39>	SC_678	0.0	+	0.0	=	0.0	642641.6	246642.7	
< 40>	RAIII	726.8	+	0.0	=	726.8	642088.3	246597.0	
< 41>	RAII	2068.3	+	0.0	=	2068.3	642462.2	247430.6	
< 42>	NG_400	216.6	+	0.0	=	216.6	642281.2	247533.4	
< 43>	RAI	629.5	+	0.0	=	629.5	643324.2	248066.9	
< 44>	ARA1	16.0	+	0.0	=	16.0	643298.9	248110.3	
< 45>	RB_ARA	1275.0	+	0.0	=	1275.0	643277.4	248109.7	
< 46>	56D	0.0	+	0.0	=	0.0	641305.0	245968.2	
< 47>	308A	0.0	+	0.0	=	0.0	643362.6	248530.6	
< 48>	159C	0.0	+	0.0	=	0.0	639505.7	244885.5	
< 49>	NEM6	0.0	+	0.0	=	0.0	643061.0	250278.1	
< 50>	BACHEIN	0.0	+	0.0	=	0.0	642701.0	250936.8	
< 51>	OB1C	0.0	+	0.0	=	0.0	643054.7	250323.6	
< 52>	NE630	0.0	+	0.0	=	0.0	643140.3	249741.0	
< 53>	BACHE^1	0.0	+	0.0	=	0.0	643036.4	249382.3	
< 54>	BACHE^2	0.0	+	0.0	=	0.0	643085.0	248629.8	
< 55>	NE612V	0.0	+	0.0	=	0.0	642766.1	249884.9	
< 56>	SC_25^1	0.0	+	0.0	=	0.0	642506.2	247781.7	
< 57>	SC_1003	0.0	+	0.0	=	0.0	643755.3	247966.8	
< 58>	SC_AARE	0.0	+	0.0	=	0.0	642452.3	247444.0	
< 59>	SC_AA^1	0.0	+	0.0	=	0.0	642087.8	246616.9	
< 60>	SC_KA^1	0.0	+	0.0	=	0.0	642189.7	246261.8	

< 61>	SC_1019	0.0	+	0.0	=	0.0	643320.6	248030.4
< 62>	AARE6	0.0	+	0.0	=	0.0	642273.7	247085.4
< 63>	GR_15D	0.0	+	0.0	=	0.0	641495.4	245875.0
< 64>	GR_200D	0.0	+	0.0	=	0.0	641929.0	245966.8
< 65>	GR_30^1	0.0	+	0.0	=	0.0	641833.8	245900.1
< 66>	GR_900A	0.0	+	0.0	=	0.0	641642.6	245839.0
< 67>	GR_R1^1	0.0	+	0.0	=	0.0	641995.5	245238.7
< 68>	GR_R17B	0.0	+	0.0	=	0.0	642467.1	244658.2
< 69>	GR_R18A	0.0	+	0.0	=	0.0	641940.3	245420.2
< 70>	GR_R19A	0.0	+	0.0	=	0.0	641930.9	245511.4
< 71>	GR_R20A	0.0	+	0.0	=	0.0	642244.1	244938.1
< 72>	GR_R21B	0.0	+	0.0	=	0.0	642220.3	244851.2
< 73>	GR_RA^7	0.0	+	0.0	=	0.0	641926.4	245305.7
< 74>	GR_RA^8	0.0	+	0.0	=	0.0	642228.9	244974.6
< 75>	GR_RA^9	0.0	+	0.0	=	0.0	641934.9	245492.5
< 76>	OG_4512	0.0	+	0.0	=	0.0	639067.3	246085.0
< 77>	OG_4542	0.0	+	0.0	=	0.0	639072.5	246087.4
< 78>	OG_7411	0.0	+	0.0	=	0.0	639180.5	245098.5
< 79>	OG_8111	0.0	+	0.0	=	0.0	638830.0	245224.5
< 80>	OG_8313	0.0	+	0.0	=	0.0	639087.4	245099.5
< 81>	ARA_O^1	0.0	+	0.0	=	0.0	643258.8	248157.6
< 82>	RB_AR^1	0.0	+	0.0	=	0.0	643253.9	248116.2
		8342.0	+	0.0	=	8342.0		

