

APPENDIX D

Water Quality Model Results

Table
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Existing Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area	Area	Sediment	Phosphorous	Lead	Copper	Zinc
		(%total)	(acres)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)
Calhoun Creek 4B010 Area 250.5	Wetland, Forest, Preservation	5.00	12.53	37.58	0.38	0.13	0.13	0.13
	Agriculture	42.00	104.43	46993.50	89.81	1.04	1.04	1.04
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	5.00	12.34	5193.04	22.20	2.27	0.99	13.45
	Low Density Residential	42.00	103.73	21264.65	19.92	13.28	5.81	8.30
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	4.00	9.83	10380.48	10.52	26.54	3.93	20.64
	Industrial	1.00	2.51	1077.15	0.35	3.01	0.63	9.14
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	2.64	760.32	2.96	1.48	0.40	1.48
	Open Water	1.00	2.51	463.43	0.33	0.10	0.10	0.10
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	250.50	86170.14	146.46	47.84	13.02
Calhoun Creek 4B020 Area 224.9	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	33.00	74.22	33397.65	63.83	0.74	0.74	0.74
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	64.00	143.11	29336.73	27.48	18.32	8.01	11.45
	Medium Density Residential	1.00	2.25	922.09	0.85	0.58	0.25	0.36
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	2.00	4.50	4511.49	9.90	25.77	2.79	11.69
	Arterial	0.00	0.83	239.04	0.93	0.46	0.12	0.46
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	224.90	68407.00	102.97	45.87	11.92
Calhoun Creek 4C010 Area 756.5	Wetland, Forest, Preservation	20.00	151.23	453.69	4.54	1.51	1.51	1.51
	Agriculture	20.00	149.29	67180.50	128.39	1.49	1.49	1.49
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	3.00	22.66	9537.76	40.78	4.17	1.81	24.69
	Low Density Residential	20.00	149.79	30706.95	28.76	19.17	8.39	11.98
	Medium Density Residential	30.00	228.95	93049.50	85.33	58.10	25.42	36.31
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	2.00	15.05	15892.80	16.10	40.64	6.02	31.61
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	5.00	37.83	37938.48	83.22	216.74	23.45	98.35
	Arterial	0.00	3.71	1068.48	4.16	2.08	0.56	2.08
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	756.50	255828.15	391.27	343.90	68.65
Calhoun Creek 4C020 Area 74	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	73.00	52.41	23584.50	45.07	0.52	0.52	0.52
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Medium Density Residential	15.00	10.79	4423.90	4.06	2.76	1.21	1.73
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	2.00	1.48	636.40	0.21	1.78	0.37	5.40
	Highway	10.00	7.40	7422.20	16.28	42.40	4.59	19.24
	Arterial	0.00	1.92	552.96	2.15	1.08	0.29	1.08
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	74.00	36619.96	67.77	48.54	6.98
Calhoun Creek 4C030 Area 345.9	Wetland, Forest, Preservation	42.00	144.52	433.55	4.34	1.45	1.45	1.45
	Agriculture	27.00	90.02	40510.35	77.42	0.90	0.90	0.90
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	10.00	33.37	6840.85	6.41	4.27	1.87	2.67
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	4.00	13.84	14610.82	14.80	37.36	5.53	29.06
	Industrial	2.00	6.82	2931.74	0.95	8.18	1.70	24.89
	Highway	15.00	51.45	51599.34	113.18	294.78	31.90	133.76
	Arterial	0.00	5.89	1696.32	6.60	3.30	0.88	3.30
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	345.90	118622.97	223.70	350.23	44.23

Table
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Existing Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)
Calhoun Creek 4C040 Area 224.1	Wetland, Forest, Preservation	25.00	56.03	168.08	1.68	0.56	0.56	0.56
	Agriculture	50.00	111.22	50049.00	95.65	1.11	1.11	1.11
	Park	10.00	22.05	9194.85	61.96	0.22	0.22	1.32
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	5.00	10.61	2174.03	2.04	1.36	0.59	0.85
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	3.00	6.61	2843.59	0.93	7.94	1.65	24.14
	Highway	5.00	11.21	11238.62	24.65	64.20	6.95	29.13
	Arterial	0.00	1.90	547.20	2.13	1.06	0.29	1.06
	Open Water	2.00	4.48	829.17	0.58	0.18	0.18	0.18
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	224.10	77044.53	189.61	76.63	11.55
Calhoun Creek 4C050 Area 84	Wetland, Forest, Preservation	5.00	4.20	12.60	0.13	0.04	0.04	0.04
	Agriculture	35.00	28.90	13005.00	24.85	0.29	0.29	0.29
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	60.00	50.40	10332.00	9.68	6.45	2.82	4.03
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.50	144.00	0.56	0.28	0.08	0.28
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	84.00	23493.60	35.22	7.06	3.23
Calhoun Creek 4C060 Area 148	Wetland, Forest, Preservation	20.00	29.60	88.80	0.89	0.30	0.30	0.30
	Agriculture	43.00	63.14	28413.00	54.30	0.63	0.63	0.63
	Park	2.00	2.94	1225.98	8.26	0.03	0.03	0.18
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	14.00	20.62	4227.10	3.96	2.64	1.15	1.65
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	2.00	2.92	3083.52	3.12	7.88	1.17	6.13
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	14.00	20.55	20611.65	45.21	117.75	12.74	53.43
	Arterial	0.00	0.83	239.04	0.93	0.46	0.12	0.46
	Open Water	5.00	7.40	1369.00	0.96	0.30	0.30	0.30
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	148.00	59258.09	117.63	129.99	16.44
Calhoun Creek 4C070 Area 408.9	Wetland, Forest, Preservation	32.00	130.85	392.54	3.93	1.31	1.31	1.31
	Agriculture	34.00	137.24	61756.20	118.02	1.37	1.37	1.37
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	2.00	8.06	3392.42	14.50	1.48	0.64	8.78
	Low Density Residential	15.00	60.01	12301.03	11.52	7.68	3.36	4.80
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	2.00	8.18	3516.54	1.14	9.81	2.04	29.85
	Highway	10.00	40.66	40781.98	89.45	232.98	25.21	105.72
	Arterial	0.00	3.47	999.36	3.89	1.94	0.52	1.94
	Open Water	5.00	20.45	3782.33	2.66	0.82	0.82	0.82
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	408.90	126922.39	245.11	257.40	35.28
Calhoun Creek 4C080 Area 74	Wetland, Forest, Preservation	40.00	29.60	88.80	0.89	0.30	0.30	0.30
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	20.00	14.80	3034.00	2.84	1.89	0.83	1.18
	Medium Density Residential	10.00	7.40	3034.00	2.78	1.89	0.83	1.18
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	25.00	18.31	18364.93	40.28	104.92	11.35	47.61
	Arterial	0.00	0.19	54.72	0.21	0.11	0.03	0.11
	Open Water	5.00	3.70	684.50	0.48	0.15	0.15	0.15
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	74.00	25260.95	47.49	109.26	13.48

Table
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Existing Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area	Area	Sediment	Phosphorous	Lead	Copper	Zinc
		(%total)	(acres)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)
Calhoun Creek 4C085 Area 47	Wetland, Forest, Preservation	5.00	2.35	7.05	0.07	0.02	0.02	0.02
	Agriculture	20.00	9.27	4171.50	7.97	0.09	0.09	0.09
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	5.00	2.26	951.46	4.07	0.42	0.18	2.46
	Low Density Residential	65.00	29.89	6127.45	5.74	3.83	1.67	2.39
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	5.00	2.35	2357.05	5.17	13.47	1.46	6.11
	Arterial	0.00	0.88	253.44	0.99	0.49	0.13	0.49
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	47.00	13867.95	24.01	18.32	3.56
Calhoun Creek 4C090 Area 28.9	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	5.00	1.45	650.25	1.24	0.01	0.01	0.01
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	5.00	1.45	296.23	0.28	0.18	0.08	0.12
	Medium Density Residential	55.00	15.60	6393.95	5.86	3.99	1.75	2.50
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	5.00	1.45	1525.92	1.55	3.90	0.58	3.03
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.30	86.40	0.34	0.17	0.05	0.17
	Open Water	30.00	8.67	1603.95	1.13	0.35	0.35	0.35
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	28.90	10556.70	10.39	8.61	2.81
Calhoun Creek 4C091 Area 65	Wetland, Forest, Preservation	10.00	6.50	19.50	0.20	0.07	0.07	0.07
	Agriculture	23.00	14.83	6673.50	12.75	0.15	0.15	0.15
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	10.00	6.50	2736.50	11.70	1.20	0.52	7.09
	Low Density Residential	45.00	27.60	5658.00	5.30	3.53	1.55	2.21
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	10.00	6.32	6673.92	6.76	17.06	2.53	13.27
	Industrial	2.00	1.30	559.00	0.18	1.56	0.33	4.75
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.95	561.60	2.18	1.09	0.29	1.09
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	65.00	22882.02	39.08	24.66	5.42
Calhoun Creek 4D010 Area 133.8	Wetland, Forest, Preservation	25.00	33.45	100.35	1.00	0.33	0.33	0.33
	Agriculture	45.00	60.21	27094.50	51.78	0.60	0.60	0.60
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	25.00	33.19	6803.95	6.37	4.25	1.86	2.66
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	5.00	6.69	6710.07	14.72	38.33	4.15	17.39
	Arterial	0.00	0.26	74.88	0.29	0.15	0.04	0.15
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	133.80	40783.75	74.17	43.66	6.98
Calhoun Creek 4E010 Area 317.4	Wetland, Forest, Preservation	30.00	95.17	285.51	2.86	0.95	0.95	0.95
	Agriculture	20.00	61.80	27810.00	53.15	0.62	0.62	0.62
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	3.00	9.29	3911.93	16.73	1.71	0.74	10.13
	Low Density Residential	6.00	18.46	3785.12	3.55	2.36	1.03	1.48
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	2.00	6.27	6619.01	6.71	16.92	2.51	13.16
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	7.00	22.22	22284.65	48.88	127.31	13.78	57.77
	Arterial	0.00	2.62	754.56	2.93	1.47	0.39	1.47
	Open Water	2.00	6.35	1174.38	0.83	0.25	0.25	0.25
	Extractive, Landfill	30.00	95.22	318415.68	8.47	0.95	0.95	0.95
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	317.40	385040.84	144.09	152.55	21.23

Table
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Existing Conditions

Drainage Areas	Land Uses	Total Loadings							
		Area	Area	Sediment	Phosphorous	Lead	Copper	Zinc	
		(%total)	(acres)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	
Calhoun Creek 4E020 Area 21.3	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	83.00	17.49	17541.47	38.48	100.21	10.84	45.47	
	Arterial	0.00	0.19	54.72	0.21	0.11	0.03	0.11	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	17.00	3.62	12108.62	0.32	0.04	0.04	0.04	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	21.30	29704.81	39.01	100.35	10.91	45.61
Calhoun Creek 4E030 Area 600.6	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	OUTSIDE STUDY AREA	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calhoun Creek 4E040 Area 42.7	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	OUTSIDE STUDY AREA	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calhoun Creek 4E050 Area 29.9	Wetland, Forest, Preservation	20.00	5.98	17.94	0.18	0.06	0.06	0.06	
	Agriculture	59.00	17.03	7663.95	14.65	0.17	0.17	0.17	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	20.00	5.98	1225.90	1.15	0.77	0.33	0.48	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	1.00	0.30	299.90	0.66	1.71	0.19	0.78	
	Arterial	0.00	0.61	175.68	0.68	0.34	0.09	0.34	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	29.90	9383.37	17.32	3.05	0.84	1.83
Calhoun Creek 4E060 Area 256.2	Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Agriculture	38.00	96.07	43229.70	82.62	0.96	0.96	0.96	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	10.00	25.62	5252.10	4.92	3.28	1.43	2.05	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	1.54	443.52	1.72	0.86	0.23	0.86	
	Open Water	2.00	5.12	947.94	0.67	0.20	0.20	0.20	
	Extractive, Landfill	50.00	127.85	427530.40	11.38	1.28	1.28	1.28	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	256.20	477403.66	101.31	6.59	4.11	5.36

Table
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Existing Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area	Area	Sediment	Phosphorous	Lead	Copper	Zinc
		(%total)	(acres)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)
Calhoun Creek 4F010 Area 251.2	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	50.00	123.65	55642.50	106.34	1.24	1.24	1.24
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	2.00	4.98	1021.72	0.96	0.64	0.28	0.40
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	10.00	25.12	25195.36	55.26	143.94	15.57	65.31
	Arterial	0.00	1.99	573.12	2.23	1.11	0.30	1.11
	Open Water	11.00	27.63	5111.92	3.59	1.11	1.11	1.11
	Extractive, Landfill	27.00	67.82	226803.46	6.04	0.68	0.68	0.68
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<i>Subtotal</i>		100.00	251.20	314348.08	174.42	148.71	19.17
Upper Root River 2A010 Area 101.1	Wetland, Forest, Preservation	25.00	25.28	75.83	0.76	0.25	0.25	0.25
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	50.00	50.21	20937.57	141.09	0.50	0.50	3.01
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	24.50	24.41	5003.95	4.69	3.12	1.37	1.95
	Medium Density Residential	0.50	0.46	186.76	0.17	0.12	0.05	0.07
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.75	216.00	0.84	0.42	0.11	0.42
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<i>Subtotal</i>		100.00	101.10	26420.10	147.55	4.42	2.29
Upper Root River 2A015 Area 64.6	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	40.00	25.73	10729.41	72.30	0.26	0.26	1.54
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Medium Density Residential	60.00	38.65	15846.50	14.53	9.89	4.33	6.18
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.22	63.36	0.25	0.12	0.03	0.12
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<i>Subtotal</i>		100.00	64.60	26639.27	87.08	10.27	4.62
Upper Root River 2A020 Area 105.3	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.50	0.53	219.55	1.48	0.01	0.01	0.03
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	32.00	33.61	6889.23	6.45	4.30	1.88	2.69
	Medium Density Residential	52.50	55.28	22665.83	20.79	14.15	6.19	8.85
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	5.00	5.27	5559.84	5.63	14.22	2.11	11.06
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.17	48.96	0.19	0.10	0.03	0.10
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	10.00	10.45	5643.00	4.60	4.39	0.00	20.90
	<i>Subtotal</i>		100.00	105.30	41026.41	39.14	37.16	10.21
Upper Root River 2A030 Area 148	Wetland, Forest, Preservation	50.00	74.00	222.00	2.22	0.74	0.74	0.74
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	25.00	37.00	7585.00	7.10	4.74	2.07	2.96
	Medium Density Residential	25.00	37.00	15170.00	13.91	9.47	4.14	5.92
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<i>Subtotal</i>		100.00	148.00	22977.00	23.24	14.95	6.96

Table
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Existing Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)
Upper Root River 2A040 Area 79.7	Wetland, Forest, Preservation	5.00	3.98	11.93	0.12	0.04	0.04	0.04
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	15.00	11.80	4965.70	21.23	2.17	0.94	12.86
	Low Density Residential	30.00	23.85	4889.25	4.58	3.05	1.34	1.91
	Medium Density Residential	45.00	35.37	14499.65	13.30	9.05	3.96	5.66
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	5.00	3.98	4197.60	4.25	10.73	1.59	8.35
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.74	213.12	0.83	0.41	0.11	0.41
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	79.70	28777.24	44.31	25.46	7.98
Upper Root River 2A050 Area 189.8	Wetland, Forest, Preservation	10.00	18.98	56.94	0.57	0.19	0.19	0.19
	Agriculture	5.00	9.49	4270.50	8.16	0.09	0.09	0.09
	Park	15.00	28.47	11871.99	80.00	0.28	0.28	1.71
	Institutional	10.00	18.96	7982.16	34.13	3.49	1.52	20.67
	Low Density Residential	27.55	52.29	10719.43	10.04	6.69	2.93	4.18
	Medium Density Residential	16.15	30.25	12403.61	11.38	7.74	3.39	4.84
	High Density Residential	2.30	4.35	2494.26	2.26	1.56	0.70	0.97
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	4.00	7.59	3264.56	1.06	9.11	1.90	27.71
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.44	126.72	0.49	0.25	0.07	0.25
	Open Water	3.00	5.69	1053.39	0.74	0.23	0.23	0.23
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	7.00	13.29	7174.44	5.85	5.58	0.00	26.57
	Subtotal		100.00	189.80	61418.00	154.68	35.22	11.29
Upper Root River 2A060 Area 295.2	Wetland, Forest, Preservation	6.00	17.66	52.99	0.53	0.18	0.18	0.18
	Agriculture	10.00	29.39	13225.50	25.28	0.29	0.29	0.29
	Park	14.00	41.33	17233.78	116.13	0.41	0.41	2.48
	Institutional	7.00	20.49	8627.97	36.89	3.77	1.64	22.34
	Low Density Residential	60.00	175.79	36036.95	33.75	22.50	9.84	14.06
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.68	483.84	1.88	0.94	0.25	0.94
	Open Water	3.00	8.86	1638.36	1.15	0.35	0.35	0.35
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	295.20	77299.39	215.61	28.45	12.97
Upper Root River 2B010 Area 106.2	Wetland, Forest, Preservation	9.00	9.56	28.67	0.29	0.10	0.10	0.10
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	25.00	26.55	11071.35	74.61	0.27	0.27	1.59
	Institutional	2.00	2.12	894.20	3.82	0.39	0.17	2.32
	Low Density Residential	52.00	54.15	11101.57	10.40	6.93	3.03	4.33
	Medium Density Residential	3.00	3.19	1306.26	1.20	0.82	0.36	0.51
	High Density Residential	5.00	5.21	2990.54	2.71	1.88	0.83	1.17
	Commercial	4.00	4.22	4454.21	4.51	11.39	1.69	8.86
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.20	345.60	1.34	0.67	0.18	0.67
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	106.20	32192.41	98.88	22.44	6.62
Upper Root River 2B012 Area 22.3	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Medium Density Residential	95.00	20.58	8435.75	7.74	5.27	2.30	3.29
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	5.00	1.09	1145.76	1.16	2.93	0.43	2.28
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.64	184.32	0.72	0.36	0.10	0.36
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	22.30	9765.83	9.61	8.56	2.83

