

APPENDIX B - FRANKLIN WATERSHED WATER QUALITY MODELING

Franklin watershed Water Quality Modeling																				City of Franklin SWMP Update-2002			
Pollutant Loadings (Lb./ac-yr)																							
		450		1056		3		280		512		280		124		512		1056					
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	Mine/Dump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)		
EAST BRANCH																							
EB-1	7.90	3,555	0.00	0	8.63	28	0.00	0	0.00	0	0.00	0	0.00	0	104.35	53,425	0.00	0	120.89	57,005	471.56		
EB-2-1	2.70	1,214	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	41.45	21,222	0.00	0	44.15	22,438	508.21		
EB-2-2	0.15	87	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	3.45	1,788	0.00	0	48.71	24,929	511.81		
EB-2	80.90	38,405	0.00	0	25.10	75	0.00	0	45.10	23,093	0.00	0	0.00	0	6.01	3,078	0.00	0	114.81	40,990	357.03		
EB-3	28.42	11,887	1.52	1,803	0.00	0	0.00	0	2.79	1,431	0.00	0	0.00	0	6.14	3,142	0.00	0	34.07	16,832	488.17		
EB-4-1	12.69	5,709	0.00	0	1.44	4	0.00	0	0.00	0	0.00	0	0.00	0	21.28	10,883	0.00	0	40.33	19,128	474.31		
EB-4	74.73	33,628	0.00	0	0.53	2	0.00	0	4.95	2,532	0.00	0	0.00	0	23.20	11,877	0.00	0	113.59	53,254	468.82		
EB-5-1	17.29	7,782	0.00	0	0.84	2	0.00	0	15.13	7,748	0.00	0	0.00	0	0.04	22	0.00	0	17.98	7,807	434.20		
EB-5	82.80	28,261	0.00	0	6.08	18	0.00	0	27.74	14,203	0.00	0	0.00	0	35.70	18,279	0.00	0	132.32	60,761	459.20		
EB-6	19.12	8,602	0.00	0	0.00	0	0.00	0	1.53	785	0.00	0	0.00	0	10.78	5,522	0.00	0	31.43	14,908	474.29		
EB-7	13.90	6,257	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.76	391	0.00	0	14.67	8,647	453.23		
EB-8-1	0.95	429	0.00	0	21.37	64	0.00	0	0.00	0	0.00	0	0.00	0	21.50	11,009	0.00	0	23.47	11,441	487.41		
EB-8	33.12	14,905	0.00	0	4.99	15	0.00	0	0.00	0	0.00	0	0.00	0	1.08	554	0.00	0	55.87	16,674	280.53		
EB-9	19.02	8,561	0.00	0	9.90	30	0.00	0	0.00	0	0.00	0	0.00	0	27.38	14,019	0.00	0	75.31	33,358	442.92		
EB-10-1	42.94	19,325	0.00	0	10.88	33	0.00	0	0.00	0	0.00	0	0.00	0	78.37	40,127	0.00	0	150.30	70,257	467.43		
EB-10-2	58.43	26,294	3.60	3,807	4.88	14	0.00	0	0.00	0	0.00	0	0.00	0	35.51	18,182	0.00	0	89.12	37,451	420.23		
EB-10-3	42.75	19,237	0.00	0	1.97	6	0.00	0	0.00	0	0.00	0	0.00	0	0.99	506	0.00	0	15.83	5,092	321.72		
EB-10-4	10.16	4,572	0.00	0	1.22	4	0.00	0	0.00	0	0.00	0	0.00	0	0.01	7	0.00	0	35.79	28,613	799.54		
EB-10-5	11.70	5,267	22.10	23,333	0.24	1	3.83	1,073	6.85	3,510	0.00	0	0.00	0	8.11	4,154	0.00	0	44.92	20,130	448.09		
EB-10-6	36.30	16,336	0.00	0	3.78	1,057	0.00	0	0.00	0	0.00	0	0.00	0	18.05	9,241	0.33	343	84.74	48,542	572.81		
EB-10	70.09	31,539	0.00	0	1.81	5	0.00	0	0.00	0	0.00	0	0.00	0	27.93	14,300	2.63	2,781	100.67	41,216	409.41		
EB-11	39.89	17,949	15.55	16,425	3.70	11	0.00	0	0.00	0	0.00	0	0.00	0	101.18	51,803	28.98	30,582	132.83	82,956	624.54		
EB-12	47.20	21,240	1.69	1,785	6.21	19	0.00	0	3.35	1,717	0.00	0	0.00	0	0.75	383	2.72	2,870	5.28	3,258	817.13		
EB-13	0.73	329	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	11.15	5,710	2.91	3,073	22.93	11,329	494.08		
EB-14	0.00	0	0.00	0	0.31	1	0.00	0	0.00	0	0.00	0	0.00	0	8.30	4,250	0.00	0	76.37	32,112	420.48		
EB-15	1.82	818	0.00	0	0.20	1	0.00	0	0.00	0	0.00	0	0.00	0	2.00	1,024	2.90	3,082	42.34	41,189	972.81		
EB-16	61.87	27,844	0.00	0	8.49	19	0.00	0	9.37	4,799	0.00	0	0.00	0	20.07	10,275	0.00	0	28.45	19,908	488.90		
EB-17A	0.00	0	33.58	35,481	6.45	18	0.00	0	0.00	0	0.00	0	0.00	0	52.09	26,671	0.00	0	84.19	41,610	494.22		
EB-17B	8.07	3,632	0.00	0	5.86	18	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	6.81	163	24.01		
EB-18-1	22.63	10,140	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.05	27	0.00	0	18.06	4,795	298.59		
EB-18-2	0.32	144	0.00	0	1.29	4	0.00	0	0.00	0	0.00	0	0.00	0	9.44	4,831	0.00	0	54.58	22,527	412.71		
EB-18	10.66	4,752	0.00	0	0.73	2	0.00	0	0.00	0	0.00	0	0.00	0	0.05	23	0.00	0	5.70	2,567	450.49		
EB-19	39.28	17,878	0.00	0	1.63	5	0.00	0	0.00	0	0.00	0	0.00	0	5.70	2,918	0.00	0	22.88	10,070	440.15		