SAMBA

SIMPLIFIED SEWER NETWORK

STRUCTURE

DOWNSTREAM CONNECTION(S)

<No>	Node	Overflow to node	T	Struc- ture <No>	Max disch. m3/s	Calculated capacity m3/s	Distri- bution %	T
< 0>	RAXX	0	0	< 30>	0.090	( 0.300)		1
< 1>	RAIV	0	0	< 40>	0.430	( 0.636)		4
< 2>	RAVIII	0	0	< 30>	0.040	( 0.100)		1
< 3>	NG_RA^1	0	0	< 16>	0.137	( 1.006)		2
< 4>	NG_773	0	0	< 16>	0.050	( 0.169)		3
< 5>	OBRAI	0	0	< 6>	0.233	( 0.130)		1
< 6>	OBRAIII	0	0	< 7>	0.365	( 0.279)		1
< 7>	RAXVIII	0	0	< 8>	0.650	( 0.807)		1
< 8>	RAXVII	0	0	< 9>	0.670	( 0.464)		1
< 9>	RAXVI	0	0	< 10>	0.905	( 0.527)		0
< 10>	RB15C	0	0	< 44>	0.275	( 0.140)		2
< 11>	SC_83	0	0	< 40>	2.090	( 1.872)		1
< 12>	NG_RAI	0	0	< 13>	0.320	( 0.294)		0
< 13>	NG_557	0	0	< 36>	0.310	( 0.196)		1
< 14>	NG_80^1	0	0	< 15>	0.095	( 0.222)		2
< 15>	RAXIV	0	0	< 16>	0.090	( 0.188)		4
< 16>	RAXI	0	0	< 35>	0.170	( 0.090)		1
< 17>	NG_RA45	0	0	< 30>	0.085	( 0.096)		4
< 18>	GR_RA1	0	0	< 40>	0.174	( 0.054)		2
< 19>	GR_RA2	0	0	< 40>	0.135	( 0.357)		3
< 20>	GR_RA3	0	0	< 24>	0.480	( 0.378)		1
< 21>	GR_RA5	0	0	< 22>	0.340	( 0.285)		1
< 22>	GR_RA4	0	0	< 24>	0.160	( 0.105)		1
< 23>	GR_RA8	0	0	< 24>	0.160	( 0.285)		1
< 24>	GR_RKB	0	0	< 40>	0.180	( 0.096)		3
< 25>	OG_4511	0	0	< 26>	10.000	(12.732)		0
< 26>	OG_4541	** OG_4522=< 27>	0	< 30>	0.050	( 0.091)		11
< 27>	OG_4522	0	0	< 30>	0.010	( 0.031)		11
< 28>	OG_R7^1	0	0	< 29>	0.040	(18.999)		0
< 29>	OG_R7^3	0	0	< 30>		( 0.032)		17
< 30>	RAVII	0	0	< 31>	0.890	( 1.320)		2
< 31>	RAVI	0	0	< 40>	0.510	( 1.279)		1
< 32>	DA_RA5	0	0	< 33>	0.319	( 0.451)		3
< 33>	RAV	0	0	< 40>	0.370	( 0.389)		4
< 34>	NG_592	0	0	< 35>	0.185	( 0.049)		1