Table
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Existing Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area	Area	Sediment	Phosphorous	Lead	Copper	Zinc
		(%total)	(acres)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)
Upper Root River 2B013 Area 25.6	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Medium Density Residential	100.00	25.60	10496.00	9.63	6.55	2.87	4.10
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	25.60	10496.00	9.63	6.55	2.87
Upper Root River 2B014 Area 67.4	Wetland, Forest, Preservation	8.00	5.19	15.58	0.16	0.05	0.05	0.05
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Medium Density Residential	80.00	53.72	22025.20	20.20	13.75	6.02	8.60
	High Density Residential	5.00	3.20	1836.80	1.66	1.15	0.51	0.72
	Commercial	5.00	3.27	3453.12	3.50	8.83	1.31	6.87
	Industrial	2.00	1.35	579.64	0.19	1.62	0.34	4.92
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.67	192.96	0.75	0.38	0.10	0.38
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	67.40	28103.30	26.46	25.78	8.33
Upper Root River 2B015 Area 42.7	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	8.00	3.42	1537.20	2.94	0.03	0.03	0.03
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Medium Density Residential	92.00	38.65	15848.14	14.53	9.90	4.33	6.18
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.63	181.44	0.71	0.35	0.09	0.35
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	42.70	17566.78	18.18	10.28	4.46
Upper Root River 2B020 Area 83.5	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	20.00	16.46	7407.00	14.16	0.16	0.16	0.16
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	5.00	3.94	1656.64	7.08	0.72	0.31	4.29
	Low Density Residential	30.00	24.24	4969.20	4.65	3.10	1.36	1.94
	Medium Density Residential	25.00	20.08	8230.75	7.55	5.14	2.25	3.21
	High Density Residential	10.00	8.35	4792.90	4.34	3.01	1.34	1.87
	Commercial	7.00	5.65	5961.12	6.04	15.24	2.26	11.85
	Industrial	3.00	2.36	1012.65	0.33	2.83	0.59	8.60
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	2.44	702.72	2.73	1.37	0.37	1.37
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	83.50	34732.98	46.89	31.57	8.63
Upper Root River 2B030 Area 75.9	Wetland, Forest, Preservation	20.00	15.18	45.54	0.46	0.15	0.15	0.15
	Agriculture	27.00	19.97	8987.85	17.18	0.20	0.20	0.20
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Medium Density Residential	50.00	37.60	15416.00	14.14	9.63	4.21	6.02
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	3.00	2.23	2351.71	2.38	6.01	0.89	4.68
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.92	264.96	1.03	0.52	0.14	0.52
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	75.90	27066.06	35.18	16.51	5.59

Table
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Existing Conditions

Drainage Areas	Land Uses	Total Loadings							
		Area	Area	Sediment	Phosphorous	Lead	Copper	Zinc	
		(%total)	(acres)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	
Upper Root River 2B040 Area 68.3	Wetland, Forest, Preservation	11.00	7.51	22.54	0.23	0.08	0.08	0.08	
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Medium Density Residential	89.00	60.79	24922.67	22.86	15.56	6.81	9.73	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	<i>Subtotal</i>		100.00	68.30	24945.21	23.08	15.64	6.88	9.80
	Upper Root River 2B050 Area 249.1	Wetland, Forest, Preservation	10.00	24.91	74.73	0.75	0.25	0.25	0.25
Agriculture		30.00	73.60	33120.00	63.30	0.74	0.74	0.74	
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		3.00	7.41	3120.87	13.34	1.36	0.59	8.08	
Low Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Medium Density Residential		32.00	79.13	32444.12	29.75	20.26	8.86	12.66	
High Density Residential		17.00	42.23	24238.30	21.96	15.20	6.76	9.46	
Commercial		5.00	12.05	12719.52	12.89	32.52	4.82	25.29	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	2.30	662.40	2.58	1.29	0.35	1.29	
Open Water		3.00	7.47	1382.51	0.97	0.30	0.30	0.30	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<i>Subtotal</i>			100.00	249.10	107762.45	145.53	71.92	22.66	58.07
Upper Root River 2B060 Area 248.6		Wetland, Forest, Preservation	10.00	24.86	74.58	0.75	0.25	0.25	0.25
	Agriculture	45.00	110.94	49923.00	95.41	1.11	1.11	1.11	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	8.00	19.89	8372.85	35.80	3.66	1.59	21.68	
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Medium Density Residential	22.00	53.33	21866.12	20.05	13.65	5.97	8.53	
	High Density Residential	10.00	24.37	13988.38	12.67	8.77	3.90	5.46	
	Commercial	5.00	12.25	12936.00	13.11	33.08	4.90	25.73	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	2.96	852.48	3.32	1.66	0.44	1.66	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	<i>Subtotal</i>		100.00	248.60	108013.41	181.10	62.18	18.17	64.41
	Upper Root River 2C010 Area 200.7	Wetland, Forest, Preservation	5.00	10.04	30.11	0.30	0.10	0.10	0.10
Agriculture		25.00	49.70	22362.75	42.74	0.50	0.50	0.50	
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		10.00	20.07	8449.47	36.13	3.69	1.61	21.88	
Low Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Medium Density Residential		45.00	88.67	36352.65	33.34	22.70	9.93	14.19	
High Density Residential		12.00	23.62	13560.18	12.28	8.50	3.78	5.29	
Commercial		3.00	5.88	6210.34	6.29	15.88	2.35	12.35	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	2.73	786.24	3.06	1.53	0.41	1.53	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<i>Subtotal</i>			100.00	200.70	87751.73	134.14	52.90	18.68	55.83
Upper Root River 2D010 Area 162.3		Wetland, Forest, Preservation	6.00	9.74	29.21	0.29	0.10	0.10	0.10
	Agriculture	15.00	23.57	10604.25	20.27	0.24	0.24	0.24	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	10.00	15.48	6517.08	27.86	2.85	1.24	16.87	
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Medium Density Residential	69.00	111.22	45598.97	41.82	28.47	12.46	17.79	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	2.30	662.40	2.58	1.29	0.35	1.29	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	<i>Subtotal</i>		100.00	162.30	63411.91	92.82	32.94	14.37	36.29

Table
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Existing Conditions

Drainage Areas	Land Uses	Total Loadings							
		Area	Area	Sediment	Phosphorous	Lead	Copper	Zinc	
		(%total)	(acres)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	
Upper Root River 2D020 Area 265.2	Wetland, Forest, Preservation	16.00	42.39	127.18	1.27	0.42	0.42	0.42	
	Agriculture	35.00	92.08	41436.00	79.19	0.92	0.92	0.92	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	2.00	5.30	2232.98	9.55	0.98	0.42	5.78	
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Medium Density Residential	47.00	123.68	50710.44	46.51	31.66	13.85	19.79	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	1.74	501.12	1.95	0.97	0.26	0.97	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	<i>Subtotal</i>		100.00	265.20	95007.72	138.46	34.96	15.88	27.89
	Upper Root River 2D030 Area 75.1	Wetland, Forest, Preservation	5.00	3.76	11.27	0.11	0.04	0.04	0.04
Agriculture		15.00	11.24	5055.75	9.66	0.11	0.11	0.11	
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Low Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Medium Density Residential		80.00	59.77	24505.70	22.47	15.30	6.69	9.56	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	0.34	97.92	0.38	0.19	0.05	0.19	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<i>Subtotal</i>			100.00	75.10	29670.64	32.63	15.64	6.90	9.90
Upper Root River 2D031 Area 33.2		Wetland, Forest, Preservation	12.00	3.98	11.95	0.12	0.04	0.04	0.04
	Agriculture	63.00	20.92	9412.20	17.99	0.21	0.21	0.21	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	25.00	8.30	1701.50	1.59	1.06	0.46	0.66	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	<i>Subtotal</i>		100.00	33.20	11125.65	19.70	1.31	0.71	0.91
	Upper Root River 2D032 Area 52.7	Wetland, Forest, Preservation	3.00	1.58	4.74	0.05	0.02	0.02	0.02
Agriculture		8.00	4.22	1897.20	3.63	0.04	0.04	0.04	
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Low Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Medium Density Residential		89.00	46.90	19230.23	17.64	12.01	5.25	7.50	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<i>Subtotal</i>			100.00	52.70	21132.17	21.31	12.07	5.31	7.56
Upper Root River 2D040 Area 173.6		Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	25.00	42.01	18904.50	36.13	0.42	0.42	0.42	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	35.00	59.74	12246.70	11.47	7.65	3.35	4.78	
	Medium Density Residential	10.00	17.36	7117.60	6.53	4.44	1.94	2.78	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	5.00	8.54	9018.24	9.14	23.06	3.42	17.93	
	Industrial	5.00	8.68	3732.40	1.22	10.42	2.17	31.68	
	Highway	20.00	34.48	34583.44	75.86	197.57	21.38	89.65	
	Arterial	0.00	2.79	803.52	3.12	1.56	0.42	1.56	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	<i>Subtotal</i>		100.00	173.60	86406.40	143.46	245.12	33.09	148.80

Table
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Existing Conditions

Drainage Areas	Land Uses	Total Loadings							
		Area	Area	Sediment	Phosphorous	Lead	Copper	Zinc	
		(%total)	(acres)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	
Upper Root River 2E010 Area 189.3	Wetland, Forest, Preservation	15.00	28.40	85.19	0.85	0.28	0.28	0.28	
	Agriculture	53.00	99.93	44968.05	85.94	1.00	1.00	1.00	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	2.00	3.79	1593.91	6.81	0.70	0.30	4.13	
	Low Density Residential	25.00	46.39	9508.93	8.91	5.94	2.60	3.71	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	5.00	9.47	9493.40	20.82	54.23	5.87	24.61	
	Arterial	0.00	1.34	385.92	1.50	0.75	0.20	0.75	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	189.30	66035.38	124.84	62.90	10.25	34.48
	Upper Root River 2E011 Area 98.2	Wetland, Forest, Preservation	26.00	25.02	75.07	0.75	0.25	0.25	0.25
		Agriculture	20.00	18.66	8397.00	16.05	0.19	0.19	0.19
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		10.00	9.49	3995.29	17.08	1.75	0.76	10.34	
Low Density Residential		18.00	17.60	3607.18	3.38	2.25	0.99	1.41	
Medium Density Residential		8.00	6.98	2860.16	2.62	1.79	0.78	1.12	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		3.00	2.81	2963.14	3.00	7.58	1.12	5.89	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		15.00	14.73	14774.19	32.41	84.40	9.13	38.30	
Arterial		0.00	2.92	840.96	3.27	1.64	0.44	1.64	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	98.20	37512.98	78.56	99.84	13.66	59.13
Upper Root River 2E020 Area 116.7		Wetland, Forest, Preservation	5.00	5.84	17.51	0.18	0.06	0.06	0.06
		Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	8.00	9.30	3913.62	16.73	1.71	0.74	10.13	
	Low Density Residential	82.00	94.96	19467.62	18.23	12.16	5.32	7.60	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	5.00	5.84	5852.51	12.84	33.43	3.62	15.17	
	Arterial	0.00	0.77	221.76	0.86	0.43	0.12	0.43	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	116.70	29473.01	48.84	47.79	9.85	33.39
	Upper Root River 2E030 Area 39.9	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Low Density Residential		100.00	39.90	8179.50	7.66	5.11	2.23	3.19	
Medium Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	39.90	8179.50	7.66	5.11	2.23	3.19
Upper Root River 2E040 Area 11.4		Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Agriculture	5.00	0.57	256.50	0.49	0.01	0.01	0.01
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	95.00	10.83	2220.15	2.08	1.39	0.61	0.87	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	11.40	2476.65	2.57	1.39	0.61	0.87

Table
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Existing Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area	Area	Sediment	Phosphorous	Lead	Copper	Zinc
		(%total)	(acres)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)
Upper Root River 2E050 Area 42.7	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	2.00	0.85	384.30	0.73	0.01	0.01	0.01
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	98.00	41.85	8578.43	8.03	5.36	2.34	3.35
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<i>Subtotal</i>		100.00	42.70	8962.73	8.77	5.36	2.35
Upper Root River 2E060 Area 169.4	Wetland, Forest, Preservation	10.00	16.94	50.82	0.51	0.17	0.17	0.17
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	88.00	147.94	30328.11	28.40	18.94	8.28	11.84
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.19	342.72	1.33	0.67	0.18	0.67
	Open Water	2.00	3.33	615.68	0.43	0.13	0.13	0.13
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<i>Subtotal</i>		100.00	169.40	31337.33	30.68	19.91	8.77
Upper Root River 2E070 Area 64.1	Wetland, Forest, Preservation	35.00	22.44	67.31	0.67	0.22	0.22	0.22
	Agriculture	5.00	3.21	1442.25	2.76	0.03	0.03	0.03
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	30.00	18.92	3878.60	3.63	2.42	1.06	1.51
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.31	89.28	0.35	0.17	0.05	0.17
	Open Water	30.00	19.23	3557.55	2.50	0.77	0.77	0.77
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<i>Subtotal</i>		100.00	64.10	9034.99	9.91	3.62	2.13
Upper Root River 2E071 Area 18.5	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	98.00	17.93	3675.65	3.44	2.30	1.00	1.43
	Medium Density Residential	2.00	0.20	82.00	0.08	0.05	0.02	0.03
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.37	106.56	0.41	0.21	0.06	0.21
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<i>Subtotal</i>		100.00	18.50	3864.21	3.93	2.55	1.08
Upper Root River 2E080 Area 129	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	90.00	115.44	51948.00	99.28	1.15	1.15	1.15
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	5.00	6.30	1291.50	1.21	0.81	0.35	0.50
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	5.00	6.45	6811.20	6.90	17.42	2.58	13.55
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.81	233.28	0.91	0.45	0.12	0.45
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<i>Subtotal</i>		100.00	129.00	60283.98	108.30	19.83	4.21

Table
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Existing Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)
Upper Root River 2E090 Area 155.1	Wetland, Forest, Preservation	65.00	100.82	302.45	3.02	1.01	1.01	1.01
	Agriculture	15.00	22.62	10176.75	19.45	0.23	0.23	0.23
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	15.00	23.11	4736.53	4.44	2.96	1.29	1.85
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.81	233.28	0.91	0.45	0.12	0.45
	Open Water	5.00	7.76	1434.68	1.01	0.31	0.31	0.31
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	155.10	16883.68	28.82	4.96	2.96
Upper Root River 2F010 Area 135.2	Wetland, Forest, Preservation	15.00	20.28	60.84	0.61	0.20	0.20	0.20
	Agriculture	30.00	39.88	17946.00	34.30	0.40	0.40	0.40
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	45.00	60.39	12379.95	11.59	7.73	3.38	4.83
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	10.00	13.52	13560.56	29.74	77.47	8.38	35.15
	Arterial	0.00	1.13	325.44	1.27	0.63	0.17	0.63
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	135.20	44272.79	77.51	86.43	12.54
Tess Corners Creek 5A010 Area 234.8	Wetland, Forest, Preservation	40.00	93.84	281.52	2.82	0.94	0.94	0.94
	Agriculture	5.00	11.26	5067.00	9.68	0.11	0.11	0.11
	Park	15.00	35.22	14686.74	98.97	0.35	0.35	2.11
	Institutional	5.00	11.68	4917.28	21.02	2.15	0.93	12.73
	Low Density Residential	35.00	80.61	16525.05	15.48	10.32	4.51	6.45
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	2.19	630.72	2.45	1.23	0.33	1.23
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	234.80	42108.31	150.42	15.10	7.18
Tess Corners Creek 5A020 Area 1337.9	Wetland, Forest, Preservation	30.00	401.01	1203.03	12.03	4.01	4.01	4.01
	Agriculture	53.00	702.15	315966.15	603.85	7.02	7.02	7.02
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	2.00	26.76	11265.12	48.16	4.92	2.14	29.17
	Low Density Residential	10.00	130.42	26736.10	25.04	16.69	7.30	10.43
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	3.00	40.02	42257.95	42.82	108.05	16.01	84.04
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	10.79	3107.52	12.08	6.04	1.62	6.04
	Open Water	2.00	26.76	4950.23	3.48	1.07	1.07	1.07
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	1337.90	405486.10	747.46	147.81	39.17
Tess Corners Creek 5A030 Area 49.8	Wetland, Forest, Preservation	12.00	5.98	17.93	0.18	0.06	0.06	0.06
	Agriculture	60.00	29.04	13068.00	24.97	0.29	0.29	0.29
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	23.00	10.68	2190.22	2.05	1.37	0.60	0.85
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	5.00	2.43	2566.08	2.60	6.56	0.97	5.10
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.67	480.96	1.87	0.94	0.25	0.94
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	49.80	18323.19	31.68	9.21	2.17