EB-20	5.65	2,544	0.00	0	1.55	1,639	17.32	52	0.00	0	0.00	0	0.00	0	7.86	4,025	0.00	0	17.65	9,497	538.06		
EB-21	15.88	7,148	0.00	0	22.15	66	0.00	0	0.00	0	0.00	0	0.00	0	42.13	21,573	0.00	0	15.57	7,801	501.17		
EB-22	12.83	5,774	2.99	3,162	37.31	112	0.00	0	0.00	0	0.00	0	0.00	0	27.05	13,851	0.00	0	63.29	24,291	383.78		
EB-23-1	4.36	1,962	1.71	1,809	10.58	32	0.00	0	0.00	0	0.00	0	0.00	0	11.69	5,986	0.00	0	84.06	29,601	352.14		
EB-23-2	2.28	1,027	0.00	0	1.19	4	0.00	0	0.00	0	0.00	0	0.00	0	1.27	651	0.00	0	75.14	17,859	237.68		
EB-23	34.85	15,883	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	7.69	3,939	0.00	0	19.37	4,064	209.85		
EB-24-1	26.14	11,761	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.27	651	0.00	0	8.95	3,973	443.87		
EB-24-2	7.51	3,381	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.27	651	0.00	0	8.95	3,973	443.87		
EB-24-3	0.07	30	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.27	651	0.00	0	8.95	3,973	443.87		
EB-24																							
Total:	985.93	443,668	84.30	89,024	245.02	735	13.47	3,771	116.83	59,817	0.00	0	1.96	243	790.44	404,703	40.45	42,712	2,276.38	1,044,672	458.92		

Franklin Watershed Water Quality Modeling																			City of Franklin SWMP Update-2002		
Pollutant Loadings (Lb./ac-yr)			Sediment																		
450			1056		3		280		512		280		124		512		1056				
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Instititutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)
FOX RIVER																					
	0.00	0	0.00	0	3.80	11	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	3.80	11	3.00
FX-1-1																					
FX-1	41.28	18,568	0.00	0	9.71	29	0.00	0	0.00	0	0.00	0	0.00	0	3.25	1,664	2.83	2,985	57.05	23,247	407.47
FX-2	76.97	34,835	1.25	1,320	11.51	35	16.68	4,670	0.00	0	7.39	2,070	0.00	0	8.43	4,317	0.00	0	122.23	47,046	384.90
FX-3	7.68	3,456	0.09	90	4.73	14	13.10	3,667	0.00	0	104.02	29,127	0.00	0	2.05	1,051	0.00	0	131.68	37,406	284.08
Total:	125.91	56,859	1.34	1,411	29.75	89	29.78	8,337	0.00	0	111.42	31,197	0.00	0	13.74	7,033	2.83	2,985	314.75	107,711	342.21
LOWER BRANCH																					
LB-1-1	3.91	1,760	0.08	89	0.00	0	14.57	4,079	0.00	0	0.00	0	0.00	0	0.55	283	0.00	0	19.11	6,210	324.91
LB-1	3.96	1,780	0.03	28	0.00	0	9.05	2,534	0.00	0	0.00	0	0.00	0	2.48	1,271	0.00	0	15.52	5,614	361.79
LB-2-1	8.92	4,014	2.63	2,773	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	11.54	6,786	687.82
LB-2-2	6.75	3,037	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	6.75	3,037	450.00
LB-2	150.94	67,923	4.35	4,596	25.59	77	0.00	0	0.00	0	0.00	0	0.00	0	2.97	1,520	0.00	0	183.85	74,115	403.13
Total:	174.47	78,514	7.09	7,485	25.59	77	23.62	6,613	0.00	0	0.00	0	0.00	0	6.00	3,074	0.00	0	236.77	95,762	404.45
MIDDLE BRANCH																					
MB-1-1	66.97	30,135	0.00	0	24.55	74	0.00	0	0.00	0	0.00	0	0.00	0	0.09	45	0.00	0	91.80	30,254	330.27
MB-1-2	101.44	45,647	0.03	37	34.49	103	11.89	3,330	0.00	0	0.00	0	0.00	0	0.00	1	0.00	0	147.86	40,118	332.20
MB-1-3	35.17	15,827	0.00	0	4.62	14	0.00	0	0.00	0	0.00	0	0.06	7	4.55	2,331	0.00	0	44.40	18,179	409.41
MB-1-4	10.50	4,724	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	36.96	4,583	3.06	1,564	0.00	0	50.51	10,872	215.22
MB-1-5	0.00	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	9.51	1,179	0.01	7	0.00	0	9.52	1,186	124.57
MB-1-6	34.91	15,710	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.71	88	3.92	2,008	0.00	0	39.55	17,806	450.23
MB-1-7	14.33	6,447	0.00	0	31.23	94	0.00	0	0.00	0	0.00	0	134.56	16,685	0.00	0	0.00	0	180.12	23,228	128.96
MB-1-8	1.55	696	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	46.42	5,632	0.00	0	0.00	0	46.97	6,328	134.73
MB-1-9A	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.01	1	9.84	5,040	0.00	0	9.85	5,041	511.79
MB-1-9B	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	8.90	4,554	0.00	0	8.90	4,554	512.00
MB-1-10	17.47	7,862	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	3.33	1,703	0.00	0	20.80	9,565	459.91
MB-1-11	113.99	51,294	0.15	155	8.13	24	5.09	1,426	0.00	0	0.00	0	0.00	0	2.43	1,245	0.00	0	129.78	54,144	417.18