< 35>	RAX	0	0	< 36>	0.190	( 0.060)	2	
< 36>	RAIX	0	0	< 43>	0.260	( 0.096)	5	
< 37>	SC_680	**	RAIII=< 40>	1	< 38>	0.116	( 0.184)	0
< 38>	SC_679	**	RAIII=< 40>	1	< 39>	0.125	( 0.409)	0
< 39>	SC_678	**	RAIII=< 40>	1	< 41>	0.230	( 0.251)	2
< 40>	RAIII	0	0	< 41>	2.700	( 1.768)	2	
< 41>	RAII	0	0	< 43>	1.593	( 0.769)	3	
< 42>	NG_400	0	0	< 43>	0.100	( 2.115)	3	
< 43>	RAI	0	0	< 44>	2.250	( 8.067)	0	
< 44>	ARA1	**	RB_ARA=< 45>	0	< 81>	0.520	( 2.802)	0
< 45>	RB_ARA	0	0	< 81>	0.044	( 0.044)	100	0
				< 82>		( 0.000)	0	0
< 46>	56D	*						
< 47>	308A	*						
< 48>	159C	*						
< 49>	NEM6	*						
< 50>	BACHEIN	*						
< 51>	OB1C	*						
< 52>	NE630	*						
< 53>	BACHE^1	*						
< 54>	BACHE^2	*						
< 55>	NE612V	*						
< 56>	SC_25^1	*						
< 57>	SC_1003	*						
< 58>	SC_AARE	*						
< 59>	SC_AA^1	*						
< 60>	SC_KA^1	*						
< 61>	SC_1019	*						
< 62>	AARE6	*						
< 63>	GR_15D	*						
< 64>	GR_200D	*						
< 65>	GR_30^1	*						
< 66>	GR_900A	*						
< 67>	GR_R1^1	*						
< 68>	GR_R17B	*						
< 69>	GR_R18A	*						
< 70>	GR_R19A	*						
< 71>	GR_R20A	*						
< 72>	GR_R21B	*						
< 73>	GR_RA^7	*						
< 74>	GR_RA^8	*						
< 75>	GR_RA^9	*						
< 76>	OG_4512	*						
< 77>	OG_4542	*						
< 78>	OG_7411	*						
< 79>	OG_8111	*						
< 80>	OG_8313	*						
< 81>	ARA_O^1	*						
< 82>	RB_AR^1	*						

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T = Time of travel, number of timesteps. Time step = 300 sec.  
\*\* = Internal weir. (No results output)  
\* = Outlet