Table
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Existing Conditions

Drainage Areas	Land Uses	Total Loadings							
		Area	Area	Sediment	Phosphorous	Lead	Copper	Zinc	
		(%total)	(acres)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	
Tess Corners Creek 5A031 Area 84.5	Wetland, Forest, Preservation	10.00	8.45	25.35	0.25	0.08	0.08	0.08	
	Agriculture	40.00	33.05	14872.50	28.42	0.33	0.33	0.33	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	10.00	8.34	1709.70	1.60	1.07	0.47	0.67	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	40.00	33.59	35471.04	35.94	90.69	13.44	70.54	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	1.07	308.16	1.20	0.60	0.16	0.60	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	84.50	52386.75	67.42	92.77	14.48	72.22
	Underwood Creek 1A010 Area 160.4	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Low Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Medium Density Residential		89.00	140.86	57750.96	52.96	36.06	15.78	22.54	
High Density Residential		2.00	2.91	1669.19	1.51	1.05	0.47	0.65	
Commercial		2.00	3.04	3208.13	3.25	8.20	1.22	6.38	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	2.46	708.48	2.76	1.38	0.37	1.38	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		7.00	11.14	6014.52	4.90	4.68	0.00	22.28	
Subtotal			100.00	160.40	69351.28	65.38	51.36	17.83	53.22
Underwood Creek 1A020 Area 26.13		Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	89.00	22.91	4695.67	4.40	2.93	1.28	1.83	
	Medium Density Residential	10.00	2.25	923.73	0.85	0.58	0.25	0.36	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	1.00	0.22	233.69	0.24	0.60	0.09	0.46	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	0.75	216.00	0.84	0.42	0.11	0.42	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	26.13	6069.09	6.32	4.53	1.74	3.08
	Underwood Creek 1A030 Area 128.1	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Low Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
OUTSIDE STUDY AREA		Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			0.00	0.00	0.00	0.00	0.00	0.00	0.00
Underwood Creek 1A031 Area 179.6		Wetland, Forest, Preservation	2.00	3.59	10.78	0.11	0.04	0.04	0.04
		Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	34.00	61.02	25691.10	109.84	11.23	4.88	66.52	
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Medium Density Residential	57.00	101.45	41595.32	38.15	25.97	11.36	16.23	
	High Density Residential	2.00	3.55	2038.85	1.85	1.28	0.57	0.80	
	Commercial	3.00	5.10	5383.49	5.45	13.76	2.04	10.71	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	1.29	371.52	1.44	0.72	0.19	0.72	
	Open Water	2.00	3.59	664.52	0.47	0.14	0.14	0.14	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	179.60	75755.58	157.31	53.15	19.23	95.15

Table
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Existing Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)
Underwood Creek 1A032 Area 95.84	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	1.00	0.96	431.28	0.82	0.01	0.01	0.01
	Park	10.00	9.53	3975.68	26.79	0.10	0.10	0.57
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	40.00	38.34	7858.88	7.36	4.91	2.15	3.07
	Medium Density Residential	46.00	43.32	17759.72	16.29	11.09	4.85	6.93
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	3.00	2.86	3015.09	3.06	7.71	1.14	6.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.84	241.92	0.94	0.47	0.13	0.47
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	95.84	33282.57	55.26	24.28	8.37
Deer Creek 3A010 Area 343.5	Wetland, Forest, Preservation	25.00	85.75	257.24	2.57	0.86	0.86	0.86
	Agriculture	10.00	33.57	15106.50	28.87	0.34	0.34	0.34
	Park	8.80	30.23	12605.08	84.94	0.30	0.30	1.81
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	3.00	9.83	2014.13	1.89	1.26	0.55	0.79
	Medium Density Residential	22.60	76.82	31496.61	28.88	19.67	8.60	12.29
	High Density Residential	21.00	71.62	41107.01	37.24	25.78	11.46	16.04
	Commercial	1.60	5.29	5582.02	5.66	14.27	2.11	11.10
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	2.93	843.84	3.28	1.64	0.44	1.64
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	8.00	27.48	14839.20	12.09	11.54	0.00	54.96
	Subtotal		100.00	343.50	123851.61	205.42	75.66	24.66
Deer Creek 3A011 Area 14.2	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	15.00	2.13	958.50	1.83	0.02	0.02	0.02
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	80.00	10.96	4614.16	19.73	2.02	0.88	11.95
	Low Density Residential	4.00	0.53	108.24	0.10	0.07	0.03	0.04
	Medium Density Residential	1.00	0.14	58.22	0.05	0.04	0.02	0.02
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.44	126.72	0.49	0.25	0.07	0.25
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	14.20	5865.84	22.21	2.39	1.01
Deer Creek 3A020 Area 210.8	Wetland, Forest, Preservation	12.00	25.30	75.89	0.76	0.25	0.25	0.25
	Agriculture	15.80	32.38	14569.38	27.84	0.32	0.32	0.32
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	20.80	43.25	8865.51	8.30	5.54	2.42	3.46
	Medium Density Residential	2.00	4.22	1728.56	1.59	1.08	0.47	0.67
	High Density Residential	1.00	2.11	1209.99	1.10	0.76	0.34	0.47
	Commercial	6.00	12.50	13197.89	13.37	33.74	5.00	26.25
	Industrial	38.40	80.95	34807.30	11.33	97.14	20.24	295.46
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.80	518.40	2.02	1.01	0.27	1.01
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	4.00	8.31	4488.48	3.66	3.49	0.00	16.62
	Subtotal		100.00	210.80	79461.40	69.97	143.33	29.31
Deer Creek 3A030 Area 162.1	Wetland, Forest, Preservation	7.00	11.35	34.04	0.34	0.11	0.11	0.11
	Agriculture	5.00	8.11	3647.25	6.97	0.08	0.08	0.08
	Park	7.00	11.28	4702.51	31.69	0.11	0.11	0.68
	Institutional	6.00	9.60	4039.92	17.27	1.77	0.77	10.46
	Low Density Residential	20.00	32.42	6646.10	6.22	4.15	1.82	2.59
	Medium Density Residential	33.00	52.76	21632.83	19.84	13.51	5.91	8.44
	High Density Residential	15.00	23.92	13727.21	12.44	8.61	3.83	5.36
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.33	383.04	1.49	0.74	0.20	0.74
	Open Water	7.00	11.35	2099.20	1.48	0.45	0.45	0.45
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	162.10	56912.09	97.74	29.54	13.28

Table
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Existing Conditions

Drainage Areas	Land Uses	Total Loadings							
		Area	Area	Sediment	Phosphorous	Lead	Copper	Zinc	
		(%total)	(acres)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	
Deer Creek 3A031 Area 60	Wetland, Forest, Preservation	4.00	2.40	7.20	0.07	0.02	0.02	0.02	
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	9.00	5.07	1039.35	0.97	0.65	0.28	0.41	
	Medium Density Residential	1.00	0.60	246.00	0.23	0.15	0.07	0.10	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	1.00	0.60	633.60	0.64	1.62	0.24	1.26	
	Industrial	85.00	50.28	21620.40	7.04	60.34	12.57	183.52	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	1.05	302.40	1.18	0.59	0.16	0.59	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	60.00	23848.95	10.13	63.37	13.34	185.90
	Deer Creek 3A032 Area 169.4	Wetland, Forest, Preservation	15.00	25.33	75.99	0.76	0.25	0.25	0.25
		Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		1.00	1.69	713.17	3.05	0.31	0.14	1.85	
Low Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Medium Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		4.00	6.73	7102.66	7.20	18.16	2.69	14.12	
Industrial		80.00	134.05	57641.50	18.77	160.86	33.51	489.28	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	1.60	460.80	1.79	0.90	0.24	0.90	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	169.40	65994.12	31.56	180.48	36.83	506.40
Deer Creek 3A033 Area 212.9		Wetland, Forest, Preservation	20.00	42.32	126.96	1.27	0.42	0.42	0.42
		Agriculture	12.00	25.21	11343.60	21.68	0.25	0.25	0.25
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	5.00	10.57	4447.87	19.02	1.94	0.85	11.52	
	Low Density Residential	10.00	21.21	4348.05	4.07	2.71	1.19	1.70	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	8.00	16.88	17827.39	18.06	45.58	6.75	35.45	
	Industrial	45.00	93.04	40005.05	13.02	111.64	23.26	339.58	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	3.68	1059.84	4.12	2.06	0.55	2.06	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	212.90	79158.76	81.25	164.62	33.27	390.98
	Deer Creek 3A040 Area 271.4	Wetland, Forest, Preservation	43.00	116.59	349.78	3.50	1.17	1.17	1.17
		Agriculture	6.00	15.86	7138.80	13.64	0.16	0.16	0.16
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Low Density Residential		10.00	27.14	5563.70	5.21	3.47	1.52	2.17	
Medium Density Residential		25.00	65.91	27023.10	24.78	16.87	7.38	10.55	
High Density Residential		10.00	27.14	15578.36	14.11	9.77	4.34	6.08	
Commercial		6.00	15.76	16646.78	16.87	42.56	6.31	33.10	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	2.99	861.12	3.35	1.67	0.45	1.67	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	271.40	73161.64	81.46	75.68	21.32	54.90
Deer Creek 3A041 Area 10		Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Agriculture	10.00	1.00	450.00	0.86	0.01	0.01	0.01
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	90.00	8.75	9240.00	9.36	23.63	3.50	18.38	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	0.25	72.00	0.28	0.14	0.04	0.14	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	10.00	9762.00	10.50	23.78	3.55	18.53

Table
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Existing Conditions

Drainage Areas	Land Uses	Total Loadings							
		Area	Area	Sediment	Phosphorous	Lead	Copper	Zinc	
		(%total)	(acres)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	
Deer Creek 3A042 Area 121	Wetland, Forest, Preservation	25.00	30.13	90.39	0.90	0.30	0.30	0.30	
	Agriculture	0.00	-0.18	-81.00	-0.15	0.00	0.00	0.00	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	45.00	53.63	10994.15	10.30	6.86	3.00	4.29	
	Medium Density Residential	5.00	6.05	2480.50	2.27	1.55	0.68	0.97	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	8.00	9.68	10222.08	10.36	26.14	3.87	20.33	
	Industrial	17.00	20.51	8819.30	2.87	24.61	5.13	74.86	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	1.18	339.84	1.32	0.66	0.18	0.66	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	121.00	32865.26	27.87	60.12	13.16	101.41
	Deer Creek 3A043 Area 123.4	Wetland, Forest, Preservation	15.00	18.07	54.21	0.54	0.18	0.18	0.18
		Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Low Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Medium Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		35.00	42.66	45048.96	45.65	115.18	17.06	89.59	
Industrial		50.00	61.51	26449.30	8.61	73.81	15.38	224.51	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	1.16	334.08	1.30	0.65	0.17	0.65	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	123.40	71886.55	56.10	189.82	32.80	314.93
Deer Creek 3A044 Area 127.2		Wetland, Forest, Preservation	10.00	12.72	38.16	0.38	0.13	0.13	0.13
		Agriculture	15.00	18.84	8478.00	16.20	0.19	0.19	0.19
	Park	2.00	2.54	1060.85	7.15	0.03	0.03	0.15	
	Institutional	2.00	2.54	1071.02	4.58	0.47	0.20	2.77	
	Low Density Residential	15.00	18.71	3835.55	3.59	2.39	1.05	1.50	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	20.00	24.46	25829.76	26.17	66.04	9.78	51.37	
	Industrial	36.00	45.05	19372.36	6.31	54.06	11.26	164.44	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	2.33	671.04	2.61	1.30	0.35	1.30	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	127.20	60356.74	66.99	124.61	22.99	221.85
	Deer Creek 3A050 Area 122.4	Wetland, Forest, Preservation	20.00	24.48	73.44	0.73	0.24	0.24	0.24
		Agriculture	37.00	44.84	20177.10	38.56	0.45	0.45	0.45
Park		10.00	12.24	5104.08	34.39	0.12	0.12	0.73	
Institutional		3.00	3.59	1512.23	6.47	0.66	0.29	3.92	
Low Density Residential		9.00	11.02	2258.28	2.12	1.41	0.62	0.88	
Medium Density Residential		2.00	2.07	847.88	0.78	0.53	0.23	0.33	
High Density Residential		7.00	8.49	4872.11	4.41	3.06	1.36	1.90	
Commercial		10.00	11.71	12365.76	12.53	31.62	4.68	24.59	
Industrial		2.00	2.45	1052.64	0.34	2.94	0.61	8.94	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	1.52	437.76	1.70	0.85	0.23	0.85	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	122.40	48701.28	102.04	41.88	8.83	42.83
Deer Creek 3A060 Area 216.8		Wetland, Forest, Preservation	25.00	54.20	162.60	1.63	0.54	0.54	0.54
		Agriculture	25.00	53.80	24210.00	46.27	0.54	0.54	0.54
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	12.00	26.02	5333.28	5.00	3.33	1.46	2.08	
	Medium Density Residential	8.00	16.95	6951.14	6.37	4.34	1.90	2.71	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	5.00	10.71	11309.76	11.46	28.92	4.28	22.49	
	Industrial	8.00	17.34	7457.92	2.43	20.81	4.34	63.31	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	0.92	264.96	1.03	0.52	0.14	0.52	
	Open Water	2.00	4.34	802.16	0.56	0.17	0.17	0.17	
	Extractive, Landfill	15.00	32.52	108746.88	2.89	0.33	0.33	0.33	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	216.80	165238.70	77.64	59.49	13.69	92.68

Table
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Existing Conditions

Drainage Areas	Land Uses	Total Loadings							
		Area	Area	Sediment	Phosphorous	Lead	Copper	Zinc	
		(%total)	(acres)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	
Deer Creek 3A070 Area 429.8	Wetland, Forest, Preservation	10.00	42.98	128.94	1.29	0.43	0.43	0.43	
	Agriculture	12.00	51.33	23096.70	44.14	0.51	0.51	0.51	
	Park	6.00	25.79	10753.60	72.46	0.26	0.26	1.55	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	5.00	21.49	4405.45	4.13	2.75	1.20	1.72	
	Medium Density Residential	60.00	255.59	104791.90	96.10	65.43	28.63	40.89	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	3.00	11.76	12422.78	12.59	31.76	4.71	24.70	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	3.67	1056.96	4.11	2.06	0.55	2.06	
	Open Water	4.00	17.19	3180.52	2.23	0.69	0.69	0.69	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	429.80	159836.85	237.05	103.89	36.97	72.55
	Deer Creek 3A080 Area 173.6	Wetland, Forest, Preservation	20.00	34.72	104.16	1.04	0.35	0.35	0.35
		Agriculture	5.00	8.37	3766.50	7.20	0.08	0.08	0.08
Park		3.00	5.21	2171.74	14.63	0.05	0.05	0.31	
Institutional		30.00	52.08	21925.68	93.74	9.58	4.17	56.77	
Low Density Residential		27.00	46.73	9580.06	8.97	5.98	2.62	3.74	
Medium Density Residential		10.00	17.16	7035.60	6.45	4.39	1.92	2.75	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		3.00	5.21	5499.65	5.57	14.06	2.08	10.94	
Industrial		2.00	3.44	1480.06	0.48	4.13	0.86	12.56	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	0.68	195.84	0.76	0.38	0.10	0.38	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	173.60	51759.28	138.86	39.01	12.23	87.88
Poplar Creek 6A010 Area 610.6		Wetland, Forest, Preservation	32.00	193.76	581.29	5.81	1.94	1.94	1.94
		Agriculture	34.00	204.19	91887.30	175.61	2.04	2.04	2.04
	Park	5.00	30.53	12731.01	85.79	0.31	0.31	1.83	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	18.00	108.85	22313.84	20.90	13.93	6.10	8.71	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	10.00	61.06	26255.80	8.55	73.27	15.27	222.87	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	6.10	1756.80	6.83	3.42	0.92	3.42	
	Open Water	1.00	6.11	1129.61	0.79	0.24	0.24	0.24	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	610.60	156655.65	304.28	95.15	26.80	241.05
	Poplar Creek 6A011 Area 405.2	Wetland, Forest, Preservation	13.00	52.62	157.85	1.58	0.53	0.53	0.53
		Agriculture	60.00	240.22	108099.00	206.59	2.40	2.40	2.40
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		3.00	12.05	5071.37	21.68	2.22	0.96	13.13	
Low Density Residential		15.00	59.94	12287.70	11.51	7.67	3.36	4.80	
Medium Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Industrial		1.00	4.05	1742.36	0.57	4.86	1.01	14.79	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	3.95	1137.60	4.42	2.21	0.59	2.21	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		8.00	32.38	108265.34	2.88	0.32	0.32	0.32	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	405.20	236761.22	249.23	20.22	9.18	38.18
Poplar Creek 6A020 Area 313.1		Wetland, Forest, Preservation	36.00	112.57	337.70	3.38	1.13	1.13	1.13
		Agriculture	28.00	86.02	38708.10	73.98	0.86	0.86	0.86
	Park	3.00	9.39	3916.88	26.39	0.09	0.09	0.56	
	Institutional	5.00	15.66	6590.76	28.18	2.88	1.25	17.06	
	Low Density Residential	7.00	21.70	4447.89	4.17	2.78	1.22	1.74	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	10.00	31.22	17920.28	16.23	11.24	5.00	6.99	
	Commercial	5.00	15.49	16352.16	16.57	41.81	6.19	32.52	
	Industrial	5.00	15.56	6688.65	2.18	18.67	3.89	56.78	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	2.38	685.44	2.67	1.33	0.36	1.33	
	Open Water	1.00	3.13	579.24	0.41	0.13	0.13	0.13	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	313.10	96227.08	174.15	80.91	20.11	119.09