MB-1-12A	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	34.15	17,485	0.00	0	34.15	17,485	512.00
MB-1-12B	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	34.86	17,850	0.00	0	34.86	17,850	512.00
MB-1-13	48.41	21,783	1.88	1,966	5.23	16	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	55.52	23,784	428.43
MB-1	110.50	49,726	0.00	0	47.17	142	0.00	0	0.00	0	0.00	0	0.00	0	7.42	3,798	0.00	0	165.09	53,666	325.07
Total:	555.23	249,852	2.06	2,179	155.42	466	18.98	4,755	0.00	0	0.00	0	227.23	28,176	112.56	57,630	0.00	0	1,069.48	343,059	320.77
NORTH BRANCH																					
NB-1	5.24	2,358	19.22	20,293	0.00	0	0.00	0	5.20	2,662	0.00	0	0.00	0	1.48	757	0.00	0	31.13	26,069	837.34
NB-2	1.87	840	0.97	1,024	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.81	414	0.89	728	4.33	3,006	693.52
Total:	7.11	3,198	20.19	21,317	0.00	0	0.00	0	5.20	2,662	0.00	0	0.00	0	2.29	1,171	0.89	728	35.47	29,075	819.77

Franklin Watershed Water Quality Modeling																					
Pollutant Loadings (Lb./ac-yr)																		City of Franklin SWMP Update-2002			
450			1056		3		280		512		280		124		512		1056				
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)
NORTH CENTRAL TRIBUTARY																					
NC-1	1.36	612	0.00	0	8.99	21	0.00	0	0.00	0	0.00	0	0.02	2	7.83	4,009	0.00	0	16.20	4,644	286.64
NC-2	50.60	22,770	0.00	0	6.29	19	0.00	0	0.00	0	0.00	0	0.00	0	20.87	10,688	0.00	0	77.76	39,477	430.50
NC-3	1.46	655	0.00	0	1.20	4	0.00	0	0.00	0	0.00	0	0.00	0	6.33	3,239	0.00	0	32.60	6,826	209.40
NC-4-1	5.00	2,251	0.00	0	4.17	13	0.00	0	0.00	0	0.00	0	0.00	0	4.90	2,510	0.00	0	9.91	4,781	480.69
NC-4-2	17.22	7,750	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	23.82	2,928	8.33	3,239	0.00	0	23.80	8,841	378.21
NC-4-3	0.06	25	0.00	0	2.70	8	0.00	0	0.00	0	0.00	0	0.00	0	0.04	23	0.00	0	38.27	18,219	476.04
NC-4-4	14.30	6,438	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	35.52	18,185	0.00	0	130.47	65,914	505.20
NC-5	28.27	12,722	0.00	0	4.10	12	0.00	0	0.00	0	0.00	0	0.00	0	116.17	59,478	0.00	0	174.51	47,045	269.58
NC-6	8.23	3,705	0.00	0	0.01	0	0.00	0	10.42	5,334	0.00	0	99.14	12,294	32.58	16,893	0.00	0	38.82	18,334	497.97
NC-7-1	1.87	752	0.00	0	2.21	7	0.00	0	0.00	0	0.00	0	0.00	0	28.57	14,629	0.00	0	13.14	5,502	418.66
NC-7-2	0.04	19	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	9.26	4,744	0.00	0	28.37	14,527	512.00
NC-7-3	42.58	19,162	17.18	18,138	6.80	20	0.00	0	0.00	0	0.00	0	0.00	0	28.37	14,527	0.00	0	41.60	144	3.45
NC-7-4	0.85	382	25.44	26,864	0.09	0	0.00	0	0.00	0	0.00	0	0.00	0	63.94	32,736	5.33	5,629	135.83	75,886	557.22
NC-7-5	29.42	13,239	2.85	3,010	9.97	30	0.00	0	0.00	0	0.00	0	0.00	0	6.51	3,334	1.15	1,209	34.03	31,790	934.08
NC-7-6	20.09	9,042	0.00	0	9.95	30	0.00	0	0.00	0	0.00	0	0.00	0	3.40	1,740	10.19	10,762	55.83	28,780	515.53
NC-7-7	48.21	21,694	0.00	0	2.28	7	0.00	0	0.00	0	0.00	0	0.00	0	3.39	1,735	5.33	5,627	38.76	16,434	423.98
NC-7-8	24.53	11,039	0.00	0	1.12	3	0.00	0	0.00	0	0.00	0	0.00	0	10.30	5,273	14.23	15,025	74.99	41,999	560.05
NC-8	50.40	22,682	0.00	0	1.08	3	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	2.02	2,137	27.68	13,179	476.16
NC-9	1.31	590	0.00	0	5.02	16	0.00	0	0.00	0	0.00	0	0.00	0	12.08	6,184	7.74	8,173	71.31	37,042	519.49
NC-10	3.98	1,791	0.00	0	8.44	25	0.00	0	0.00	0	0.00	0	0.00	0	14.22	7,281	0.00	0	20.55	7,886	383.71
NC-11-1	6.01	2,704	0.00	0	5.23	16	0.00	0	0.00	0	0.00	0	0.00	0	0.75	383	1.26	1,327	14.43	3,527	244.39
NC-11	34.16	15,373	0.00	0	0.49	1	0.00	0	0.00	0	0.00	0	0.00	0	30.87	15,804	0.00	0	42.11	18,524	439.93
NC-12-1	33.96	15,283	0.00	0	4.50	14	0.00	0	0.00	0	0.00	0	0.00	0	37.58	19,209	0.00	0	72.23	34,814	479.23
NC-12-2	16.27	7,321	0.00	0	3.59	11	0.00	0	0.00	0	0.00	0	0.00	0	7.01	3,687	0.00	0	45.47	18,884	415.31
NC-12-3	36.60	16,471	0.00	0	15.53	47	0.00	0	0.00	0	0.00	0	0.00	0	16.59	8,495	2.66	2,814	39.12	18,642	478.69
NC-12-4	21.82	9,729	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	25.21	12,906	0.00	0	77.34	29,424	380.47