SAMBA		CATCHMENTS AND WASTEWATER				
STRUCTURE		Reduced area	Wastewater flow, m3	Geometric area		Impervious area
<No>	Node	ha	per timestep	ha	PE/ha	%
< 0>	RAXX	5.204	1.827	15.660	44	33.2 %
< 1>	RAIV	33.521	13.962	89.078	21	37.6 %
< 2>	RAVIII	0.934	0.280	2.580	26	36.2 %
< 3>	NG_RA^1	4.552	0.662	15.380	48	29.6 %
< 4>	NG_773	1.203	0.181	4.602	44	26.1 %
< 5>	OBRAI	1.916	0.267	7.210	41	26.6 %
< 6>	OBRAIII	7.641	0.751	20.510	41	37.3 %
< 7>	RAXVIII	9.322	1.197	27.130	38	34.4 %
< 8>	RAXVII	2.468	0.208	6.550	36	37.7 %
< 9>	RAXVI	14.049	2.721	48.790	38	28.8 %
< 10>	RB15C	0.000	4.110	0.000	0	0.0 %
< 11>	SC_83	8.581	0.657	18.680	39	45.9 %
< 12>	NG_RAI	2.924	0.366	10.304	40	28.4 %
< 13>	NG_557	1.511	0.225	4.395	57	34.4 %
< 14>	NG_80^1	1.523	0.166	4.203	44	36.2 %
< 15>	RAXIV	1.895	0.162	5.924	31	32.0 %
< 16>	RAXI	2.627	0.535	9.193	65	28.6 %
< 17>	NG_RA45	0.692	0.136	3.490	44	19.8 %
< 18>	GR_RA1	2.715	0.468	7.920	19	34.3 %
< 19>	GR_RA2	5.013	0.432	11.600	10	43.2 %
< 20>	GR_RA3	11.193	1.258	35.050	40	31.9 %
< 21>	GR_RA5	4.131	0.411	13.130	35	31.5 %
< 22>	GR_RA4	1.346	0.212	6.670	36	20.2 %
< 23>	GR_RA8	0.261	0.026	0.730	40	35.8 %
< 24>	GR_RKB	3.395	0.558	8.190	31	41.5 %
< 25>	OG_4511	15.648	3.807	53.870	44	29.0 %
< 26>	OG_4541	0.000	0.000	0.000	0	0.0 %
< 27>	OG_4522	0.000	0.000	0.000	0	0.0 %
< 28>	OG_R7^1	3.920	0.879	12.060	40	32.5 %
< 29>	OG_R7^3	0.000	0.000	0.000	0	0.0 %
< 30>	RAVII	6.059	1.142	31.246	41	19.4 %
< 31>	RAVI	1.179	1.476	8.747	35	13.5 %
< 32>	DA_RA5	5.707	0.350	19.022	21	30.0 %
< 33>	RAV	24.424	1.182	56.778	20	43.0 %
< 34>	NG_592	2.231	0.269	8.605	35	25.9 %
< 35>	RAX	5.916	0.871	15.033	65	39.4 %
< 36>	RAIX	2.341	1.443	4.857	56	48.2 %
< 37>	SC_680	0.411	0.048	1.370	39	30.0 %
< 38>	SC_679	0.207	0.033	0.690	54	30.0 %
< 39>	SC_678	0.422	0.057	0.920	70	45.9 %
< 40>	RAIII	6.962	0.858	28.232	34	24.7 %
< 41>	RAII	26.026	5.991	56.950	35	45.7 %
< 42>	NG_400	4.871	0.742	16.098	52	30.3 %
< 43>	RAI	25.828	4.734	73.356	46	35.2 %
< 44>	ARA1	0.000	0.000	0.000	0	0.0 %
< 45>	RB_ARA	0.000	0.000	0.000	0	0.0 %
< 46>	56D	0.000	0.000	0.000	0	0.0 %
< 47>	308A	0.000	0.000	0.000	0	0.0 %
< 48>	159C	0.000	0.000	0.000	0	0.0 %
< 49>	NEM6	0.000	0.000	0.000	0	0.0 %
< 50>	BACHEIN	0.000	0.000	0.000	0	0.0 %
< 51>	OB1C	0.000	0.000	0.000	0	0.0 %
< 52>	NE630	0.025	0.002	0.070	29	35.0 %
< 53>	BACHE^1	0.000	0.000	0.000	0	0.0 %
< 54>	BACHE^2	0.000	0.000	0.000	0	0.0 %
< 55>	NE612V	0.240	0.000	0.300	0	80.0 %
< 56>	SC_25^1	0.000	0.000	0.000	0	0.0 %
< 57>	SC_1003	0.000	0.000	0.000	0	0.0 %
< 58>	SC_AARE	0.000	0.000	0.000	0	0.0 %
< 59>	SC_AA^1	0.000	0.000	0.000	0	0.0 %
< 60>	SC_KA^1	0.000	0.000	0.000	0	0.0 %
< 61>	SC_1019	0.000	0.000	0.000	0	0.0 %

< 62>	AARE6	0.000	0.000	0.000	0	0.0 %
< 63>	GR_15D	0.344	0.000	0.430	0	80.0 %
< 64>	GR_200D	0.000	0.000	0.000	0	0.0 %
< 65>	GR_30^1	0.000	0.000	0.000	0	0.0 %
< 66>	GR_900A	0.450	0.003	1.500	2	30.0 %
< 67>	GR_R1^1	0.000	0.000	0.000	0	0.0 %
< 68>	GR_R17B	0.000	0.000	0.000	0	0.0 %
< 69>	GR_R18A	0.000	0.000	0.000	0	0.0 %
< 70>	GR_R19A	0.000	0.000	0.000	0	0.0 %
< 71>	GR_R20A	0.000	0.000	0.000	0	0.0 %
< 72>	GR_R21B	0.000	0.000	0.000	0	0.0 %
< 73>	GR_RA^7	0.000	0.000	0.000	0	0.0 %
< 74>	GR_RA^8	0.000	0.000	0.000	0	0.0 %
< 75>	GR_RA^9	0.000	0.000	0.000	0	0.0 %
< 76>	OG_4512	0.000	0.000	0.000	0	0.0 %
< 77>	OG_4542	0.000	0.000	0.000	0	0.0 %
< 78>	OG_7411	0.000	0.000	0.000	0	0.0 %
< 79>	OG_8111	0.000	0.000	0.000	0	0.0 %
< 80>	OG_8313	0.060	0.000	0.100	0	60.0 %
< 81>	ARA_O^1	0.000	0.000	0.000	0	0.0 %
< 82>	RB_AR^1	0.000	0.000	0.000	0	0.0 %
		-----	-----	-----	-----	-----
		262.236	55.667	767.903	36	34.1 %
		-----	-----	-----	-----	-----