Table
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Existing Conditions

Drainage Areas	Land Uses	Total Loadings							
		Area	Area	Sediment	Phosphorous	Lead	Copper	Zinc	
		(%total)	(acres)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	
Poplar Creek 6A021 Area 136.6	Wetland, Forest, Preservation	52.00	70.96	212.89	2.13	0.71	0.71	0.71	
	Agriculture	40.00	53.48	24066.00	45.99	0.53	0.53	0.53	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	4.00	5.46	1120.12	1.05	0.70	0.31	0.44	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	2.00	2.69	2842.75	2.88	7.27	1.08	5.65	
	Industrial	2.00	2.63	1131.76	0.37	3.16	0.66	9.61	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	1.37	394.56	1.53	0.77	0.21	0.77	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	136.60	29768.08	53.95	13.14	3.49	17.71
	Poplar Creek 6A022 Area 71.2	Wetland, Forest, Preservation	5.00	3.56	10.68	0.11	0.04	0.04	0.04
Agriculture		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		28.00	19.89	8372.01	35.79	3.66	1.59	21.68	
Low Density Residential		65.00	46.08	9446.40	8.85	5.90	2.58	3.69	
Medium Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	0.25	72.00	0.28	0.14	0.04	0.14	
Open Water		2.00	1.42	263.44	0.19	0.06	0.06	0.06	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	71.20	18164.53	45.21	9.79	4.30	25.59
Poplar Creek 6A023 Area 333.1		Wetland, Forest, Preservation	20.00	66.62	199.86	2.00	0.67	0.67	0.67
	Agriculture	45.00	149.27	67169.25	128.37	1.49	1.49	1.49	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	5.00	16.66	7011.76	29.98	3.06	1.33	18.15	
	Low Density Residential	30.00	98.61	20215.05	18.93	12.62	5.52	7.89	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	1.95	561.60	2.18	1.09	0.29	1.09	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	333.10	95157.52	181.46	18.94	9.31	29.29
	Poplar Creek 6A030 Area 108.2	Wetland, Forest, Preservation	25.00	27.05	81.15	0.81	0.27	0.27	0.27
Agriculture		50.00	52.91	23809.50	45.50	0.53	0.53	0.53	
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		15.00	16.06	6761.26	28.91	2.96	1.28	17.51	
Low Density Residential		8.00	8.59	1760.13	1.65	1.10	0.48	0.69	
Medium Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Industrial		2.00	2.14	921.92	0.30	2.57	0.54	7.83	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	1.45	417.60	1.62	0.81	0.22	0.81	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	108.20	33751.56	78.79	8.24	3.32	27.63
Poplar Creek 6A040 Area 159.9		Wetland, Forest, Preservation	30.00	47.97	143.91	1.44	0.48	0.48	0.48
	Agriculture	45.00	71.69	32258.25	61.65	0.72	0.72	0.72	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	5.00	8.00	3365.90	14.39	1.47	0.64	8.71	
	Low Density Residential	20.00	31.95	6549.75	6.13	4.09	1.79	2.56	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	0.30	86.40	0.34	0.17	0.05	0.17	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	159.90	42404.21	83.95	6.93	3.67	12.64

Table
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Existing Conditions

Drainage Areas	Land Uses	Total Loadings							
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)	
Poplar Creek 6A041 Area 372.9	Wetland, Forest, Preservation	15.00	55.43	166.28	1.66	0.55	0.55	0.55	
	Agriculture	28.00	103.09	46391.40	88.66	1.03	1.03	1.03	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	7.00	25.86	10888.32	46.55	4.76	2.07	28.19	
	Low Density Residential	10.00	35.05	7185.25	6.73	4.49	1.96	2.80	
	Medium Density Residential	27.00	100.68	41280.03	37.86	25.77	11.28	16.11	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	5.00	17.91	18907.68	19.16	48.34	7.16	37.60	
	Industrial	7.00	26.10	11224.29	3.65	31.32	6.53	95.28	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	5.05	1454.40	5.66	2.83	0.76	2.83	
	Open Water	1.00	3.73	689.87	0.48	0.15	0.15	0.15	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	372.90	138187.51	210.42	119.25	31.49	184.54
	Poplar Creek 6A042 Area 78.3	Wetland, Forest, Preservation	33.00	25.84	77.52	0.78	0.26	0.26	0.26
Agriculture		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Low Density Residential		47.00	36.80	7544.21	7.07	4.71	2.06	2.94	
Medium Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		5.00	3.92	4134.24	4.19	10.57	1.57	8.22	
Industrial		15.00	11.75	5050.35	1.64	14.09	2.94	42.87	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	78.30	16806.31	13.67	29.63	6.82	54.29
Poplar Creek 6A043 Area 44.1		Wetland, Forest, Preservation	20.00	8.82	26.46	0.26	0.09	0.09	0.09
	Agriculture	0.00	-0.02	-9.00	-0.02	0.00	0.00	0.00	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	5.00	2.19	447.93	0.42	0.28	0.12	0.17	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	15.00	6.36	6710.88	6.80	17.16	2.54	13.35	
	Industrial	60.00	26.46	11377.80	3.70	31.75	6.62	96.58	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	0.30	86.40	0.34	0.17	0.05	0.17	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	44.10	18640.47	11.51	49.45	9.41	110.36
	Poplar Creek 6A044 Area 79.7	Wetland, Forest, Preservation	20.00	15.94	47.82	0.48	0.16	0.16	0.16
Agriculture		0.00	-0.15	-67.50	-0.13	0.00	0.00	0.00	
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Low Density Residential		10.00	7.66	1570.30	1.47	0.98	0.43	0.61	
Medium Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		10.00	7.92	8363.52	8.47	21.38	3.17	16.63	
Industrial		60.00	47.72	20519.60	6.68	57.26	11.93	174.18	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	0.61	175.68	0.68	0.34	0.09	0.34	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	79.70	30609.42	17.66	80.13	15.78	191.92
Poplar Creek 6A050 Area 92.5		Wetland, Forest, Preservation	5.00	4.63	13.88	0.14	0.05	0.05	0.05
	Agriculture	80.00	72.38	32571.00	62.25	0.72	0.72	0.72	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	15.00	13.75	2817.73	2.64	1.76	0.77	1.10	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	1.75	504.00	1.96	0.98	0.26	0.98	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	92.50	35906.60	66.98	3.51	1.80	2.85

Table
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Existing Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area	Area	Sediment	Phosphorous	Lead	Copper	Zinc
		(%total)	(acres)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)
Poplar Creek 6A060 Area 567.9	Wetland, Forest, Preservation	24.00	135.17	405.50	4.05	1.35	1.35	1.35
	Agriculture	48.00	270.78	121851.90	232.87	2.71	2.71	2.71
	Park	7.00	39.68	16547.81	111.51	0.40	0.40	2.38
	Institutional	5.00	27.78	11693.28	50.00	5.11	2.22	30.27
	Low Density Residential	15.00	84.42	17305.08	16.21	10.81	4.73	6.75
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	1.00	5.66	5975.90	6.06	15.28	2.26	11.88
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	4.42	1272.96	4.95	2.48	0.66	2.48
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	567.90	175052.42	425.64	38.13	14.33
Poplar Creek 6A070 Area 116.8	Wetland, Forest, Preservation	6.00	7.01	21.02	0.21	0.07	0.07	0.07
	Agriculture	80.00	93.44	42048.00	80.36	0.93	0.93	0.93
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	11.00	12.78	2619.49	2.45	1.64	0.72	1.02
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	3.00	3.50	1506.72	0.49	4.20	0.88	12.79
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.07	20.16	0.08	0.04	0.01	0.04
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	116.80	46215.39	83.59	6.88	2.61
Poplar Creek 6A071 Area 680.8	Wetland, Forest, Preservation	22.00	149.77	449.30	4.49	1.50	1.50	1.50
	Agriculture	55.00	373.30	167985.00	321.04	3.73	3.73	3.73
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	15.00	102.07	20924.35	19.60	13.06	5.72	8.17
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.20	345.60	1.34	0.67	0.18	0.67
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	8.00	54.46	182127.62	4.85	0.54	0.54	0.54
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	680.80	371831.86	351.32	19.51	11.67
Poplar Creek 6A072 Area 786.6	Wetland, Forest, Preservation	35.00	274.57	823.71	8.24	2.75	2.75	2.75
	Agriculture	40.00	310.79	139855.50	267.28	3.11	3.11	3.11
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	3.00	22.97	9669.53	41.34	4.23	1.84	25.04
	Low Density Residential	20.00	155.66	31910.30	29.89	19.92	8.72	12.45
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	2.00	15.39	16253.95	16.47	41.56	6.16	32.32
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	7.22	2079.36	8.09	4.04	1.08	4.04
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	786.60	200592.35	371.30	75.61	23.65
Poplar Creek 6B010 Area 279.9	Wetland, Forest, Preservation	70.00	195.75	587.25	5.87	1.96	1.96	1.96
	Agriculture	10.00	26.68	12006.00	22.94	0.27	0.27	0.27
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	2.00	5.54	2331.50	9.97	1.02	0.44	6.04
	Low Density Residential	10.00	27.60	5658.00	5.30	3.53	1.55	2.21
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	1.00	2.80	2955.74	2.99	7.56	1.12	5.88
	Industrial	2.00	5.45	2342.64	0.76	6.54	1.36	19.89
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	2.09	601.92	2.34	1.17	0.31	1.17
	Open Water	5.00	14.00	2589.08	1.82	0.56	0.56	0.56
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	279.90	29072.13	52.00	22.60	7.57

Table
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Existing Conditions

Drainage Areas	Land Uses	Total Loadings							
		Area	Area	Sediment	Phosphorous	Lead	Copper	Zinc	
		(%total)	(acres)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	
Poplar Creek 6B020 Area 349.7	Wetland, Forest, Preservation	36.00	125.89	377.68	3.78	1.26	1.26	1.26	
	Agriculture	5.00	17.43	7841.25	14.99	0.17	0.17	0.17	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	52.00	180.90	37085.32	34.73	23.16	10.13	14.47	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	5.00	17.49	18464.16	18.71	47.21	6.99	36.72	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	1.00	288.00	1.12	0.56	0.15	0.56	
	Open Water	2.00	6.99	1293.89	0.91	0.28	0.28	0.28	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	349.70	65350.30	74.23	72.64	18.99	53.46
	Poplar Creek 6B030 Area 325.9	Wetland, Forest, Preservation	13.00	42.37	127.10	1.27	0.42	0.42	0.42
		Agriculture	30.00	96.74	43533.00	83.20	0.97	0.97	0.97
Park		10.00	32.42	13519.14	91.10	0.32	0.32	1.95	
Institutional		1.00	3.26	1372.04	5.87	0.60	0.26	3.55	
Low Density Residential		30.00	96.21	19723.05	18.47	12.31	5.39	7.70	
Medium Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		2.00	6.45	6809.09	6.90	17.41	2.58	13.54	
Industrial		1.00	3.26	1401.37	0.46	3.91	0.81	11.90	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	3.20	921.60	3.58	1.79	0.48	1.79	
Open Water		3.00	9.78	1808.75	1.27	0.39	0.39	0.39	
Extractive, Landfill		10.00	32.22	107743.68	2.87	0.32	0.32	0.32	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	325.90	196958.81	214.98	38.46	11.95	42.53
Poplar Creek 6B040 Area 210.2		Wetland, Forest, Preservation	45.00	94.58	283.74	2.84	0.95	0.95	0.95
		Agriculture	43.00	89.78	40399.20	77.21	0.90	0.90	0.90
	Park	5.00	10.51	4382.67	29.53	0.11	0.11	0.63	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	7.00	14.64	3002.02	2.81	1.87	0.82	1.17	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	0.69	198.72	0.77	0.39	0.10	0.39	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	210.20	48266.35	113.16	4.21	2.87	4.03
	Poplar Creek 6B050 Area 119.6	Wetland, Forest, Preservation	70.00	83.18	249.54	2.50	0.83	0.83	0.83
		Agriculture	20.00	23.07	10381.50	19.84	0.23	0.23	0.23
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Low Density Residential		10.00	11.72	2402.60	2.25	1.50	0.66	0.94	
Medium Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	1.63	469.44	1.83	0.91	0.24	0.91	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	119.60	13503.08	26.41	3.48	1.96	2.91
Poplar Creek 6C010 Area 753.5		Wetland, Forest, Preservation	32.00	240.32	720.96	7.21	2.40	2.40	2.40
		Agriculture	28.00	209.13	94108.50	179.85	2.09	2.09	2.09
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	20.00	149.53	30653.65	28.71	19.14	8.37	11.96	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	2.00	15.00	15840.00	16.05	40.50	6.00	31.50	
	Industrial	8.00	59.43	25554.90	8.32	71.32	14.86	216.92	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	4.74	1365.12	5.31	2.65	0.71	2.65	
	Open Water	5.00	37.68	6969.88	4.90	1.51	1.51	1.51	
	Extractive, Landfill	5.00	37.68	125985.20	3.35	0.38	0.38	0.38	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	753.50	301198.21	253.70	139.99	36.32	269.41

Table
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Existing Conditions

Drainage Areas	Land Uses	Total Loadings							
		Area	Area	Sediment	Phosphorous	Lead	Copper	Zinc	
		(%total)	(acres)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	
Poplar Creek 6C020 Area 317.4	Wetland, Forest, Preservation	18.85	59.83	179.49	1.79	0.60	0.60	0.60	
	Agriculture	40.05	126.35	56856.92	108.66	1.26	1.26	1.26	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	16.10	51.04	10463.49	9.80	6.53	2.86	4.08	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	3.00	9.52	5465.63	4.95	3.43	1.52	2.13	
	Commercial	3.00	9.43	9960.19	10.09	25.47	3.77	19.81	
	Industrial	4.00	12.70	5459.28	1.78	15.24	3.17	46.34	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	0.92	264.96	1.03	0.52	0.14	0.52	
	Open Water	2.00	6.35	1174.38	0.83	0.25	0.25	0.25	
	Extractive, Landfill	10.00	31.74	106138.56	2.82	0.32	0.32	0.32	
	Railroad	3.00	9.52	5141.88	4.19	4.00	0.00	19.04	
	Subtotal		100.00	317.40	201104.77	145.95	57.61	13.90	94.36
	Poplar Creek 6C021 Area 145.7	Wetland, Forest, Preservation	15.00	21.86	65.57	0.66	0.22	0.22	0.22
Agriculture		37.00	53.91	24259.05	46.36	0.54	0.54	0.54	
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		2.00	2.91	1226.79	5.25	0.54	0.23	3.18	
Low Density Residential		45.00	65.57	13440.83	12.59	8.39	3.67	5.25	
Medium Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		1.00	0.76	799.39	0.81	2.04	0.30	1.59	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	0.70	201.60	0.78	0.39	0.11	0.39	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	145.70	39993.23	66.45	12.12	5.07	11.16
Poplar Creek 6C022 Area 292.3		Wetland, Forest, Preservation	21.00	60.43	181.30	1.81	0.60	0.60	0.60
	Agriculture	28.00	81.08	36487.80	69.73	0.81	0.81	0.81	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	7.00	20.46	8614.08	36.83	3.76	1.64	22.30	
	Low Density Residential	5.00	12.72	2606.58	2.44	1.63	0.71	1.02	
	Medium Density Residential	30.00	87.69	35952.90	32.97	22.45	9.82	14.03	
	High Density Residential	3.00	8.77	5033.41	4.56	3.16	1.40	1.96	
	Commercial	5.00	14.43	15232.80	15.43	38.95	5.77	30.29	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	3.80	1094.40	4.26	2.13	0.57	2.13	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	1.00	2.92	1578.42	1.29	1.23	0.00	5.85	
	Subtotal		100.00	292.30	106781.68	169.32	74.72	21.33	79.00
	Poplar Creek 6D010 Area 159.4	Wetland, Forest, Preservation	50.00	79.41	238.23	2.38	0.79	0.79	0.79
Agriculture		5.00	7.76	3492.00	6.67	0.08	0.08	0.08	
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Low Density Residential		35.00	55.65	11408.25	10.68	7.12	3.12	4.45	
Medium Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		2.00	3.19	3366.53	3.41	8.61	1.28	6.69	
Industrial		8.00	12.68	5453.26	1.78	15.22	3.17	46.29	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	0.71	204.48	0.80	0.40	0.11	0.40	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	159.40	24162.75	25.72	32.22	8.54	58.71
Poplar Creek 6D020 Area 91.1		Wetland, Forest, Preservation	55.00	49.18	147.53	1.48	0.49	0.49	0.49
	Agriculture	0.00	-0.17	-76.50	-0.15	0.00	0.00	0.00	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	2.00	1.82	767.06	3.28	0.34	0.15	1.99	
	Low Density Residential	40.00	36.00	7380.00	6.91	4.61	2.02	2.88	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	3.00	2.52	2664.29	2.70	6.81	1.01	5.30	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	1.75	504.00	1.96	0.98	0.26	0.98	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	91.10	11386.38	16.18	13.23	3.92	11.63

Table
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Existing Conditions

Drainage Areas	Land Uses	Total Loadings							
		Area	Area	Sediment	Phosphorous	Lead	Copper	Zinc	
		(%total)	(acres)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	(lb./yr.)	
Poplar Creek 6E010 Area 34.2	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Agriculture	2.00	0.68	307.80	0.59	0.01	0.01	0.01	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	1.00	0.34	147.06	0.05	0.41	0.09	1.25	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Open Water	95.00	32.49	6010.65	4.22	1.30	1.30	1.30	
	Extractive, Landfill	2.00	0.68	2287.30	0.06	0.01	0.01	0.01	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	34.20	8752.81	4.92	1.72	1.40	2.56
	Poplar Creek 6F010 Area 38.4	Wetland, Forest, Preservation	5.00	1.92	5.76	0.06	0.02	0.02	0.02
		Agriculture	73.00	28.03	12614.40	24.11	0.28	0.28	0.28
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Low Density Residential		2.00	0.77	157.44	0.15	0.10	0.04	0.06	
Medium Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Open Water		20.00	7.68	1420.80	1.00	0.31	0.31	0.31	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	38.40	14198.40	25.31	0.71	0.65	0.67
Mill Creek 7A010 Area 11.4		Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	70.00	7.98	3327.66	22.42	0.08	0.08	0.48	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	30.00	3.25	666.25	0.62	0.42	0.18	0.26	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	0.17	48.96	0.19	0.10	0.03	0.10	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	11.40	4042.87	23.24	0.59	0.29	0.83
	Mill Creek 7B010 Area 247.7	Wetland, Forest, Preservation	40.00	99.08	297.24	2.97	0.99	0.99	0.99
		Agriculture	45.00	111.47	50159.25	95.86	1.11	1.11	1.11
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Low Density Residential		15.00	37.16	7616.78	7.13	4.76	2.08	2.97	
Medium Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	247.70	58073.27	105.97	6.86	4.19	5.08
Mill Creek 7B020 Area 153.7		Wetland, Forest, Preservation	15.00	23.06	69.17	0.69	0.23	0.23	0.23
		Agriculture	48.00	73.05	32870.70	62.82	0.73	0.73	0.73
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	30.00	46.10	9450.50	8.85	5.90	2.58	3.69	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	0.74	213.12	0.83	0.41	0.11	0.41	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	7.00	10.76	35978.10	0.96	0.11	0.11	0.11	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	153.70	78581.58	74.15	7.38	3.76	5.17