NC-12-5	7.13	3,211	5.18	5,444	8.00	24	0.00	0	0.00	1	0.00	0	0.00	0	1.67	854	0.00	0	23.29	10,584	454.44
NC-13-1	0.00	0	0.45	473	0.00	0	0.00	0	0.01	7	0.00	0	0.00	0	39.41	20,177	4.18	4,409	63.89	33,271	520.76
NC-13-2	68.77	30,946	5.88	6,206	69.29	208	0.00	0	3.72	1,903	0.00	0	0.02	2	6.64	3,351	2.15	2,272	9.16	6,098	665.54
NC-13-3	0.00	0	1.14	1,207	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	9.70	4,966	15.70	16,574	173.05	60,804	351.37
NC-13-4	0.82	367	3.42	3,613	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	10.35	5,300	2.39	2,528	13.89	9,035	850.53
NC-13-5	0.00	0	0.00	0	1.34	4	0.00	0	0.00	0	0.00	0	0.00	0	7.38	3,778	3.39	3,675	16.00	11,333	755.46
NC-14	23.11	10,400	0.02	21	13.79	41	0.00	0	0.00	0	0.00	0	0.00	0	20.49	10,491	0.29	304	22.11	10,800	488.35
NC-14-1	7.30	3,285	0.00	0	1.16	3	0.00	0	12.79	6,549	0.00	0	10.23	1,268	53.72	27,506	7.29	7,697	120.95	53,483	442.18
NC-14-2	63.83	28,722	3.21	3,389	18.42	55	0.77	217	0.00	0	0.00	0	0.00	0	0.00	0	1.67	1,761	10.13	5,049	498.64
NC-14-3	3.04	1,367	0.00	0	2.30	7	0.00	0	0.00	0	0.00	0	0.00	0	15.53	7,952	7.86	8,304	109.62	48,838	443.69
NC-14-4	26.80	12,062	2.28	2,388	2.87	9	0.00	0	0.00	0	0.00	0	0.00	0	0.89	454	1.73	1,822	7.95	3,650	459.31
NC-14-5	7.44	3,347	0.00	0	1.60	8	0.00	0	0.00	0	0.00	0	0.00	0	11.95	6,120	4.30	4,542	48.19	25,121	521.33
NC-14-6	39.28	17,676	0.98	1,032	22.35	67	7.16	2,005	0.00	0	0.00	0	0.00	0	7.92	4,055	0.00	0	16.95	7,408	436.85
NC-14-7	12.17	5,474	0.00	0	4.78	14	4.00	1,120	0.00	0	0.00	0	0.00	0	13.34	6,830	3.86	3,883	86.76	31,473	362.74
NC-14-8	5.20	2,333	0.00	0	2.33	7	1.78	498	0.00	0	0.00	0	0.00	0	2.58	1,320	0.91	983	24.44	8,892	363.82
NC-14-9	90.03	40,513	0.00	0	35.44	108	0.00	0	0.00	0	0.00	0	0.00	0	0.33	189	1.57	1,655	11.20	4,668	416.76
NC-14-10	23.14	10,413	0.38	397	35.24	108	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	2.79	2,948	138.19	47,848	346.23
NC-15-1	37.07	16,683	0.00	0	12.85	39	0.00	0	0.00	0	0.00	0	2.08	258	7.88	4,022	2.23	2,356	82.94	14,270	226.73
NC-15-2	4.86	2,189	0.00	0	7.22	22	0.00	0	0.00	0	0.00	0	0.00	0	1.95	999	0.00	0	52.26	17,921	342.90
NC-15-3	19.11	8,800	0.00	0	10.95	33	0.00	0	0.00	0	0.00	0	0.00	0	2.34	1,200	0.00	0	2.57	1,314	451.53
NC-15-4	2.50	1,123	0.00	0	0.03	0	0.00	0	0.00	0	0.00	0	0.00	0	2.12	1,089	1.83	1,936	6.49	4,148	839.39
NC-15-5	13.87	6,241	5.98	6,313	18.61	56	0.00	0	0.00	0	0.00	0	0.00	0	4.01	2,052	7.47	7,886	49.93	22,547	451.56
Total:	953.68	429,155	74.33	78,498	411.85	1,238	13.72	3,840	29.01	14,851	0.00	0	135.10	16,752	772.83	395,690	125.08	132,090	2,515.80	1,072,109	426.18

Franklin Watershed Water Quality Modeling																			City of Franklin SWMP Update-2002				
Pollutant Loadings (Lb./ac-yr)																			Sediment				
450			1056		3		280		512		280		124		512		1056						
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	Mine/Dump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)		
NORTH-CENTRAL TRIBUTARY																							
NC-1	1.36	612	0.00	0	6.99	21	0.00	0	0.00	0	0.00	0	0.02	2	7.83	4,009	0.00	0	16.20	4,644	286.64		
NC-2	50.80	22,770	0.00	0	6.29	19	0.00	0	0.00	0	0.00	0	0.00	0	20.87	10,688	0.00	0	77.78	33,477	430.60		
NC-3	1.46	655	0.00	0	1.20	4	0.00	0	0.00	0	0.00	0	23.62	2,928	6.33	3,239	0.00	0	32.60	6,828	209.40		
NC-4-1	5.00	2,251	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	4.90	2,510	0.00	0	9.91	4,761	480.69		
NC-4-2	17.22	7,750	0.00	0	4.17	13	0.00	0	2.06	1,056	0.00	0	0.00	0	0.04	23	0.00	0	23.50	8,841	376.21		
NC-4-3	0.06	25	0.00	0	2.70	8	0.00	0	0.00	0	0.00	0	0.00	0	35.52	18,185	0.00	0	38.27	18,219	476.04		
NC-4-4	14.30	6,436	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	116.17	59,478	0.00	0	130.47	65,914	505.20		
NC-4	28.27	12,722	0.00	0	4.10	12	0.00	0	10.42	5,334	0.00	0	99.14	12,294	32.58	16,683	0.00	0	174.51	47,045	269.58		
NC-5	8.23	3,705	0.00	0	0.01	0	0.00	0	0.00	0	0.00	0	0.00	0	28.67	14,629	0.00	0	36.82	18,334	497.97		
NC-6	1.87	752	0.00	0	2.21	7	0.00	0	0.00	0	0.00	0	0.00	0	9.26	4,744	0.00	0	13.14	5,502	418.66		