Initial loss = 0.6 mm.  
Timestep = 300 sec.

## SAMBA Zusammenfassung Resultate Prognose-Zustand (S\_Z2\_DEF.SOF)

Results summary.

S\_Z2\_DEF.SOF 26.06.2012 11:53

Input files and parameters:

```
-----  
Simplified Catchment data .....: S_Z2_DEF.SIF  
Sewer network data (unsimplified) : SCH_Z2_1.UND  
Catchment Data.....: SCH_Z2_1.HGF  
Wastewater data .....: DEFAULT.WWF  
Hydrology data .....: -----  
Time-Area curves .....: -----  
Supplementary data .....: S_Z2_DEF.SDS  
Diurnal variation .....: S_Z2_DEF.SDS  
Sedimentation .....: -----  
Rain data .....: BS8407.RWF  
Pipe volume is NOT included  
First Flush 50% value .....(%) : 50  
Time step .....(sec) : 300  
Initial loss .....(mm) : 0.6  
Initial loss only applied to the first of coupled events.  
Global hydrological reduction factor: 1.000  
-----
```

```
Node : RAXX No. of overflows : 496  
Node : RAIV No. of overflows : 462  
Node : RAVIII No. of overflows : 20  
Node :NG_RA^1 No. of overflows : 290  
Node : NG_773 No. of overflows : 264  
Node : OBRAI No. of overflows : 44  
Node :OBRAIII No. of overflows : 313  
Node :RAXVIII No. of overflows : 328  
Node : RAXVII No. of overflows : 225  
Node : RAXVI No. of overflows : 301  
Node : RB15C No. of overflows : 805  
Node : SC_83 No. of overflows : 5  
Node :NG_RAII No. of overflows : 57  
Node : NG_557 No. of overflows : 129  
Node :NG_80^1 No. of overflows : 103  
Node : RAXIV No. of overflows : 354  
Node : RAXI No. of overflows : 287  
Node :NG_RA45 No. of overflows : 34  
Node : GR_RA1 No. of overflows : 114  
Node : GR_RA2 No. of overflows : 394  
Node : GR_RA3 No. of overflows : 236  
Node : GR_RA5 No. of overflows : 63  
Node : GR_RA4 No. of overflows : 301  
Node : GR_RA8 No. of overflows : 0  
Node : GR_RKB No. of overflows : 531  
Node :OG_4511 No. of overflows : 0  
Node :OG_4522 No. of overflows : 1249  
Node :OG_R7^1 No. of overflows : 387  
Node : RAVII No. of overflows : 4  
Node : RAVI No. of overflows : 26  
Node : DA_RA5 No. of overflows : 166  
Node : RAV No. of overflows : 471  
Node : NG_592 No. of overflows : 98  
Node : RAX No. of overflows : 683  
Node : RAIX No. of overflows : 395  
Node : RAIII No. of overflows : 16  
Node : RAII No. of overflows : 206  
Node : NG_400 No. of overflows : 103  
Node : RAI No. of overflows : 102  
Node : RB_ARA No. of overflows : 2001  
Node : 56D No. of overflows : 7023
```