Table
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Existing Conditions

Drainage Areas	Land Uses	Total Loadings							
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)	
Mill Creek 7B030 Area 1117.3	Wetland, Forest, Preservation	30.00	335.19	1005.57	10.06	3.35	3.35	3.35	
	Agriculture	60.00	663.86	298737.00	570.92	6.64	6.64	6.64	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	1.00	11.17	4703.83	20.11	2.06	0.89	12.18	
	Low Density Residential	5.00	54.73	11218.63	10.51	7.00	3.06	4.38	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	1.00	11.10	11724.77	11.88	29.98	4.44	23.32	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	8.47	2439.36	9.49	4.74	1.27	4.74	
	Open Water	2.00	22.35	4134.01	2.90	0.89	0.89	0.89	
	Extractive, Landfill	1.00	10.43	34887.95	0.93	0.10	0.10	0.10	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	1117.30	368851.12	636.79	54.77	20.66	55.60
	Mill Creek 7B040 Area 205.9	Wetland, Forest, Preservation	24.00	49.42	148.25	1.48	0.49	0.49	0.49
		Agriculture	10.00	20.41	9184.50	17.55	0.20	0.20	0.20
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Low Density Residential		65.00	133.58	27382.88	25.65	17.10	7.48	10.69	
Medium Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	0.44	126.72	0.49	0.25	0.07	0.25	
Open Water		1.00	2.06	380.92	0.27	0.08	0.08	0.08	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	205.90	37223.26	45.44	18.12	8.33	11.71
Mill Creek 7C010 Area 281.8		Wetland, Forest, Preservation	2.00	5.64	16.91	0.17	0.06	0.06	0.06
		Agriculture	60.00	167.89	75550.50	144.39	1.68	1.68	1.68
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	28.00	78.02	15994.92	14.98	9.99	4.37	6.24	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	9.00	25.36	25438.09	55.80	145.32	15.72	65.94	
	Arterial	0.00	2.07	596.16	2.32	1.16	0.31	1.16	
	Open Water	1.00	2.82	521.33	0.37	0.11	0.11	0.11	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	281.80	118117.90	218.02	158.32	22.25	75.19
	Mill Creek 7D010 Area 372.9	Wetland, Forest, Preservation	12.00	44.75	134.24	1.34	0.45	0.45	0.45
		Agriculture	43.00	157.82	71017.65	135.72	1.58	1.58	1.58
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Low Density Residential		10.00	36.55	7492.75	7.02	4.68	2.05	2.92	
Medium Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	3.34	961.92	3.74	1.87	0.50	1.87	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		35.00	130.45	436208.08	11.61	1.30	1.30	1.30	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	372.90	515814.64	159.43	9.88	5.88	8.12
PROJECT TOTALS FOR ALL SUBCATCHMENTS									
		Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)		
		23,643.87	9,508,127.72	12,668.40	6,330.20	1,446.92	7,168.66		

Appendix __
City of New Berlin - Stormwater Management Study
Unit Area Pollutant Loading Rates

Land Use Types	Unit Area Loading Rates				
	Sediment (lb./ac./yr.)	Phosphorous (lb./ac./yr.)	Lead (lb./ac./yr.)	Copper (lb./ac./yr.)	Zinc (lb./ac./yr.)
Wetland, Forest, Preservation ^a	3	0.03	0.010	0.010	0.010
Agriculture ^a	450	0.86	0.010	0.010	0.010
Park ^b	417	2.81	0.010	0.010	0.060
Institutional	421	1.80	0.184	0.080	1.090
Low Density Residential	205	0.19	0.128	0.056	0.080
Medium Density Residential	410	0.38	0.256	0.112	0.160
High Density Residential	574	0.52	0.360	0.160	0.224
Commercial ^c	1056	1.07	2.700	0.400	2.100
Industrial ^d	430	0.14	1.200	0.250	3.650
Highway ^e	1003	2.20	5.730	0.620	2.600
Arterial ^e	288	1.12	0.560	0.150	0.560
Open Water ^a	185	0.13	0.040	0.040	0.040
Extractive, Landfill	3344	0.09	0.010	0.010	0.010
Railroad	540	0.44	0.420	0.000	2.000

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)
Calhoun Creek 4A010 Area 125.3	Wetland, Forest, Preservation	17.00	21.13	63.39	0.63	0.21	0.21	0.21
	Agriculture	50.00	61.37	27616.50	52.78	0.61	0.61	0.61
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	5.00	6.27	2637.57	11.28	1.15	0.50	6.83
	Low Density Residential	20.00	24.46	5014.30	4.70	3.13	1.37	1.96
	Medium Density Residential	8.00	9.51	3900.74	3.58	2.44	1.07	1.52
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	2.56	737.28	2.87	1.43	0.38	1.43
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal	100.00	125.30	39969.78	75.83	8.98	4.15	12.57
Calhoun Creek 4A020 Area 180.3	Wetland, Forest, Preservation	20.00	35.88	107.64	1.08	0.36	0.36	0.36
	Agriculture	45.00	79.92	35961.75	68.73	0.80	0.80	0.80
	Park	10.00	17.93	7476.81	50.38	0.18	0.18	1.08
	Institutional	5.00	8.81	3706.91	15.85	1.62	0.70	9.60
	Low Density Residential	15.00	25.60	5246.98	4.91	3.28	1.43	2.05
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	5.00	8.95	9445.92	9.57	24.15	3.58	18.78
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	3.23	930.24	3.62	1.81	0.48	1.81
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal	100.00	180.30	62876.24	154.14	32.19	7.54	34.47
Calhoun Creek 4A030 Area 88.2	Wetland, Forest, Preservation	5.00	4.39	13.17	0.13	0.04	0.04	0.04
	Agriculture	20.00	17.33	7798.50	14.90	0.17	0.17	0.17
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	75.00	65.36	13398.80	12.55	8.37	3.66	5.23
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.12	322.56	1.25	0.63	0.17	0.63
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal	100.00	88.20	21533.03	28.84	9.21	4.05	6.07

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)
Calhoun Creek 4B010 Area 250.5	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	10.00	25.05	11272.50	21.54	0.25	0.25	0.25
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	5.00	12.26	5159.36	22.06	2.25	0.98	13.36
	Low Density Residential	60.00	148.68	30479.40	28.55	19.03	8.33	11.89
	Medium Density Residential	2.00	5.01	2054.10	1.88	1.28	0.56	0.80
	High Density Residential	2.00	4.88	2801.12	2.54	1.76	0.78	1.09
	Commercial	20.00	49.43	52198.08	52.89	133.46	19.77	103.80
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	2.69	774.72	3.01	1.51	0.40	1.51
	Open Water	1.00	2.51	463.43	0.33	0.10	0.10	0.10
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	250.50	105202.70	132.80	159.64	31.17
Calhoun Creek 4B020 Area 224.9	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	16.00	35.98	16192.80	30.95	0.36	0.36	0.36
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	10.00	22.49	9468.29	40.48	4.14	1.80	24.51
	Low Density Residential	70.00	156.60	32103.00	30.07	20.04	8.77	12.53
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	2.00	4.50	4749.89	4.81	12.14	1.80	9.45
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	2.00	4.50	4511.49	9.90	25.77	2.79	11.69
	Arterial	0.00	0.83	239.04	0.93	0.46	0.12	0.46
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	224.90	67264.51	117.13	62.93	15.64
Calhoun Creek 4C010 Area 756.5	Wetland, Forest, Preservation	11.00	83.08	249.23	2.49	0.83	0.83	0.83
	Agriculture	20.00	151.30	68085.00	130.12	1.51	1.51	1.51
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	3.00	22.70	9554.60	40.85	4.18	1.82	24.74
	Low Density Residential	20.00	149.86	30721.30	28.77	19.18	8.39	11.99
	Medium Density Residential	28.00	211.08	86542.80	79.37	54.04	23.64	33.77
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	10.00	74.48	78650.88	79.69	201.10	29.79	156.41
	Industrial	3.00	22.48	9664.25	3.03	26.97	5.62	82.03
	Highway	5.00	37.83	37938.48	83.22	216.74	23.45	98.35
	Arterial	0.00	3.71	1068.48	4.16	2.08	0.56	2.08
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	756.50	322475.01	451.70	526.62	95.61
Calhoun Creek 4C020 Area 74	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	38.00	26.55	28036.80	28.41	71.69	10.62	55.76
	Industrial	52.00	38.13	16395.90	5.15	45.76	9.53	139.17
	Highway	10.00	7.40	7422.20	16.28	42.40	4.59	19.24
	Arterial	0.00	1.92	552.96	2.15	1.08	0.29	1.08
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	74.00	52407.86	51.99	160.92	25.03

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings							
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)	
Calhoun Creek 4C030 Area 345.9	Wetland, Forest, Preservation	20.00	68.51	205.53	2.06	0.69	0.69	0.69	
	Agriculture	5.00	16.90	7602.75	14.53	0.17	0.17	0.17	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	17.00	56.56	11595.42	10.86	7.24	3.17	4.53	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	5.00	16.92	17862.24	18.10	45.67	6.77	35.52	
	Industrial	38.00	129.24	55574.06	17.45	155.09	32.31	471.73	
	Highway	15.00	51.89	52040.66	114.15	297.30	32.17	134.90	
	Arterial	0.00	5.89	1696.32	6.60	3.30	0.88	3.30	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	345.90	146576.97	183.74	509.45	76.15	650.83
	Calhoun Creek 4C040 Area 224.1	Wetland, Forest, Preservation	15.00	33.62	100.85	1.01	0.34	0.34	0.34
		Agriculture	10.00	21.74	9783.00	18.70	0.22	0.22	0.22
Park		10.00	22.05	9194.85	61.96	0.22	0.22	1.32	
Institutional		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Low Density Residential		3.00	6.55	1343.37	1.26	0.84	0.37	0.52	
Medium Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		2.00	4.31	4553.47	4.61	11.64	1.72	9.06	
Industrial		53.00	118.24	50844.49	15.96	141.89	29.56	431.59	
Highway		5.00	11.21	11238.62	24.65	64.20	6.95	29.13	
Arterial		0.00	1.90	547.20	2.13	1.06	0.29	1.06	
Open Water		2.00	4.48	829.17	0.58	0.18	0.18	0.18	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	224.10	88435.01	130.86	220.59	39.84	473.42
Calhoun Creek 4C050 Area 84		Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Agriculture	30.00	24.70	11115.00	21.24	0.25	0.25	0.25
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	70.00	58.80	12054.00	11.29	7.53	3.29	4.70	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	0.50	144.00	0.56	0.28	0.08	0.28	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	84.00	23313.00	33.09	8.05	3.61	5.23
	Calhoun Creek 4C060 Area 148	Wetland, Forest, Preservation	15.00	22.20	66.60	0.67	0.22	0.22	0.22
		Agriculture	30.00	43.66	19647.00	37.55	0.44	0.44	0.44
Park		3.00	4.44	1851.48	12.48	0.04	0.04	0.27	
Institutional		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Low Density Residential		33.00	48.76	9995.80	9.36	6.24	2.73	3.90	
Medium Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		14.00	20.72	20782.16	45.58	118.73	12.85	53.87	
Arterial		0.00	0.82	236.16	0.92	0.46	0.12	0.46	
Open Water		5.00	7.40	1369.00	0.96	0.30	0.30	0.30	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	148.00	53948.20	107.52	126.43	16.70	59.45

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)
Calhoun Creek 4C070 Area 408.9	Wetland, Forest, Preservation	20.00	81.78	245.34	2.45	0.82	0.82	0.82
	Agriculture	35.00	142.54	64140.75	122.58	1.43	1.43	1.43
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	2.00	8.06	3392.42	14.50	1.48	0.64	8.78
	Low Density Residential	28.00	111.71	22900.96	21.45	14.30	6.26	8.94
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	10.00	40.89	41012.67	89.96	234.30	25.35	106.31
	Arterial	0.00	3.48	1002.24	3.90	1.95	0.52	1.95
	Open Water	5.00	20.45	3782.33	2.66	0.82	0.82	0.82
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<i>Subtotal</i>		100.00	408.90	136476.70	257.50	255.09	35.84
Calhoun Creek 4C080 Area 74	Wetland, Forest, Preservation	32.00	23.68	71.04	0.71	0.24	0.24	0.24
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	26.00	19.24	3944.20	3.69	2.46	1.08	1.54
	Medium Density Residential	12.00	8.88	3640.80	3.34	2.27	0.99	1.42
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	25.00	18.31	18364.93	40.28	104.92	11.35	47.61
	Arterial	0.00	0.19	54.72	0.21	0.11	0.03	0.11
	Open Water	5.00	3.70	684.50	0.48	0.15	0.15	0.15
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<i>Subtotal</i>		100.00	74.00	26760.19	48.72	110.14	13.84
Calhoun Creek 4C085 Area 47	Wetland, Forest, Preservation	5.00	2.35	7.05	0.07	0.02	0.02	0.02
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	5.00	2.31	972.51	4.16	0.43	0.18	2.52
	Low Density Residential	85.00	39.11	8017.55	7.51	5.01	2.19	3.13
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	5.00	2.35	2357.05	5.17	13.47	1.46	6.11
	Arterial	0.00	0.88	253.44	0.99	0.49	0.13	0.49
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<i>Subtotal</i>		100.00	47.00	11607.60	17.89	19.41	3.99
Calhoun Creek 4C090 Area 28.9	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	15.00	4.31	882.53	0.83	0.55	0.24	0.34
	Medium Density Residential	55.00	15.63	6406.25	5.88	4.00	1.75	2.50
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.30	86.40	0.34	0.17	0.05	0.17
	Open Water	30.00	8.67	1603.95	1.13	0.35	0.35	0.35
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<i>Subtotal</i>		100.00	28.90	8979.13	8.16	5.07	2.38

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)
Calhoun Creek 4C091 Area 65	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	8.00	5.02	2259.00	4.32	0.05	0.05	0.05
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	22.00	13.86	5835.06	24.95	2.55	1.11	15.11
	Low Density Residential	60.00	37.76	7740.80	7.25	4.83	2.11	3.02
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	10.00	6.41	6768.96	6.86	17.31	2.56	13.46
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.95	561.60	2.18	1.09	0.29	1.09
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	65.00	23165.42	45.56	25.83	6.13
Calhoun Creek 4D010 Area 133.8	Wetland, Forest, Preservation	20.00	26.76	80.28	0.80	0.27	0.27	0.27
	Agriculture	25.00	33.45	15052.50	28.77	0.33	0.33	0.33
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	40.00	53.35	10936.75	10.24	6.83	2.99	4.27
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	10.00	13.29	14034.24	14.22	35.88	5.32	27.91
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	5.00	6.69	6710.07	14.72	38.33	4.15	17.39
	Arterial	0.00	0.26	74.88	0.29	0.15	0.04	0.15
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	133.80	46888.72	69.04	81.79	13.09
Calhoun Creek 4E010 Area 317.4	Wetland, Forest, Preservation	18.00	57.13	171.40	1.71	0.57	0.57	0.57
	Agriculture	25.00	78.60	35370.00	67.60	0.79	0.79	0.79
	Park	2.00	6.35	2647.12	17.84	0.06	0.06	0.38
	Institutional	3.00	9.39	3954.03	16.91	1.73	0.75	10.24
	Low Density Residential	11.00	33.47	6862.17	6.43	4.28	1.87	2.68
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	2.00	6.28	6629.57	6.72	16.95	2.51	13.18
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	7.00	22.22	22284.65	48.88	127.31	13.78	57.77
	Arterial	0.00	2.39	688.32	2.68	1.34	0.36	1.34
	Open Water	2.00	6.35	1174.38	0.83	0.25	0.25	0.25
	Extractive, Landfill	30.00	95.22	318415.68	8.57	0.95	0.95	0.95
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	317.40	398197.32	178.15	154.24	21.90
Calhoun Creek 4E020 Area 21.3	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	83.00	17.49	17541.47	38.48	100.21	10.84	45.47
	Arterial	0.00	0.19	54.72	0.21	0.11	0.03	0.11
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	17.00	3.62	12108.62	0.33	0.04	0.04	0.04
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	21.30	29704.81	39.01	100.35	10.91

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)
Calhoun Creek 4E030 Area 600.6	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<i>Subtotal</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calhoun Creek 4E040 Area 42.7	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<i>Subtotal</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calhoun Creek 4E050 Area 29.9	Wetland, Forest, Preservation	20.00	5.98	17.94	0.18	0.06	0.06	0.06
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	39.00	11.64	2386.41	2.24	1.49	0.65	0.93
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	40.00	11.37	12006.72	12.17	30.70	4.55	23.88
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	1.00	0.30	299.90	0.66	1.71	0.19	0.78
	Arterial	0.00	0.61	175.68	0.68	0.34	0.09	0.34
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<i>Subtotal</i>	100.00	29.90	14886.64	15.92	34.30	5.54	25.99
Calhoun Creek 4E060 Area 256.2	Forest, Preservation	5.00	12.68	38.04	0.38	0.13	0.13	0.13
	Agriculture	18.00	46.12	20752.20	39.66	0.46	0.46	0.46
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	25.00	62.88	12890.40	12.07	8.05	3.52	5.03
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.30	374.40	1.46	0.73	0.20	0.73
	Open Water	2.00	5.12	947.94	0.67	0.20	0.20	0.20
	Extractive, Landfill	50.00	128.10	428366.40	11.53	1.28	1.28	1.28
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<i>Subtotal</i>	100.00	256.20	463369.38	65.76	10.85	5.79	7.83