NC-7-1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	28.37	14,527	0.00	0	28.37	14,527	512.00		
NC-7-2	0.04	19	0.00	0	41.56	125	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	41.60	144	3.45		
NC-7-3	42.58	19,162	17.18	18,138	6.80	20	0.00	0	0.00	0	0.00	0	0.00	0	63.94	32,736	5.33	5,629	135.83	75,686	557.22		
NC-7-4	0.85	382	25.44	26,864	0.09	0	0.00	0	0.00	0	0.00	0	0.00	0	6.51	3,334	1.15	1,209	34.03	31,790	934.08		
NC-7-5	29.42	13,239	2.85	3,010	9.97	30	0.00	0	0.00	0	0.00	0	0.00	0	3.40	1,740	10.19	10,762	55.83	28,780	515.53		
NC-7-6	20.09	9,042	0.00	0	9.95	30	0.00	0	0.00	0	0.00	0	0.00	0	3.39	1,735	5.33	5,627	38.76	16,434	423.98		
NC-7-7	48.21	21,894	0.00	0	2.26	7	0.00	0	0.00	0	0.00	0	0.00	0	10.30	5,273	14.23	15,025	74.99	41,999	560.05		
NC-7-8	24.63	11,039	0.00	0	1.12	3	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	2.02	2,137	27.68	13,179	476.16		
NC-7	50.40	22,662	0.00	0	1.08	3	0.00	0	0.00	0	0.00	0	0.00	0	12.08	6,184	7.74	8,173	71.31	37,042	519.49		
NC-8	1.31	590	0.00	0	5.02	15	0.00	0	0.00	0	0.00	0	0.00	0	14.22	7,281	0.00	0	20.55	7,886	383.71		
NC-9	3.98	1,791	0.00	0	8.44	25	0.00	0	0.00	0	0.00	0	0.00	0	0.75	383	1.26	1,327	14.43	3,527	244.39		
NC-10	6.01	2,704	0.00	0	5.23	16	0.00	0	0.00	0	0.00	0	0.00	0	30.87	15,804	0.00	0	42.11	18,524	439.93		
NC-11-1	34.16	16,373	0.00	0	0.49	1	0.00	0	0.00	1	0.00	0	0.00	0	37.58	19,239	0.00	0	72.23	34,614	479.23		
NC-11	33.96	15,283	0.00	0	4.60	14	0.00	0	0.00	0	0.00	0	0.00	0	7.01	3,587	0.00	0	45.47	18,884	416.31		
NC-12-1	16.27	7,321	0.00	0	3.69	11	0.00	0	0.00	0	0.00	0	0.00	0	16.69	8,495	2.66	2,814	39.12	18,642	476.68		
NC-12-2	36.60	16,471	0.00	0	15.53	47	0.00	0	0.00	0	0.00	0	0.00	0	25.21	12,906	0.00	0	77.34	29,424	380.47		
NC-12-6	21.62	9,729	0.00	0	0.00	0	0.00	0	0.00	1	0.00	0	0.00	0	1.67	854	0.00	0	23.29	10,584	454.44		
NC-12	7.13	3,211	5.16	5,444	8.00	24	0.00	0	0.01	7	0.00	0	0.00	0	39.41	20,177	4.18	4,409	63.89	33,271	520.76		
NC-13-1	0.00	0	0.45	473	0.00	0	0.00	0	0.00	0	0.00	0	0.02	2	6.54	3,351	2.15	2,272	9.16	6,098	665.54		
NC-13-2	68.77	30,946	5.88	6,206	69.29	208	0.00	0	3.72	1,903	0.00	0	0.00	0	9.70	4,966	15.70	16,674	173.05	60,804	351.37		
NC-13-3	0.00	0	1.14	1,207	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	10.35	5,300	2.39	2,528	13.89	9,035	650.53		
NC-13-4	0.82	367	3.42	3,613	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	7.38	3,778	3.39	3,576	15.00	11,333	755.46		
NC-13-15	0.00	0	0.00	0	1.34	4	0.00	0	0.00	0	0.00	0	0.00	0	20.49	10,491	0.29	304	22.11	10,800	488.35		
NC-13	23.11	10,400	0.02	21	13.79	41	0.00	0	12.79	6,549	0.00	0	10.23	1,268	53.72	27,506	7.29	7,697	120.95	53,483	442.18		
NC-14-1	7.30	3,285	0.00	0	1.16	3	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.67	1,761	10.13	5,049	488.64		
NC-14-2	63.83	28,722	3.21	3,389	18.42	55	0.77	217	0.00	0	0.00	0	0.00	0	15.53	7,952	7.86	8,304	109.62	48,838	443.69		
NC-14-3	3.04	1,367	0.00	0	2.30	7	0.00	0	0.00	0	0.00	0	0.00	0	0.89	454	1.73	1,822	7.95	3,650	459.31		
NC-14-4	26.80	12,062	2.26	2,388	2.87	9	0.00	0	0.00	0	0.00	0	0.00	0	11.95	6,120	4.30	4,542	48.19	25,121	521.33		
NC-14-5	7.44	3,347	0.00	0	1.60	5	0.00	0	0.00	0	0.00	0	0.00	0	7.92	4,055	0.00	0	16.95	7,406	436.85		
NC-14-6	39.28	17,675	0.98	1,032	22.36	67	7.16	2,005	0.00	0	0.00	0	0.00	0	13.34	6,830	3.66	3,863	86.76	31,473	362.74		
NC-14-7	12.17	5,474	0.00	0	4.78	14	4.00	1,120	0.00	0	0.00	0	0.00	0	2.58	1,320	0.91	963	24.44	8,892	363.82		
NC-14-8	5.20	2,338	0.00	0	2.33	7	1.78	498	0.00	0	0.00	0	0.00	0	0.33	169	1.57	1,655	11.20	4,666	416.76		
NC-14-9	90.03	40,513	0.00	0	35.44	106	0.00	0	0.00	0	0.00	0	2.08	258	7.86	4,022	2.79	2,948	138.19	47,848	346.23		
NC-14-10	23.14	10,413	0.38	397	35.24	106	0.00	0	0.00	0	0.00	0	0.00	0	1.95	999	2.23	2,356	62.94	14,270	226.73		
NC-14	37.07	16,683	0.00	0	12.65	39	0.00	0	0.00	0	0.00	0	0.00	0	2.34	1,200	0.00	0	52.26	17,921	342.90		
NC-15-1	4.86	2,189	0.00	0	7.22	22	0.00	0	0.00	0	0.00	0	0.00	0	27.89	14,280	2.58	2,726	42.56	19,217	451.53		