Node : 308A No. of overflows : 7023  
Node : 159C No. of overflows : 7023  
Node : NEM6 No. of overflows : 7023  
Node :BACHEIN No. of overflows : 7023  
Node : OB1C No. of overflows : 7023  
Node : NE630 No. of overflows : 7023  
Node :BACHE^1 No. of overflows : 7023  
Node :BACHE^2 No. of overflows : 7023  
Node : NE612V No. of overflows : 7023  
Node :SC\_25^1 No. of overflows : 7023  
Node :SC\_1003 No. of overflows : 7023  
Node :SC\_AARE No. of overflows : 7023  
Node :SC\_AA^1 No. of overflows : 7023  
Node :SC\_KA^1 No. of overflows : 7023  
Node :SC\_1019 No. of overflows : 7023  
Node : AARE6 No. of overflows : 7023  
Node : GR\_15D No. of overflows : 7023  
Node :GR\_200D No. of overflows : 7023  
Node :GR\_30^1 No. of overflows : 7023  
Node :GR\_900A No. of overflows : 7023  
Node :GR\_R1^1 No. of overflows : 7023  
Node :GR\_R17B No. of overflows : 7023  
Node :GR\_R18A No. of overflows : 7023  
Node :GR\_R19A No. of overflows : 7023  
Node :GR\_R20A No. of overflows : 7023  
Node :GR\_R21B No. of overflows : 7023  
Node :GR\_RA^7 No. of overflows : 7023  
Node :GR\_RA^8 No. of overflows : 7023  
Node :GR\_RA^9 No. of overflows : 7023  
Node :OG\_4512 No. of overflows : 7023  
Node :OG\_4542 No. of overflows : 7023  
Node :OG\_7411 No. of overflows : 7023  
Node :OG\_8111 No. of overflows : 7023  
Node :OG\_8313 No. of overflows : 7023  
Node :ARA\_O^1 No. of overflows : 7023  
Node :RB\_AR^1 No. of overflows : 7023

Mean and standard deviation (per year)

Basin no:	DISCHARGED VOLUME [m3]		NUMBER OF DISCHARGES		DURATION OF DISCHARGES [hours]	
	Mean	Standard deviation	Mean	Standard deviation	Mean	Standard deviation
RAXX	3702.9	1672.2	20.7	4.4	8.3	3.3
RAIV	26420.6	11553.7	19.3	4.3	11.9	4.3
RAVIII	37.2	52.6	0.8	0.6	0.2	0.2
NG_RA^1	1942.5	1023.4	12.1	3.8	3.6	1.6
NG_773	444.2	240.3	11.0	3.3	2.9	1.3
OBRAI	107.3	104.9	1.8	1.2	0.3	0.2
OBRAIII	3396.9	1806.8	13.0	3.8	3.4	1.5
RAXVIII	4072.2	2096.9	13.7	3.9	3.9	1.6
RAXVII	1050.5	601.4	9.4	3.4	3.1	1.5
RAXVI	7188.6	3699.1	12.5	4.2	4.6	2.0
RB15C	34482.4	10724.8	33.5	7.5	33.4	9.9
SC_83	51.8	159.1	0.2	0.4	0.0	0.0
NG_RAII	226.9	201.0	2.4	1.3	0.5	0.3
NG_557	612.7	337.4	5.4	2.4	1.2	0.6
NG_80^1	259.0	169.9	4.3	1.8	1.0	0.5
RAXIV	1334.2	656.1	14.8	3.6	6.2	2.4
RAXI	2925.3	1534.6	12.0	4.1	7.2	3.5
NG_RA45	33.5	34.3	1.4	0.9	0.3	0.2
GR_RA1	494.7	310.1	4.8	2.0	1.1	0.6
GR_RA2	2591.4	1258.7	16.4	4.0	5.4	2.1
GR_RA3	3405.2	1944.4	9.8	3.4	2.6	1.2
GR_RA5	378.8	325.3	2.6	1.2	0.5	0.3