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings							
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)	
Calhoun Creek 4F010 Area 251.2	Wetland, Forest, Preservation	8.00	19.41	58.22	0.58	0.19	0.19	0.19	
	Agriculture	31.00	77.87	35042.40	66.97	0.78	0.78	0.78	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	13.00	31.30	6415.68	6.01	4.01	1.75	2.50	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	10.00	25.12	25195.36	55.26	143.94	15.57	65.31	
	Arterial	0.00	2.20	633.60	2.46	1.23	0.33	1.23	
	Open Water	11.00	27.63	5111.92	3.59	1.11	1.11	1.11	
	Extractive, Landfill	27.00	67.67	226301.86	6.09	0.68	0.68	0.68	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	251.20	298759.03	140.97	151.93	20.41	71.80
	Upper Root River 2A010 Area 101.1	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Park		70.00	70.47	29385.99	198.02	0.70	0.70	4.23	
Institutional		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Low Density Residential		29.50	29.37	6021.77	5.64	3.76	1.64	2.35	
Medium Density Residential		0.50	0.51	207.26	0.19	0.13	0.06	0.08	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	0.75	216.00	0.84	0.42	0.11	0.42	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	101.10	35831.02	204.69	5.01	2.52	7.08
Upper Root River 2A015 Area 64.6		Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	40.00	25.66	10700.22	72.10	0.26	0.26	1.54	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Medium Density Residential	60.00	38.72	15875.20	14.56	9.91	4.34	6.20	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	0.22	63.36	0.25	0.12	0.03	0.12	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	64.60	26638.78	86.91	10.29	4.63	7.86
	Upper Root River 2A020 Area 105.3	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Park		0.50	0.53	219.55	1.48	0.01	0.01	0.03	
Institutional		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Low Density Residential		32.00	33.70	6907.68	6.47	4.31	1.89	2.70	
Medium Density Residential		52.50	55.28	22665.83	20.79	14.15	6.19	8.85	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		5.00	5.27	5559.84	5.63	14.22	2.11	11.06	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	0.17	48.96	0.19	0.10	0.03	0.10	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		10.00	10.36	5594.40	4.56	4.35	0.00	20.72	
Subtotal			100.00	105.30	40996.26	39.12	37.13	10.22	43.44

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings							
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)	
Upper Root River 2A030 Area 148	Wetland, Forest, Preservation	30.00	44.40	133.20	1.33	0.44	0.44	0.44	
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	27.00	39.96	8191.80	7.67	5.11	2.24	3.20	
	Medium Density Residential	43.00	63.64	26092.40	23.93	16.29	7.13	10.18	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	<i>Subtotal</i>		100.00	148.00	34417.40	32.93	21.85	9.81	13.82
	Upper Root River 2A040 Area 79.7	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agriculture		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		15.00	11.81	4969.91	21.25	2.17	0.94	12.87	
Low Density Residential		30.00	23.84	4887.20	4.58	3.05	1.34	1.91	
Medium Density Residential		55.00	43.32	17759.15	16.29	11.09	4.85	6.93	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	0.74	213.12	0.83	0.41	0.11	0.41	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<i>Subtotal</i>			100.00	79.70	27829.38	42.94	16.73	7.24	22.12
Upper Root River 2A050 Area 189.8		Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Park	15.00	28.47	11871.99	80.00	0.28	0.28	1.71	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	40.55	76.96	15777.60	14.78	9.85	4.31	6.16	
	Medium Density Residential	18.15	34.14	13996.87	12.84	8.74	3.82	5.46	
	High Density Residential	12.30	23.22	13325.64	12.07	8.36	3.71	5.20	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	4.00	7.59	3264.56	1.02	9.11	1.90	27.71	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	0.44	126.72	0.49	0.25	0.07	0.25	
	Open Water	3.00	5.69	1053.39	0.74	0.23	0.23	0.23	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	7.00	13.29	7174.44	5.85	5.58	0.00	26.57	
	<i>Subtotal</i>		100.00	189.80	66591.21	127.79	42.40	14.32	73.28
	Upper Root River 2A060 Area 295.2	Wetland, Forest, Preservation	1.00	2.92	8.77	0.09	0.03	0.03	0.03
Agriculture		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Park		14.00	41.33	17233.78	116.13	0.41	0.41	2.48	
Institutional		7.00	20.58	8665.86	37.05	3.79	1.65	22.44	
Low Density Residential		67.00	196.22	40225.92	37.68	25.12	10.99	15.70	
Medium Density Residential		8.00	23.62	9682.56	8.88	6.05	2.64	3.78	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	1.67	480.96	1.87	0.94	0.25	0.94	
Open Water		3.00	8.86	1638.36	1.15	0.35	0.35	0.35	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<i>Subtotal</i>			100.00	295.20	77936.21	202.85	36.68	16.33	45.71

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings							
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)	
Upper Root River 2B010 Area 106.2	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Park	30.00	31.85	13281.45	89.50	0.32	0.32	1.91	
	Institutional	2.00	2.05	864.73	3.70	0.38	0.16	2.24	
	Low Density Residential	52.00	54.33	11138.47	10.43	6.95	3.04	4.35	
	Medium Density Residential	5.00	5.20	2132.00	1.96	1.33	0.58	0.83	
	High Density Residential	7.00	7.32	4203.98	3.81	2.64	1.17	1.64	
	Commercial	4.00	4.25	4485.89	4.55	11.47	1.70	8.92	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	1.19	342.72	1.33	0.67	0.18	0.67	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	106.20	36449.24	115.27	23.76	7.16	20.56
	Upper Root River 2B012 Area 22.3	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agriculture		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Low Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Medium Density Residential		95.00	20.58	8435.75	7.74	5.27	2.30	3.29	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		5.00	1.09	1145.76	1.16	2.93	0.43	2.28	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	0.64	184.32	0.72	0.36	0.10	0.36	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	22.30	9765.83	9.61	8.56	2.83	5.93
Upper Root River 2B013 Area 25.6		Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Medium Density Residential	100.00	25.60	10496.00	9.63	6.55	2.87	4.10	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	25.60	10496.00	9.63	6.55	2.87	4.10
	Upper Root River 2B014 Area 67.4	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agriculture		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Low Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Medium Density Residential		75.00	50.22	20590.20	18.88	12.86	5.62	8.04	
High Density Residential		15.00	10.11	5803.14	5.26	3.64	1.62	2.26	
Commercial		10.00	6.41	6768.96	6.86	17.31	2.56	13.46	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	0.66	190.08	0.74	0.37	0.10	0.37	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	67.40	33352.38	31.74	34.17	9.91	24.13

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings							
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)	
Upper Root River 2B015 Area 42.7	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Park	8.00	3.42	1424.47	9.60	0.03	0.03	0.20	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Medium Density Residential	92.00	38.65	15848.14	14.53	9.90	4.33	6.18	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	0.63	181.44	0.71	0.35	0.09	0.35	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	42.70	17454.05	24.84	10.28	4.46	6.74
	Upper Root River 2B020 Area 83.5	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agriculture		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		12.00	9.63	4054.23	17.33	1.77	0.77	10.50	
Low Density Residential		30.00	24.29	4979.45	4.66	3.11	1.36	1.94	
Medium Density Residential		38.00	30.77	12615.70	11.57	7.88	3.45	4.92	
High Density Residential		18.00	14.88	8541.12	7.74	5.36	2.38	3.33	
Commercial		2.00	1.48	1562.88	1.58	4.00	0.59	3.11	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	2.45	705.60	2.74	1.37	0.37	1.37	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	83.50	32458.98	45.63	23.48	8.92	25.18
Upper Root River 2B030 Area 75.9		Wetland, Forest, Preservation	20.00	15.18	45.54	0.46	0.15	0.15	0.15
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Medium Density Residential	77.00	57.56	23600.83	21.64	14.74	6.45	9.21	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	3.00	2.25	2372.83	2.40	6.07	0.90	4.72	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	0.91	262.08	1.02	0.51	0.14	0.51	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	75.90	26281.28	25.52	21.46	7.63	14.59
	Upper Root River 2B040 Area 68.3	Wetland, Forest, Preservation	8.00	5.46	16.39	0.16	0.05	0.05	0.05
Agriculture		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Low Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Medium Density Residential		92.00	62.84	25762.76	23.63	16.09	7.04	10.05	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	68.30	25779.15	23.79	16.14	7.09	10.11

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings							
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)	
Upper Root River 2B050 Area 249.1	Wetland, Forest, Preservation	2.00	4.96	14.89	0.15	0.05	0.05	0.05	
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Park	7.00	17.44	7271.23	49.00	0.17	0.17	1.05	
	Institutional	15.00	36.90	15532.80	66.41	6.79	2.95	40.22	
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Medium Density Residential	36.00	89.05	36508.86	33.48	22.80	9.97	14.25	
	High Density Residential	27.00	66.96	38433.32	34.82	24.10	10.71	15.00	
	Commercial	10.00	24.04	25386.24	25.72	64.91	9.62	50.48	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	2.29	659.52	2.56	1.28	0.34	1.28	
	Open Water	3.00	7.47	1382.51	0.97	0.30	0.30	0.30	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	249.10	125189.35	213.12	120.40	34.12	122.62
	Upper Root River 2B060 Area 248.6	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agriculture		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Park		5.00	12.43	5183.31	34.93	0.12	0.12	0.75	
Institutional		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Low Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Medium Density Residential		50.00	123.30	50553.00	46.36	31.56	13.81	19.73	
High Density Residential		35.00	85.64	49157.36	44.53	30.83	13.70	19.18	
Commercial		10.00	24.28	25639.68	25.98	65.56	9.71	50.99	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	2.95	849.60	3.30	1.65	0.44	1.65	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	248.60	131382.95	155.11	129.73	37.79	92.30
Upper Root River 2C010 Area 200.7		Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Park	5.00	10.04	4184.60	28.20	0.10	0.10	0.60	
	Institutional	10.00	20.07	8449.47	36.13	3.69	1.61	21.88	
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Medium Density Residential	58.00	114.78	47058.16	43.16	29.38	12.85	18.36	
	High Density Residential	17.00	33.77	19383.41	17.56	12.16	5.40	7.56	
	Commercial	10.00	19.30	20380.80	20.65	52.11	7.72	40.53	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	2.75	792.00	3.08	1.54	0.41	1.54	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	200.70	100248.43	148.77	98.98	28.10	90.48
	Upper Root River 2D010 Area 162.3	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agriculture		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Park		5.00	8.12	3383.96	22.80	0.08	0.08	0.49	
Institutional		12.00	18.84	7929.96	33.90	3.47	1.51	20.53	
Low Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Medium Density Residential		83.00	133.06	54554.19	50.03	34.06	14.90	21.29	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	2.29	659.52	2.56	1.28	0.34	1.28	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	162.30	66527.62	109.30	38.89	16.83	43.59

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings							
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)	
Upper Root River 2D020 Area 265.2	Wetland, Forest, Preservation	11.00	29.17	87.52	0.88	0.29	0.29	0.29	
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	2.00	5.30	2232.98	9.55	0.98	0.42	5.78	
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Medium Density Residential	87.00	228.99	93887.54	86.10	58.62	25.65	36.64	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	1.73	498.24	1.94	0.97	0.26	0.97	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	265.20	96706.28	98.46	60.86	26.62	43.68
	Upper Root River 2D030 Area 75.1	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agriculture		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Low Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Medium Density Residential		100.00	74.76	30651.60	28.11	19.14	8.37	11.96	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	0.34	97.92	0.38	0.19	0.05	0.19	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	75.10	30749.52	28.49	19.33	8.42	12.15
Upper Root River 2D031 Area 33.2		Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	100.00	33.20	6806.00	6.37	4.25	1.86	2.66	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	33.20	6806.00	6.37	4.25	1.86	2.66
	Upper Root River 2D032 Area 52.7	Wetland, Forest, Preservation	3.00	1.58	4.74	0.05	0.02	0.02	0.02
Agriculture		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Park		5.00	2.64	1098.80	7.40	0.03	0.03	0.16	
Institutional		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Low Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Medium Density Residential		92.00	48.48	19878.44	18.23	12.41	5.43	7.76	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	52.70	20981.98	25.68	12.45	5.47	7.93

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings							
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)	
Upper Root River 2D040 Area 173.6	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	5.00	8.50	3578.50	15.30	1.56	0.68	9.27	
	Low Density Residential	38.00	64.89	13302.04	12.46	8.31	3.63	5.19	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	29.00	49.52	28426.78	25.75	17.83	7.92	11.09	
	Commercial	8.00	13.29	14032.13	14.22	35.88	5.32	27.90	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	20.00	34.60	34703.80	76.12	198.26	21.45	89.96	
	Arterial	0.00	2.80	806.40	3.14	1.57	0.42	1.57	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	173.60	94849.64	146.99	263.40	39.42	144.98
	Upper Root River 2E010 Area 189.3	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agriculture		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		2.00	3.79	1593.91	6.81	0.70	0.30	4.13	
Low Density Residential		93.00	174.70	35813.30	33.54	22.36	9.78	13.98	
Medium Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		5.00	9.47	9493.40	20.82	54.23	5.87	24.61	
Arterial		0.00	1.35	388.80	1.51	0.76	0.20	0.76	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	189.30	47289.40	62.69	78.05	16.16	43.47
Upper Root River 2E011 Area 98.2		Wetland, Forest, Preservation	13.00	12.77	38.30	0.38	0.13	0.13	0.13
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Park	2.00	1.79	748.10	5.04	0.02	0.02	0.11	
	Institutional	15.00	14.19	5973.99	25.54	2.61	1.14	15.47	
	Low Density Residential	44.00	41.17	8439.44	7.90	5.27	2.31	3.29	
	Medium Density Residential	8.00	7.83	3208.66	2.94	2.00	0.88	1.25	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	3.00	2.81	2963.14	3.00	7.58	1.12	5.89	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	15.00	14.73	14774.19	32.41	84.40	9.13	38.30	
	Arterial	0.00	2.92	840.96	3.27	1.64	0.44	1.64	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	98.20	36986.77	80.49	103.64	15.16	66.07
	Upper Root River 2E020 Area 116.7	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agriculture		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		8.00	9.26	3896.78	16.66	1.70	0.74	10.09	
Low Density Residential		87.00	100.84	20672.00	19.36	12.91	5.65	8.07	
Medium Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		5.00	5.84	5852.51	12.84	33.43	3.62	15.17	
Arterial		0.00	0.77	221.76	0.86	0.43	0.12	0.43	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	116.70	30643.04	49.72	48.48	10.12	33.76

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)
Upper Root River 2E030 Area 39.9	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	100.00	39.90	8179.50	7.66	5.11	2.23	3.19
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	39.90	8179.50	7.66	5.11	2.23
Upper Root River 2E040 Area 11.4	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	100.00	11.40	2337.00	2.19	1.46	0.64	0.91
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	11.40	2337.00	2.19	1.46	0.64
Upper Root River 2E050 Area 42.7	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	100.00	42.70	8753.50	8.20	5.47	2.39	3.42
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	42.70	8753.50	8.20	5.47	2.39
Upper Root River 2E060 Area 169.4	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	96.00	161.49	33106.27	31.01	20.67	9.04	12.92
	Medium Density Residential	2.00	3.33	1364.48	1.25	0.85	0.37	0.53
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.19	342.72	1.33	0.67	0.18	0.67
	Open Water	2.00	3.39	626.78	0.44	0.14	0.14	0.14
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	169.40	35440.25	34.03	22.33	9.73

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)
Upper Root River 2E070 Area 64.1	Wetland, Forest, Preservation	25.00	16.03	48.08	0.48	0.16	0.16	0.16
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	2.00	1.28	534.59	3.60	0.01	0.01	0.08
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	43.00	27.25	5586.87	5.23	3.49	1.53	2.18
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.31	89.28	0.35	0.17	0.05	0.17
	Open Water	30.00	19.23	3557.55	2.50	0.77	0.77	0.77
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	64.10	9816.36	12.16	4.60	2.51
Upper Root River 2E071 Area 18.5	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	98.00	17.83	3655.15	3.42	2.28	1.00	1.43
	Medium Density Residential	2.00	0.30	123.00	0.11	0.08	0.03	0.05
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.37	106.56	0.41	0.21	0.06	0.21
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	18.50	3884.71	3.95	2.57	1.09
Upper Root River 2E080 Area 129	Wetland, Forest, Preservation	3.00	3.87	11.61	0.12	0.04	0.04	0.04
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	17.00	21.93	4495.65	4.21	2.81	1.23	1.75
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	50.00	64.05	36764.70	33.31	23.06	10.25	14.35
	Commercial	30.00	38.25	40392.00	40.93	103.28	15.30	80.33
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.90	259.20	1.01	0.50	0.14	0.50
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	129.00	81923.16	79.57	129.68	26.95
Upper Root River 2E090 Area 155.1	Wetland, Forest, Preservation	50.00	77.55	232.65	2.33	0.78	0.78	0.78
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	45.00	68.99	14141.93	13.25	8.83	3.86	5.52
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.81	233.28	0.91	0.45	0.12	0.45
	Open Water	5.00	7.76	1434.68	1.01	0.31	0.31	0.31
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	155.10	16042.53	17.49	10.37	5.07

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area	Area	Sediment	Phosphorous	Lead	Copper	Zinc
		(%total)	(acres)	(lb./yr.)				
Upper Root River 2F010 Area 135.2	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	55.00	73.68	15104.40	14.15	9.43	4.13	5.89
	Medium Density Residential	35.00	46.87	19216.70	17.62	12.00	5.25	7.50
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	10.00	13.52	13560.56	29.74	77.47	8.38	35.15
	Arterial	0.00	1.13	325.44	1.27	0.63	0.17	0.63
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<i>Subtotal</i>		100.00	135.20	48207.10	62.78	99.53	17.93
Tess Corners Creek 5A010 Area 234.8	Wetland, Forest, Preservation	30.00	70.33	210.99	2.11	0.70	0.70	0.70
	Agriculture	1.00	2.14	962.10	1.84	0.02	0.02	0.02
	Park	20.00	46.90	19557.30	131.79	0.47	0.47	2.81
	Institutional	5.00	11.68	4917.28	21.02	2.15	0.93	12.73
	Low Density Residential	41.00	94.57	19386.44	18.16	12.10	5.30	7.57
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	3.00	6.97	7364.54	7.46	18.83	2.79	14.65
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	2.21	636.48	2.48	1.24	0.33	1.24
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<i>Subtotal</i>		100.00	234.80	53035.13	184.86	35.51	10.54
Tess Corners Creek 5A020 Area 1337.9	Wetland, Forest, Preservation	25.00	333.78	1001.33	10.01	3.34	3.34	3.34
	Agriculture	52.00	691.99	311394.60	595.11	6.92	6.92	6.92
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	2.00	26.54	11172.50	47.77	4.88	2.12	28.93
	Low Density Residential	10.00	129.11	26467.55	24.79	16.53	7.23	10.33
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	3.00	40.03	42268.51	42.83	108.07	16.01	84.06
	Industrial	6.00	78.89	33924.42	10.65	94.67	19.72	287.96
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	10.81	3113.28	12.11	6.05	1.62	6.05
	Open Water	2.00	26.76	4950.23	3.48	1.07	1.07	1.07
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<i>Subtotal</i>		100.00	1337.90	434292.42	746.75	241.54	58.04
Tess Corners Creek 5A030 Area 49.8	Wetland, Forest, Preservation	12.00	5.98	17.93	0.18	0.06	0.06	0.06
	Agriculture	10.00	4.88	2196.00	4.20	0.05	0.05	0.05
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	73.00	34.89	7153.27	6.70	4.47	1.95	2.79
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	5.00	2.36	2492.16	2.53	6.37	0.94	4.96
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.69	486.72	1.89	0.95	0.25	0.95
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<i>Subtotal</i>		100.00	49.80	12346.08	15.49	11.89	3.26