NC-15-2	19.11	8,800	0.00	0	10.95	33	0.00	0	0.00	0	0.00	0	0.00	0	2.57	1,314	1.20	1,284	33.82	11,210	331.47		
NC-15-3	2.50	1,123	0.00	0	0.03	0	0.00	0	0.00	0	0.00	0	0.00	0	2.12	1,088	1.83	1,938	8.49	4,148	639.39		
NC-15	13.87	6,241	5.98	6,313	18.61	58	0.00	0	0.00	0	0.00	0	0.00	0	4.01	2,052	7.47	7,886	49.93	22,547	451.56		
Total:	953.68	429,155	74.33	78,498	411.85	1,236	13.72	3,840	29.01	14,851	0.00	0	135.10	16,752	772.83	395,690	125.08	132,090	2,515.80	1,072,109	426.18		

City of Franklin SWMP Update-2002																					
Pollutant Loadings (Lb./ac-yr)																					
450		1056		3		280		512		280		124		512		1056					
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)
ORCHARD VIEW TRIBUTARY																					
OV-1-1	0.32	143	0.00	0	3.82	11	0.00	0	0.00	0	0.00	0	0.30	37	98.79	50,579	0.00	0	103.22	50,770	491.88
OV-1	26.44	11,899	0.00	0	0.17	1	0.00	0	0.00	0	0.00	0	0.00	0	2.73	1,397	0.00	0	29.34	13,297	453.15
Total:	26.76	12,042	0.00	0	3.99	12	0.00	0	0.00	0	0.00	0	0.30	37	101.52	51,977	0.00	0	132.57	64,088	483.29
RYAN CREEK																					
RC-1	41.71	18,768	0.00	0	15.85	48	0.00	0	0.00	0	0.00	0	4.20	521	1.37	704	0.00	0	83.14	20,040	317.41
RC-2	0.05	23	0.00	0	16.97	48	0.00	0	0.00	0	0.00	0	0.00	0	10.34	5,292	0.00	0	26.36	5,363	203.48
RC-3-1	7.58	3,413	0.00	0	0.00	0	0.00	0	0.04	20	0.00	0	1.94	241	0.00	0	1.26	1,334	10.83	5,007	462.42
RC-3-2	3.44	1,548	0.00	0	0.00	0	0.00	0	3.18	1,620	0.00	0	1.86	231	0.00	0	0.47	495	8.93	3,893	435.88
RC-3-3	2.34	1,052	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.11	55	0.35	370	3.97	2,078	523.55
RC-3-4	73.10	32,397	1.51	1,599	2.87	9	0.00	0	1.17	602	0.00	0	0.00	0	5.70	2,920	4.10	4,333	87.30	41,757	478.34
RC-3	183.85	82,734	3.07	3,246	6.99	21	0.00	0	0.00	0	0.00	0	0.00	0	23.50	12,031	0.65	687	218.07	98,719	492.70
RC-4	49.13	22,109	0.00	0	9.96	30	0.00	0	0.59	303	0.00	0	0.00	0	10.09	5,166	5.96	6,292	63.28	23,121	365.37
RC-5-1	25.78	11,599	0.00	0	21.46	64	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	2.97	3,133	31.47	13,308	422.95
RC-5-2	22.57	10,158	0.00	0	5.93	18	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.15	1,218	80.84	23,660	388.90
RC-5-3	22.65	10,194	0.00	0	0.01	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
RC-5-4	2.53	1,137	0.00	0	16.59	50	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
RC-5	35.28	15,876	0.00	0	26.48	79	0.00	0	0.00	0	0.00	0	0.00	0	54.72	28,019	0.00	0	77.38	38,213	493.81
RC-6	48.73	21,928	0.00	0	53.29	160	0.00	0	0.00	0	0.00	0	0.00	0	0.48	244	1.83	1,932	21.42	3,363	166.96
RC-7	84.26	37,916	0.00	0	5.80	17	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
RC-8	27.53	12,390	0.00	0	0.31	1	0.00	0	0.00	0	0.00	0	0.00	0	3.11	1,594	0.00	0	105.13	23,682	225.26
RC-9-2	117.55	52,899	0.00	0	30.95	93	0.00	0	0.00	0	0.00	0	0.00	0	0.76	388	0.00	0	90.82	38,321	421.95
RC-9	76.08	34,238	0.00	0	2.85	9	0.00	0	0.00	0	0.00	0	0.00	0	3.18	1,628	0.00	0	31.02	14,019	451.91
RC-10	116.44	52,399	0.00	0	4.29	13	0.00	0	0.00	0	0.00	0	0.00	0	9.77	5,001	0.00	0	158.27	57,993	366.41
RC-10-1	12.94	5,823	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.05	837	0.00	0	79.98	34,784	434.90
RC-11-1	200.13	90,060	0.00	0	28.28	85	0.00	0	0.00	0	0.00	0	0.00	0	0.54	278	0.00	0	121.28	52,690	434.46
RC-11	223.03	100,368	0.00	0	59.42	178	0.00	0	0.00	0	0.00	0	0.00	0	0.02	12	0.00	0	12.96	5,835	450.11
RC-12	29.71	13,371	0.00	0	0.88	3	0.00	0	0.00	0	0.00	0	0.00	0	12.49	6,395	0.00	0	240.90	96,540	400.74
RC-13-1	38.02	16,210	0.00	0	5.13	15	0.00	0	0.00	0	0.00	0	0.00	0	16.09	8,237	0.00	0	298.54	108,781	364.37
RC-13	1.02	468	0.00	0	0.01	0	0.00	0	0.00	0	0.00	0	0.00	0	0.28	144	0.00	0	30.88	13,517	437.79
RC-14-1	19.00	8,550	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.97	498	0.00	0	42.13	16,723	398.96
RC-14	99.89	44,952	0.00	0	4.28	13	0.00	0	0.00	0	0.00	0	0.00	0	5.37	2,747	0.00	0	6.39	3,205	501.38
RC-15	19.71	8,870	0.00	0	2.15	8	0.00	0	0.00	0	0.00	0	0.00	0	9.51	4,870	3.13	3,303	31.64	16,723	528.55