GR_RA4	1910.4	966.9	12.5	3.7	4.2	1.8
GR_RKB	14407.8	5575.0	22.1	4.4	18.0	6.2
OG_4522	47500.1	12601.5	52.0	10.7	110.6	28.2
OG_R7^1	3018.6	1378.4	16.1	4.6	11.1	4.8
RAVII	51.0	146.1	0.2	0.3	0.0	0.1
RAVI	343.8	308.0	1.1	0.7	0.3	0.2
DA_RA5	1267.6	799.0	6.9	3.2	1.6	0.8
RAV	22424.6	9717.9	19.6	4.5	12.5	4.3
NG_592	291.2	203.3	4.1	1.8	0.8	0.5
RAX	13014.9	4435.5	28.5	5.9	31.1	9.0
RAIX	4374.0	1962.4	16.5	4.3	11.4	4.7
RAIII	407.2	635.5	0.7	0.5	0.1	0.1
RAII	27313.4	15213.0	8.6	3.0	9.7	5.0
NG_400	1194.3	826.3	4.3	2.2	1.7	1.2
RAI	5527.7	4197.1	4.3	2.7	2.2	1.7
RB_ARA	1098097.5	224305.7	83.4	15.4	349.0	69.5
56D	0.0	0.0	292.6	69.5	1228.2	230.7
308A	0.0	0.0	292.6	69.5	1228.2	230.7
159C	0.0	0.0	292.6	69.5	1228.2	230.7
NEM6	0.0	0.0	292.6	69.5	1228.2	230.7
BACHEIN	0.0	0.0	292.6	69.5	1228.2	230.7
OB1C	0.0	0.0	292.6	69.5	1228.2	230.7
NE630	241.7	47.2	292.6	69.5	1228.2	230.7
BACHE^1	0.0	0.0	292.6	69.5	1228.2	230.7
BACHE^2	0.0	0.0	292.6	69.5	1228.2	230.7
NE612V	2110.5	417.5	292.6	69.5	1228.2	230.7
SC_25^1	0.0	0.0	292.6	69.5	1228.2	230.7
SC_1003	0.0	0.0	292.6	69.5	1228.2	230.7
SC_AARE	0.0	0.0	292.6	69.5	1228.2	230.7
SC_AA^1	0.0	0.0	292.6	69.5	1228.2	230.7
SC_KA^1	0.0	0.0	292.6	69.5	1228.2	230.7
SC_1019	0.0	0.0	292.6	69.5	1228.2	230.7
AARE6	0.0	0.0	292.6	69.5	1228.2	230.7
GR_15D	3025.0	598.5	292.6	69.5	1228.2	230.7
GR_200D	0.0	0.0	292.6	69.5	1228.2	230.7
GR_30^1	0.0	0.0	292.6	69.5	1228.2	230.7
GR_900A	3996.6	789.6	292.6	69.5	1228.2	230.7
GR_R1^1	0.0	0.0	292.6	69.5	1228.2	230.7
GR_R17B	0.0	0.0	292.6	69.5	1228.2	230.7
GR_R18A	0.0	0.0	292.6	69.5	1228.2	230.7
GR_R19A	0.0	0.0	292.6	69.5	1228.2	230.7
GR_R20A	0.0	0.0	292.6	69.5	1228.2	230.7
GR_R21B	0.0	0.0	292.6	69.5	1228.2	230.7
GR_RA^7	0.0	0.0	292.6	69.5	1228.2	230.7
GR_RA^8	0.0	0.0	292.6	69.5	1228.2	230.7
GR_RA^9	0.0	0.0	292.6	69.5	1228.2	230.7
OG_4512	0.0	0.0	292.6	69.5	1228.2	230.7
OG_4542	0.0	0.0	292.6	69.5	1228.2	230.7
OG_7411	0.0	0.0	292.6	69.5	1228.2	230.7
OG_8111	0.0	0.0	292.6	69.5	1228.2	230.7
OG_8313	527.6	104.4	292.6	69.5	1228.2	230.7
ARA_O^1	1718145.2	323500.4	292.6	69.5	1228.2	230.7
RB_AR^1	164.1	31.6	292.6	69.5	1228.2	230.7