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)
Tess Corners Creek 5A031 Area 84.5	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	75.00	62.52	12815.58	12.00	8.00	3.50	5.00
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	20.00	16.79	9637.46	8.73	6.04	2.69	3.76
	Commercial	5.00	4.12	4345.44	4.40	11.11	1.65	8.64
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.08	311.04	1.21	0.60	0.16	0.60
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	84.50	27109.52	26.35	25.76	8.00
Underwood Creek 1A010 Area 160.4	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	1.00	1.51	637.39	2.73	0.28	0.12	1.65
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Medium Density Residential	88.00	139.25	57093.32	52.36	35.65	15.60	22.28
	High Density Residential	2.00	3.00	1720.85	1.56	1.08	0.48	0.67
	Commercial	2.00	3.12	3292.61	3.34	8.42	1.25	6.55
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	2.46	708.48	2.76	1.38	0.37	1.38
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	7.00	11.06	5971.32	4.87	4.64	0.00	22.12
	Subtotal		100.00	160.40	69423.97	67.60	51.45	17.81
Underwood Creek 1A020 Area 26.13	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	90.00	22.85	4683.64	4.39	2.92	1.28	1.83
	Medium Density Residential	10.00	2.54	1042.63	0.96	0.65	0.28	0.41
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.74	213.12	0.83	0.41	0.11	0.41
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	26.13	5939.39	6.17	3.99	1.68
Underwood Creek 1A030 Area 128.1	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		0.00	0.00	0.00	0.00	0.00	0.00
OUTSIDE STUDY AREA								
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal							

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings							
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)	
Underwood Creek 1A031 Area 179.6	Wetland, Forest, Preservation	2.00	3.59	10.78	0.11	0.04	0.04	0.04	
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	34.00	60.96	25665.84	109.74	11.22	4.88	66.45	
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Medium Density Residential	57.00	101.35	41554.32	38.11	25.95	11.35	16.22	
	High Density Residential	2.00	3.52	2021.63	1.83	1.27	0.56	0.79	
	Commercial	3.00	5.23	5520.77	5.59	14.12	2.09	10.98	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	1.35	388.80	1.51	0.76	0.20	0.76	
	Open Water	2.00	3.59	664.52	0.47	0.14	0.14	0.14	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	179.60	75826.66	157.36	53.48	19.27	95.37
	Underwood Creek 1A032 Area 95.84	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agriculture		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Park		10.00	9.56	3988.19	26.87	0.10	0.10	0.57	
Institutional		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Low Density Residential		40.00	38.34	7858.88	7.36	4.91	2.15	3.07	
Medium Density Residential		44.00	41.55	17035.34	15.62	10.64	4.65	6.65	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		6.00	5.55	5861.22	5.94	14.99	2.22	11.66	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	0.84	241.92	0.94	0.47	0.13	0.47	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	95.84	34985.55	56.74	31.10	9.24	22.41
Deer Creek 3A010 Area 343.5		Wetland, Forest, Preservation	13.00	44.66	133.97	1.34	0.45	0.45	0.45
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Park	8.00	29.39	12254.80	82.58	0.29	0.29	1.76	
	Institutional	16.00	54.81	23075.01	98.66	10.09	4.38	59.74	
	Low Density Residential	4.00	13.60	2788.00	2.61	1.74	0.76	1.09	
	Medium Density Residential	27.60	94.00	38538.36	35.34	24.06	10.53	15.04	
	High Density Residential	21.00	70.85	40665.03	36.84	25.50	11.34	15.87	
	Commercial	1.60	5.20	5486.98	5.56	14.03	2.08	10.91	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	3.53	1016.64	3.95	1.98	0.53	1.98	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	8.00	27.48	14839.20	12.09	11.54	0.00	54.96	
	Subtotal		100.00	343.50	138797.98	278.98	89.68	30.36	161.80
	Deer Creek 3A011 Area 14.2	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agriculture		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		80.00	11.04	4647.84	19.87	2.03	0.88	12.03	
Low Density Residential		18.00	2.52	515.78	0.48	0.32	0.14	0.20	
Medium Density Residential		1.00	0.14	58.22	0.05	0.04	0.02	0.02	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		1.00	0.07	76.03	0.08	0.19	0.03	0.15	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	0.43	123.84	0.48	0.24	0.06	0.24	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	14.20	5421.71	20.97	2.82	1.13	12.65

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)
Deer Creek 3A020 Area 210.8	Wetland, Forest, Preservation	9.00	18.97	56.92	0.57	0.19	0.19	0.19
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	20.80	43.53	8922.91	8.36	5.57	2.44	3.48
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	2.00	3.99	2287.96	2.07	1.43	0.64	0.89
	Commercial	2.00	4.05	4272.58	4.33	10.92	1.62	8.50
	Industrial	62.20	130.22	55993.57	17.58	156.26	32.55	475.29
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.79	515.52	2.00	1.00	0.27	1.00
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	4.00	8.26	4461.48	3.64	3.47	0.00	16.52
	Subtotal		100.00	210.80	76510.94	38.55	178.85	37.71
Deer Creek 3A030 Area 162.1	Wetland, Forest, Preservation	2.00	3.24	9.73	0.10	0.03	0.03	0.03
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	7.00	11.22	4677.49	31.52	0.11	0.11	0.67
	Institutional	6.00	9.47	3985.19	17.04	1.74	0.76	10.32
	Low Density Residential	23.00	37.28	7643.02	7.16	4.77	2.09	2.98
	Medium Density Residential	36.00	57.43	23544.66	21.59	14.70	6.43	9.19
	High Density Residential	19.00	30.80	17678.63	16.02	11.09	4.93	6.90
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.32	380.16	1.48	0.74	0.20	0.74
	Open Water	7.00	11.35	2099.20	1.48	0.45	0.45	0.45
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	162.10	60018.06	96.38	33.64	15.00
Deer Creek 3A031 Area 60	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	9.00	5.40	1107.00	1.04	0.69	0.30	0.43
	Medium Density Residential	1.00	0.60	246.00	0.23	0.15	0.07	0.10
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	90.00	52.95	22768.50	7.15	63.54	13.24	193.27
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.05	302.40	1.18	0.59	0.16	0.59
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	60.00	24423.90	9.59	64.97	13.76
Deer Creek 3A032 Area 169.4	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	100.00	167.80	72154.00	22.65	201.36	41.95	612.47
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.60	460.80	1.79	0.90	0.24	0.90
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	169.40	72614.80	24.45	202.26	42.19

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)
Deer Creek 3A033 Area 212.9	Wetland, Forest, Preservation	10.00	21.25	63.75	0.64	0.21	0.21	0.21
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	15.00	31.01	17796.87	16.12	11.16	4.96	6.95
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	75.00	156.97	67494.95	21.19	188.36	39.24	572.92
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	3.68	1059.84	4.12	2.06	0.55	2.06
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	212.90	86415.41	42.07	201.79	44.97
Deer Creek 3A040 Area 271.4	Wetland, Forest, Preservation	23.00	62.42	187.27	1.87	0.62	0.62	0.62
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	5.00	13.53	5642.01	38.02	0.14	0.14	0.81
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	15.00	40.67	8337.35	7.81	5.21	2.28	3.25
	Medium Density Residential	32.00	84.73	34738.48	31.86	21.69	9.49	13.56
	High Density Residential	19.00	51.14	29352.06	26.59	18.41	8.18	11.45
	Commercial	6.00	16.02	16921.34	17.15	43.26	6.41	33.65
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	2.89	832.32	3.24	1.62	0.43	1.62
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	271.40	96010.83	126.53	90.95	27.55
Deer Creek 3A041 Area 10	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	100.00	9.75	10296.00	10.43	26.33	3.90	20.48
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.25	72.00	0.28	0.14	0.04	0.14
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	10.00	10368.00	10.71	26.47	3.94
Deer Creek 3A042 Area 121	Wetland, Forest, Preservation	20.00	24.08	72.24	0.72	0.24	0.24	0.24
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	2.00	2.36	993.56	4.25	0.43	0.19	2.57
	Low Density Residential	50.00	60.50	12402.50	11.62	7.74	3.39	4.84
	Medium Density Residential	5.00	5.35	2193.50	2.01	1.37	0.60	0.86
	High Density Residential	3.00	3.40	1951.60	1.77	1.22	0.54	0.76
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	20.00	24.14	10380.20	3.26	28.97	6.04	88.11
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.17	336.96	1.31	0.66	0.18	0.66
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	121.00	28330.56	24.94	40.64	11.17

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)
Deer Creek 3A043 Area 123.4	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	10.00	12.08	12756.48	12.93	32.62	4.83	25.37
	Industrial	90.00	110.14	47360.20	14.87	132.17	27.54	402.01
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.18	339.84	1.32	0.66	0.18	0.66
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	123.40	60456.52	29.12	165.44	32.54
Deer Creek 3A044 Area 127.2	Wetland, Forest, Preservation	3.00	3.82	11.45	0.11	0.04	0.04	0.04
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	2.00	2.54	1071.02	4.58	0.47	0.20	2.77
	Low Density Residential	16.00	19.98	4096.31	3.84	2.56	1.12	1.60
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	10.00	12.14	12819.84	12.99	32.78	4.86	25.49
	Industrial	69.00	86.40	37151.14	11.66	103.68	21.60	315.35
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	2.32	668.16	2.60	1.30	0.35	1.30
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	127.20	55817.92	35.78	140.82	28.16
Deer Creek 3A050 Area 122.4	Wetland, Forest, Preservation	32.00	39.14	117.41	1.17	0.39	0.39	0.39
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Medium Density Residential	22.00	26.93	11040.48	10.12	6.89	3.02	4.31
	High Density Residential	7.00	8.30	4763.05	4.31	2.99	1.33	1.86
	Commercial	39.00	46.53	49131.46	49.78	125.62	18.61	97.70
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.51	434.88	1.69	0.85	0.23	0.85
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	122.40	65487.28	67.09	136.74	23.57
Deer Creek 3A060 Area 216.8	Wetland, Forest, Preservation	15.00	32.52	97.56	0.98	0.33	0.33	0.33
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	3.00	6.50	2738.18	11.71	1.20	0.52	7.09
	Low Density Residential	12.00	26.02	5333.28	5.00	3.33	1.46	2.08
	Medium Density Residential	35.00	75.11	30795.10	28.24	19.23	8.41	12.02
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	18.00	38.88	41061.50	41.61	104.99	15.55	81.66
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.91	262.08	1.02	0.51	0.14	0.51
	Open Water	2.00	4.34	802.16	0.56	0.17	0.17	0.17
	Extractive, Landfill	15.00	32.52	108746.88	2.93	0.33	0.33	0.33
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	216.80	189836.75	92.03	130.08	26.90

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings							
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)	
Deer Creek 3A070 Area 429.8	Wetland, Forest, Preservation	7.00	30.09	90.26	0.90	0.30	0.30	0.30	
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Park	6.00	25.79	10753.60	72.46	0.26	0.26	1.55	
	Institutional	8.00	34.38	14475.66	61.89	6.33	2.75	37.48	
	Low Density Residential	3.00	12.52	2567.42	2.40	1.60	0.70	1.00	
	Medium Density Residential	63.00	268.25	109984.14	100.86	68.67	30.04	42.92	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	9.00	37.21	39295.87	39.82	100.47	14.88	78.15	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	4.36	1255.68	4.88	2.44	0.65	2.44	
	Open Water	4.00	17.19	3180.52	2.23	0.69	0.69	0.69	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	<i>Subtotal</i>		100.00	429.80	181603.15	285.46	180.76	50.28	164.52
	Deer Creek 3A080 Area 173.6	Wetland, Forest, Preservation	15.00	26.04	78.12	0.78	0.26	0.26	0.26
		Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Park		3.00	5.21	2171.74	14.63	0.05	0.05	0.31	
Institutional		33.00	57.29	24118.25	103.12	10.54	4.58	62.44	
Low Density Residential		27.00	46.87	9608.76	9.00	6.00	2.62	3.75	
Medium Density Residential		22.00	37.50	15375.82	14.10	9.60	4.20	6.00	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	0.69	198.72	0.77	0.39	0.10	0.39	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<i>Subtotal</i>			100.00	173.60	51551.40	142.41	26.84	11.82	73.15
Poplar Creek 6A010 Area 610.6		Wetland, Forest, Preservation	40.00	242.88	728.64	7.29	2.43	2.43	2.43
		Agriculture	8.00	47.96	21581.10	41.24	0.48	0.48	0.48
	Park	15.00	91.19	38026.23	256.24	0.91	0.91	5.47	
	Institutional	1.00	5.80	2440.12	10.43	1.07	0.46	6.32	
	Low Density Residential	24.00	144.40	29602.82	27.73	18.48	8.09	11.55	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	1.00	5.93	6257.86	6.34	16.00	2.37	12.44	
	Industrial	10.00	60.97	26217.10	8.23	73.16	15.24	222.54	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	5.37	1546.56	6.01	3.01	0.81	3.01	
	Open Water	1.00	6.11	1129.61	0.79	0.24	0.24	0.24	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	<i>Subtotal</i>		100.00	610.60	127530.03	364.31	115.79	31.03	264.49
	Poplar Creek 6A011 Area 405.2	Wetland, Forest, Preservation	8.00	32.39	97.16	0.97	0.32	0.32	0.32
		Agriculture	6.00	24.31	10940.40	20.91	0.24	0.24	0.24
Park		25.00	100.76	42016.92	283.14	1.01	1.01	6.05	
Institutional		3.00	12.05	5071.37	21.68	2.22	0.96	13.13	
Low Density Residential		50.00	199.34	40864.70	38.27	25.52	11.16	15.95	
Medium Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	4.01	1154.88	4.49	2.25	0.60	2.25	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		8.00	32.35	108165.02	2.91	0.32	0.32	0.32	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<i>Subtotal</i>			100.00	405.20	208310.45	372.37	31.88	14.63	38.26

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)
Poplar Creek 6A020 Area 313.1	Wetland, Forest, Preservation	46.00	143.70	431.09	4.31	1.44	1.44	1.44
	Agriculture	5.00	15.00	6747.75	12.90	0.15	0.15	0.15
	Park	3.00	9.06	3779.27	25.47	0.09	0.09	0.54
	Institutional	5.00	15.44	6498.14	27.78	2.84	1.23	16.82
	Low Density Residential	7.00	21.26	4357.69	4.08	2.72	1.19	1.70
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	18.00	56.25	32286.35	29.25	20.25	9.00	12.60
	Commercial	5.00	15.33	16183.20	16.40	41.38	6.13	32.18
	Industrial	10.00	31.31	13463.30	4.23	37.57	7.83	114.28
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	2.64	760.32	2.96	1.48	0.40	1.48
	Open Water	1.00	3.13	579.24	0.41	0.13	0.13	0.13
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	313.10	85086.34	127.78	108.04	27.58
Poplar Creek 6A021 Area 136.6	Wetland, Forest, Preservation	37.00	50.06	150.19	1.50	0.50	0.50	0.50
	Agriculture	5.00	6.83	3073.50	5.87	0.07	0.07	0.07
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	8.00	10.52	2156.19	2.02	1.35	0.59	0.84
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	50.00	67.82	29162.60	9.16	81.38	16.96	247.54
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.37	394.56	1.53	0.77	0.21	0.77
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	136.60	34937.04	20.09	84.07	18.32
Poplar Creek 6A022 Area 71.2	Wetland, Forest, Preservation	3.00	2.14	6.41	0.06	0.02	0.02	0.02
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	28.00	19.82	8342.54	35.67	3.65	1.59	21.60
	Low Density Residential	67.00	47.58	9754.72	9.14	6.09	2.66	3.81
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.24	69.12	0.27	0.13	0.04	0.13
	Open Water	2.00	1.42	263.44	0.19	0.06	0.06	0.06
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	71.20	18436.22	45.32	9.95	4.36
Poplar Creek 6A023 Area 333.1	Wetland, Forest, Preservation	30.00	99.93	299.79	3.00	1.00	1.00	1.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	5.00	16.66	7011.76	29.98	3.06	1.33	18.15
	Low Density Residential	65.00	214.57	43985.83	41.20	27.46	12.02	17.17
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.95	561.60	2.18	1.09	0.29	1.09
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	333.10	51858.97	76.36	32.62	14.64