RC-16-1	38.00	17,099	0.00	0	3.13	9	1.74	487	0.00	0	0.00	0	0.00	0	3.90	1,994	2.72	2,873	108.29	48,561	448.35
RC-16-2	87.18	39,231	0.00	0	0.87	3	0.00	0	0.00	0	0.00	0	0.00	0	1.15	587	2.15	2,271	27.91	13,142	470.95
RC-16	90.11	40,548	1.78	1,862	10.31	31	0.00	0	0.00	0	0.00	0	0.00	0	2.68	1,320	1.18	1,243	45.19	19,426	429.83
RC-17	36.89	16,601	0.00	0	0.60	2	0.00	0	0.00	0	0.00	0	0.00	0	0.16	81	2.64	2,791	92.26	42,277	458.23
RC-18-1	33.04	14,869	0.00	0	34.58	104	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.61	1,701	104.98	45,313	431.65
RC-18-2	168.63	75,883	0.00	0	14.81	44	0.00	0	0.00	0	0.00	0	0.00	0	2.87	1,467	0.00	0	49.30	18,335	371.91
RC-18-3	0.00	0	0.00	0	9.95	30	0.00	0	0.00	0	0.00	0	0.00	0	7.72	3,951	0.00	0	36.41	16,338	448.69
RC-18-4	51.49	23,172	0.00	0	60.67	182	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.01	11	210.92	79,938	378.99
RC-18-5	55.12	24,804	0.00	0	31.81	95	1.11	310	0.00	0	0.00	0	0.00	0	8.57	4,389	0.00	0	14.82	55	3.75
RC-18-6	66.89	30,192	0.68	722	21.24	64	0.27	78	0.00	0	0.00	0	0.00	0	0.00	2	0.00	0	70.01	27,590	394.07
RC-18-7	63.52	28,582	0.09	93	4.14	12	0.00	0	0.00	0	0.00	0	0.00	0	7.69	3,939	0.00	0	115.79	24,988	215.80
RC-18-8	10.11	4,551	0.00	0	1.31	4	0.00	0	0.00	0	0.00	0	0.00	0	1.60	817	0.01	9	108.19	35,169	325.08
RC-18-9	9.63	4,287	0.00	0	49.87	149	0.00	0	0.00	0	0.00	0	0.00	0	4.35	2,226	0.00	0	86.72	29,642	341.80
RC-18-10	81.22	36,549	0.80	844	7.82	23	0.00	0	0.00	0	0.00	0	0.00	0	0.13	69	0.00	0	15.77	6,781	430.08
RC-18-11	51.13	23,029	0.00	0	4.29	13	0.00	0	0.00	0	0.00	0	0.00	0	18.36	9,402	0.00	0	13.80	4,368	316.83
RC-18-12	18.37	7,364	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	3.57	1,826	0.00	0	62.36	24,878	398.95
RC-18	35.30	15,886	1.38	1,434	8.09	24	0.00	0	0.00	0	0.00	0	0.00	0	8.67	4,439	0.00	0	30.65	11,981	380.90
Total:	2,476.68	1,114,495	9.28	9,799	593.31	1,780	3.12	873	4.97	2,544	0.00	0	9.33	1,157	249.70	127,847	33.83	35,721	3,380.20	1,294,217	382.88

Franklin Watershed Water Quality Modeling																			City of Franklin SWMP Update 2002					
Pollutant Loadings (Lb./ac-yr)																			Sediment					
	450		1056		3		280		512		280		124		512		1056							
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)			
ROOT RIVER																								
RR-1	86.76	39,039	0.00	0	74.59	224	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	161.35	39,263	243.35			
RR-2	77.96	35,081	0.00	0	49.75	149	0.00	0	0.00	0	0.00	0	0.00	0	5.45	2,791	0.00	0	133.16	38,021	285.54			
RR-3	69.93	31,467	0.00	0	14.67	44	0.00	0	0.00	0	0.00	0	0.00	0	8.89	4,550	0.00	0	93.48	36,061	386.76			
RR-4	66.86	25,582	0.00	0	19.97	80	0.00	0	0.00	0	0.00	0	0.00	0	6.55	3,356	0.00	0	83.37	28,998	347.80			
RR-5-1	14.45	6,504	0.00	0	0.00	0	4.18	1,170	0.00	0	0.00	0	0.00	0	3.22	1,649	0.00	0	21.85	9,323	426.63			
RR-5-2	2.68	1,207	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.14	74	0.00	0	2.83	1,281	453.18			
RR-5	48.27	21,723	0.00	0	39.23	118	0.00	0	0.00	0	0.00	0	0.00	0	1.36	695	0.00	0	88.86	22,536	253.61			
RR-6	6.83	3,072	0.00	0	18.11	54	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	24.93	3,126	125.39			
RR-7	0.00	0	0.00	0	43.84	131	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	43.84	131	3.00			
RR-8	7.08	3,185	0.00	0	12.42	37	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	19.50	3,222	165.25			
RR-9-1	44.20	19,891	1.06	1,117	4.53	14	68.13	19,076	0.00	0	0.00	0	0.00	0	4.59	2,353	0.00	0	122.52	42,450	348.48			
RR-9-2A	0.00	0	0.00	0	0.05	0	8.99	1,957	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	7.04	1,957	278.07			
RR-9-2B	4.64	2,088	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	4.46	2,088	468.16			
RR-9	24.84	11,180	0.00	0	4.57	14	0.00	0	0.00	0	0.00	0	0.00	0	3.34	1,711	0.00	0	32.75	12,904	394.01			
RR-10	0.00	0	0.00	0	20.88	63	0.00	0	0.00	0	0.00	0	1.14	141	0.00	0	0.00	0	22.02	203	9.24			
RR-11-1	1.71	770	9.20	9,716	0.00	0	32.31	9,187	0.00	0	0.00	0	0.00	0	0.00	0	3.28	3,465	47.00	23,138	492.26			
RR-11-2	100.66	45,296	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	2.64	2,790	103.30	48,086	465.50			