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)
Poplar Creek 6A030 Area 108.2	Wetland, Forest, Preservation	23.00	24.85	74.54	0.75	0.25	0.25	0.25
	Agriculture	40.00	43.16	19422.00	37.12	0.43	0.43	0.43
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	17.00	18.18	7655.46	32.73	3.35	1.45	19.82
	Low Density Residential	10.00	10.31	2113.55	1.98	1.32	0.58	0.82
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	10.00	10.26	10834.56	10.98	27.70	4.10	21.55
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.44	414.72	1.61	0.81	0.22	0.81
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	108.20	40514.83	85.16	33.85	7.03
Poplar Creek 6A040 Area 159.9	Wetland, Forest, Preservation	25.00	39.98	119.93	1.20	0.40	0.40	0.40
	Agriculture	52.00	82.88	37295.10	71.28	0.83	0.83	0.83
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	5.00	8.00	3365.90	14.39	1.47	0.64	8.71
	Low Density Residential	18.00	28.75	5894.16	5.52	3.68	1.61	2.30
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.30	86.40	0.34	0.17	0.05	0.17
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	159.90	46761.48	92.72	6.55	3.52
Poplar Creek 6A041 Area 372.9	Wetland, Forest, Preservation	20.00	73.91	221.73	2.22	0.74	0.74	0.74
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	10.00	37.14	15635.94	66.85	6.83	2.97	40.48
	Low Density Residential	15.00	55.33	11341.63	10.62	7.08	3.10	4.43
	Medium Density Residential	27.00	99.22	40681.43	37.31	25.40	11.11	15.88
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	5.00	17.62	18601.44	18.85	47.56	7.05	36.99
	Industrial	22.00	80.87	34773.24	10.92	97.04	20.22	295.17
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	5.09	1465.92	5.70	2.85	0.76	2.85
	Open Water	1.00	3.73	689.87	0.48	0.15	0.15	0.15
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	372.90	123411.19	152.95	187.66	46.10
Poplar Creek 6A042 Area 78.3	Wetland, Forest, Preservation	25.00	19.58	58.73	0.59	0.20	0.20	0.20
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	47.00	36.80	7544.21	7.07	4.71	2.06	2.94
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	28.00	21.92	9427.32	2.96	26.31	5.48	80.02
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	78.30	17030.25	10.61	31.22	7.74

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)
Poplar Creek 6A043 Area 44.1	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	5.00	2.21	452.03	0.42	0.28	0.12	0.18
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	95.00	41.60	17885.85	5.62	49.91	10.40	151.82
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.30	86.40	0.34	0.17	0.05	0.17
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	44.10	18424.28	6.37	50.36	10.57
Poplar Creek 6A044 Area 79.7	Wetland, Forest, Preservation	5.00	3.99	11.96	0.12	0.04	0.04	0.04
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	95.00	75.11	32295.15	10.14	90.13	18.78	274.13
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.61	175.68	0.68	0.34	0.09	0.34
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	79.70	32482.79	10.94	90.51	18.91
Poplar Creek 6A050 Area 92.5	Wetland, Forest, Preservation	5.00	4.50	13.49	0.13	0.04	0.04	0.04
	Agriculture	80.00	72.90	32805.00	62.69	0.73	0.73	0.73
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	15.00	13.36	2737.78	2.56	1.71	0.75	1.07
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.75	504.00	1.96	0.98	0.26	0.98
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	92.50	36060.26	67.35	3.46	1.78
Poplar Creek 6A060 Area 567.9	Wetland, Forest, Preservation	25.00	139.94	419.81	4.20	1.40	1.40	1.40
	Agriculture	10.00	56.08	25236.00	48.23	0.56	0.56	0.56
	Park	20.00	113.58	47362.86	319.16	1.14	1.14	6.81
	Institutional	15.00	84.57	35601.87	152.22	15.56	6.77	92.18
	Low Density Residential	29.00	163.67	33552.56	31.42	20.95	9.17	13.09
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	1.00	5.64	5954.78	6.03	15.23	2.26	11.84
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	4.43	1275.84	4.96	2.48	0.66	2.48
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	567.90	149403.71	566.22	57.31	21.95

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings							
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)	
Poplar Creek 6A070 Area 116.8	Wetland, Forest, Preservation	35.00	40.88	122.64	1.23	0.41	0.41	0.41	
	Agriculture	15.00	17.52	7884.00	15.07	0.18	0.18	0.18	
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Low Density Residential	50.00	58.33	11957.65	11.20	7.47	3.27	4.67	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	0.07	20.16	0.08	0.04	0.01	0.04	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	116.80	19984.45	27.57	8.09	3.86	5.29
	Poplar Creek 6A071 Area 680.8	Wetland, Forest, Preservation	37.00	251.90	755.69	7.56	2.52	2.52	2.52
		Agriculture	20.00	136.08	61236.00	117.03	1.36	1.36	1.36
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Low Density Residential		35.00	237.21	48628.05	45.54	30.36	13.28	18.98	
Medium Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Industrial		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	1.19	342.72	1.33	0.67	0.18	0.67	
Open Water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Extractive, Landfill		8.00	54.42	181993.86	4.90	0.54	0.54	0.54	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	680.80	292956.31	176.36	35.45	17.89	24.07
Poplar Creek 6A072 Area 786.6		Wetland, Forest, Preservation	55.00	431.74	1295.22	12.95	4.32	4.32	4.32
		Agriculture	5.00	39.33	17698.50	33.82	0.39	0.39	0.39
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Institutional	3.00	23.02	9690.58	41.43	4.24	1.84	25.09	
	Low Density Residential	30.00	231.58	47473.90	44.46	29.64	12.97	18.53	
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Commercial	7.00	53.72	56730.43	57.48	145.05	21.49	112.82	
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Arterial	0.00	7.21	2076.48	8.08	4.04	1.08	4.04	
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal		100.00	786.60	134965.11	198.23	187.68	42.09	165.18
	Poplar Creek 6B010 Area 279.9	Wetland, Forest, Preservation	56.00	156.59	469.78	4.70	1.57	1.57	1.57
		Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Park		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Institutional		2.00	5.54	2331.50	9.97	1.02	0.44	6.04	
Low Density Residential		20.00	54.17	11104.85	10.40	6.93	3.03	4.33	
Medium Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
High Density Residential		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial		2.00	5.53	5837.57	5.91	14.93	2.21	11.61	
Industrial		15.00	41.99	18053.55	5.67	50.38	10.50	153.25	
Highway		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arterial		0.00	2.09	601.92	2.34	1.17	0.31	1.17	
Open Water		5.00	14.00	2589.08	1.82	0.56	0.56	0.56	
Extractive, Landfill		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Railroad		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal			100.00	279.90	40988.24	40.81	76.56	18.62	178.52

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)
Poplar Creek 6B020 Area 349.7	Wetland, Forest, Preservation	25.00	87.43	262.28	2.62	0.87	0.87	0.87
	Agriculture	10.00	34.80	15660.00	29.93	0.35	0.35	0.35
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	63.00	219.48	44993.61	42.14	28.09	12.29	17.56
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.00	288.00	1.12	0.56	0.15	0.56
	Open Water	2.00	6.99	1293.89	0.91	0.28	0.28	0.28
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	349.70	62497.77	76.72	30.16	13.94
Poplar Creek 6B030 Area 325.9	Wetland, Forest, Preservation	13.00	42.37	127.10	1.27	0.42	0.42	0.42
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	30.00	97.51	40661.67	274.00	0.98	0.98	5.85
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	42.00	134.46	27563.89	25.82	17.21	7.53	10.76
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	2.00	6.37	6724.61	6.81	17.19	2.55	13.37
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	3.20	921.60	3.58	1.79	0.48	1.79
	Open Water	3.00	9.78	1808.75	1.27	0.39	0.39	0.39
	Extractive, Landfill	10.00	32.22	107743.68	2.90	0.32	0.32	0.32
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	325.90	185551.29	315.66	38.31	12.67
Poplar Creek 6B040 Area 210.2	Wetland, Forest, Preservation	60.00	126.05	378.15	3.78	1.26	1.26	1.26
	Agriculture	13.00	27.26	12265.20	23.44	0.27	0.27	0.27
	Park	5.00	10.51	4382.67	29.53	0.11	0.11	0.63
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	22.00	45.69	9367.27	8.77	5.85	2.56	3.66
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.69	198.72	0.77	0.39	0.10	0.39
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	210.20	26592.01	66.30	7.87	4.30
Poplar Creek 6B050 Area 119.6	Wetland, Forest, Preservation	75.00	89.11	267.33	2.67	0.89	0.89	0.89
	Agriculture	5.00	5.84	2628.00	5.02	0.06	0.06	0.06
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	20.00	23.04	4723.20	4.42	2.95	1.29	1.84
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.61	463.68	1.80	0.90	0.24	0.90
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	119.60	8082.21	13.92	4.80	2.48

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)
Poplar Creek 6C010 Area 753.5	Wetland, Forest, Preservation	37.00	278.29	834.86	8.35	2.78	2.78	2.78
	Agriculture	8.00	59.05	26572.50	50.78	0.59	0.59	0.59
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	5.00	37.51	15789.61	67.51	6.90	3.00	40.88
	Low Density Residential	20.00	148.83	30510.15	28.58	19.05	8.33	11.91
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	6.00	44.87	47382.72	48.01	121.15	17.95	94.23
	Industrial	14.00	104.47	44922.10	14.10	125.36	26.12	381.32
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	5.14	1480.32	5.76	2.88	0.77	2.88
	Open Water	5.00	37.68	6969.88	4.90	1.51	1.51	1.51
	Extractive, Landfill	5.00	37.68	125985.20	3.39	0.38	0.38	0.38
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	753.50	300447.33	231.38	280.60	61.43
Poplar Creek 6C020 Area 317.4	Wetland, Forest, Preservation	43.90	138.60	415.80	4.16	1.39	1.39	1.39
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	26.10	82.75	16964.04	15.89	10.59	4.63	6.62
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	8.00	25.39	14575.01	13.20	9.14	4.06	5.69
	Commercial	3.00	9.43	9960.19	10.09	25.47	3.77	19.81
	Industrial	4.00	12.70	5459.28	1.71	15.24	3.17	46.34
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.92	264.96	1.03	0.52	0.14	0.52
	Open Water	2.00	6.35	1174.38	0.83	0.25	0.25	0.25
	Extractive, Landfill	10.00	31.74	106138.56	2.86	0.32	0.32	0.32
	Railroad	3.00	9.52	5141.88	4.19	4.00	0.00	19.04
	Subtotal		100.00	317.40	160094.09	53.96	66.91	17.74
Poplar Creek 6C021 Area 145.7	Wetland, Forest, Preservation	12.00	17.48	52.45	0.52	0.17	0.17	0.17
	Agriculture	35.00	51.00	22947.75	43.86	0.51	0.51	0.51
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	2.00	2.91	1226.79	5.25	0.54	0.23	3.18
	Low Density Residential	45.00	65.57	13440.83	12.59	8.39	3.67	5.25
	Medium Density Residential	6.00	7.69	3153.72	2.89	1.97	0.86	1.23
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.05	302.40	1.18	0.59	0.16	0.59
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	145.70	41123.94	66.28	12.17	5.61
Poplar Creek 6C022 Area 292.3	Wetland, Forest, Preservation	35.60	103.30	309.90	3.10	1.03	1.03	1.03
	Agriculture	15.40	45.01	20256.39	38.71	0.45	0.45	0.45
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	7.00	20.27	8534.09	36.49	3.73	1.62	22.10
	Low Density Residential	5.00	12.61	2584.03	2.42	1.61	0.71	1.01
	Medium Density Residential	33.00	96.24	39457.99	36.19	24.64	10.78	15.40
	High Density Residential	3.00	7.82	4488.11	4.07	2.81	1.25	1.75
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	4.13	1189.44	4.63	2.31	0.62	2.31
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	1.00	2.92	1578.42	1.29	1.23	0.00	5.85
	Subtotal		100.00	292.30	78398.36	126.88	37.82	16.46

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)
Poplar Creek 6D010 Area 159.4	Wetland, Forest, Preservation	50.00	79.59	238.77	2.39	0.80	0.80	0.80
	Agriculture	5.00	7.95	3577.50	6.84	0.08	0.08	0.08
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	1.00	1.57	662.65	2.83	0.29	0.13	1.72
	Low Density Residential	40.00	63.58	13033.90	12.21	8.14	3.56	5.09
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	4.00	6.38	6733.06	6.82	17.22	2.55	13.39
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.33	95.04	0.37	0.18	0.05	0.18
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	159.40	24340.92	31.46	26.70	7.16
Poplar Creek 6D020 Area 91.1	Wetland, Forest, Preservation	35.00	30.94	92.81	0.93	0.31	0.31	0.31
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	2.00	1.73	729.17	3.12	0.32	0.14	1.89
	Low Density Residential	60.00	54.05	11080.25	10.38	6.92	3.03	4.32
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	3.00	2.64	2791.01	2.83	7.14	1.06	5.55
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	1.74	501.12	1.95	0.97	0.26	0.97
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	91.10	15194.36	19.20	15.66	4.79
Poplar Creek 6E010 Area 34.2	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	4.00	1.37	615.60	1.18	0.01	0.01	0.01
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	1.00	0.34	147.06	0.05	0.41	0.09	1.25
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Open Water	93.00	31.81	5884.11	4.13	1.27	1.27	1.27
	Extractive, Landfill	2.00	0.68	2287.30	0.06	0.01	0.01	0.01
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	34.20	8934.07	5.42	1.70	1.38
Poplar Creek 6F010 Area 38.4	Wetland, Forest, Preservation	43.00	16.51	49.54	0.50	0.17	0.17	0.17
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	37.00	14.21	2912.64	2.73	1.82	0.80	1.14
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Open Water	20.00	7.68	1420.80	1.00	0.31	0.31	0.31
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	38.40	4382.98	4.22	2.29	1.27

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)
Mill Creek 7A010 Area 11.4	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	70.00	7.98	3327.66	22.42	0.08	0.08	0.48
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	30.00	3.27	670.35	0.63	0.42	0.18	0.26
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.15	43.20	0.17	0.08	0.02	0.08
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<i>Subtotal</i>		100.00	11.40	4041.21	23.22	0.58	0.29
Mill Creek 7B010 Area 247.7	Wetland, Forest, Preservation	12.00	29.72	89.17	0.89	0.30	0.30	0.30
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	63.00	156.05	65073.27	438.50	1.56	1.56	9.36
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	25.00	61.93	12694.63	11.89	7.93	3.47	4.95
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<i>Subtotal</i>		100.00	247.70	77857.06	451.28	9.78	5.33
Mill Creek 7B020 Area 153.7	Wetland, Forest, Preservation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Agriculture	8.00	12.30	5533.20	10.57	0.12	0.12	0.12
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	85.00	129.94	26636.68	24.95	16.63	7.28	10.39
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.75	216.00	0.84	0.42	0.11	0.42
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	7.00	10.72	35844.34	0.96	0.11	0.11	0.11
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<i>Subtotal</i>		100.00	153.70	68230.21	37.33	17.28	7.62
Mill Creek 7B030 Area 1117.3	Wetland, Forest, Preservation	25.00	278.30	834.89	8.35	2.78	2.78	2.78
	Agriculture	39.00	434.51	195528.15	373.68	4.35	4.35	4.35
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	1.00	11.02	4640.68	19.84	2.03	0.88	12.02
	Low Density Residential	30.00	329.80	67609.00	63.32	42.21	18.47	26.38
	Medium Density Residential	1.00	11.02	4519.43	4.14	2.82	1.23	1.76
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	1.00	11.17	11798.69	11.96	30.17	4.47	23.46
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	8.55	2462.40	9.58	4.79	1.28	4.79
	Open Water	2.00	22.35	4134.01	2.90	0.89	0.89	0.89
	Extractive, Landfill	1.00	10.58	35389.55	0.95	0.11	0.11	0.11
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<i>Subtotal</i>		100.00	1117.30	326916.80	494.72	90.15	34.46

Table __
City of New Berlin - Stormwater Management Study
Calculation of Total Loadings - Future Conditions

Drainage Areas	Land Uses	Total Loadings						
		Area (%total)	Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)
Mill Creek 7B040 Area 205.9	Wetland, Forest, Preservation	14.00	28.83	86.48	0.86	0.29	0.29	0.29
	Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	85.00	174.58	35787.88	33.52	22.35	9.78	13.97
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	0.44	126.72	0.49	0.25	0.07	0.25
	Open Water	1.00	2.06	380.92	0.27	0.08	0.08	0.08
	Extractive, Landfill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	205.90	36381.99	35.14	22.96	10.21
Mill Creek 7C010 Area 281.8	Wetland, Forest, Preservation	17.00	47.30	141.89	1.42	0.47	0.47	0.47
	Agriculture	15.00	42.27	19021.50	36.35	0.42	0.42	0.42
	Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	58.00	162.27	33266.17	31.16	20.77	9.09	12.98
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	9.00	25.36	25438.09	55.80	145.32	15.72	65.94
	Arterial	0.00	2.07	596.16	2.32	1.16	0.31	1.16
	Open Water	1.00	2.82	521.33	0.37	0.11	0.11	0.11
	Extractive, Landfill	0.00	-0.29	-969.76	-0.03	0.00	0.00	0.00
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	281.80	78015.37	127.38	168.26	26.13
Mill Creek 7D010 Area 372.9	Wetland, Forest, Preservation	3.00	11.19	33.56	0.34	0.11	0.11	0.11
	Agriculture	27.00	100.68	45307.35	86.59	1.01	1.01	1.01
	Park	15.00	55.94	23324.90	157.18	0.56	0.56	3.36
	Institutional	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Low Density Residential	20.00	73.51	15069.55	14.11	9.41	4.12	5.88
	Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Highway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Arterial	0.00	3.34	961.92	3.74	1.87	0.50	1.87
	Open Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extractive, Landfill	35.00	128.25	428851.28	11.54	1.28	1.28	1.28
	Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal		100.00	372.90	513548.56	273.50	14.24	7.58
PROJECT TOTALS FOR ALL SUBCATCHMENTS								
		Area (acres)	Sediment (lb./yr.)	Phosphorous (lb./yr.)	Lead (lb./yr.)	Copper (lb./yr.)	Zinc (lb./yr.)	
		23,643.87	9,364,415.87	12,212.67	8,514.87	1,964.21	11,238.31	