RR-11	55.43	24,945	2.11	2,227	73.58	221	18.07	5,059	0.00	0	0.00	0	0.00	0	6.29	3,220	1.55	1,640	157.03	37,312	237.61			
RR-12	176.68	79,497	1.02	1,082	154.71	464	4.29	1,201	0.00	0	0.00	0	0.00	0	9.56	4,893	5.43	5,736	351.67	92,873	264.09			
RR-13-1	108.28	48,727	0.73	766	0.66	2	0.00	0	22.99	11,773	1.11	310	15.05	1,867	2.66	1,360	3.67	3,875	155.14	68,679	442.68			
RR-13	70.24	31,607	0.00	0	50.52	162	0.00	0	5.35	2,738	0.00	0	0.00	0	0.00	0	2.07	2,183	128.17	36,679	286.18			
RR-14-1	38.52	17,334	3.22	3,403	9.15	27	0.00	0	0.00	0	0.00	0	0.00	0	10.81	5,432	0.00	0	61.51	26,197	425.92			
RR-14-2	28.95	13,030	0.71	745	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.77	907	1.05	1,107	32.48	15,788	486.10			
RR-14	82.34	37,053	1.90	2,009	13.12	39	0.00	0	0.00	0	0.00	0	0.72	89	4.88	2,497	5.41	5,710	108.37	47,398	437.37			
RR-15-1	7.75	3,487	0.00	0	3.04	9	0.00	0	0.00	0	0.00	0	5.45	676	0.00	0	0.00	0	16.24	4,172	256.84			
RR-15-2	5.91	2,658	0.00	0	6.18	19	0.00	0	0.00	0	0.00	0	0.00	0	1.09	556	0.00	0	13.18	3,233	245.31			
RR-15-3	38.09	17,139	0.00	0	0.37	1	0.00	0	0.00	0	0.00	0	0.00	0	4.73	2,423	0.00	0	43.19	19,563	453.00			
RR-15	167.27	70,770	0.00	0	13.33	40	0.00	0	0.00	0	0.00	0	22.59	2,801	0.49	251	0.00	0	193.68	73,662	381.37			
RR-16	26.81	12,063	0.00	0	14.78	44	0.00	0	0.00	0	0.00	0	0.00	0	0.34	172	0.00	0	41.90	12,280	293.04			
RR-17	58.92	26,514	0.00	0	27.40	82	0.00	0	0.00	0	0.00	0	0.00	0	2.41	1,234	0.00	0	88.73	27,830	313.63			
RR-18-1	0.16	72	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	27.58	14,113	0.00	0	27.72	14,185	511.84			
RR-18-2	13.78	6,203	0.00	0	0.63	2	0.00	0	0.00	0	0.00	0	0.00	0	15.21	7,789	0.00	0	29.63	13,994	472.36			
RR-18	129.92	58,465	0.00	0	28.71	88	0.00	0	1.26	644	0.00	0	0.00	0	0.00	0	0.00	0	159.89	59,195	370.22			
RR-19	11.51	5,180	0.00	0	17.75	53	0.00	0	0.00	0	0.00	0	0.00	0	9.50	4,863	0.00	0	38.78	10,096	280.51			
RR-20	13.67	6,106	0.00	0	7.04	21	0.00	0	0.00	0	0.00	0	6.45	800	24.27	12,424	0.00	0	61.33	19,351	376.98			
RR-21	101.04	45,469	1.23	1,303	27.77	83	1.62	465	0.00	0	240.28	67,279	0.00	0	8.32	4,258	8.62	9,107	388.89	127,954	329.02			
RR-22-1	17.63	7,934	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	26.93	13,790	0.00	0	44.56	21,724	487.47			
RR-22	51.41	23,135	0.00	0	8.85	27	0.00	0	0.00	0	0.00	0	0.00	0	18.17	9,303	0.00	0	78.43	32,464	413.90			
RR-23-1	0.04	19	0.00	0	0.01	0	0.00	0	0.00	0	0.00	0	0.00	0	45.06	23,071	0.00	0	45.11	23,089	511.84			
RR-23	43.18	19,431	0.00	0	14.12	42	0.00	0	0.00	0														

Franklin watershed Water Quality Modeling																					
Pollutant Loadings (Lb./ac-yr)																		City of Franklin SWMP Update-2002			
450			1056		3			280		512		280		124		512		1056			
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residental Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)
ROOT RIVER CANAL																					
RRC-1	2.12	953	0.00	0	20.16	60	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	22.27	1,014	45.61
RRC-2	92.75	41,737	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	98.67	44,768	453.72
RRC-3-1	25.85	11,633	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	12.248	207.22	
RRC-3	69.76	31,392	0.00	0	32.24	97	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	59.10	12,248	207.22
RRC-4	17.50	7,875	0.00	0	0.34	1	0.00	0	0.00	0	0.00	0	0.00	0	5.92	3,031	0.00	0	60.58	11,845	192.23
RRC-5	1.97	865	0.00	0	35.93	108	0.00	0	0.00	0	0.00	0	0.00	0	1.01	518	0.00	0	72.18	32,461	449.70
RRC-6	59.36	26,714	0.00	0	34.10	102	0.00	0	0.00	0	0.00	0	0.00	0	2.09	1,068	0.00	0	36.48	1,198	32.83
Total:	269.31	121,190	0.00	0	8.33	19	0.00	0	0.00	0	0.00	0	0.00	0	7.15	3,662	0.00	0	65.72	26,741	406.93
LESS CORNERS CREEK																					
TC-1	5.02	2,259	0.00	0	16.22	49	0.00	0	0.00	0	0.00	0	0.00	0	16.60	8,497	0.00	0	415.00	130,074	313.43
TC-2	0.20	92	0.00	0	60.20	181	0.00	0	0.00	0	0.00	0	0.15	19	1.43	733	0.00	0	22.83	3,060	134.06
TC-3	53.82	24,220	0.00	0	101.54	305	0.00	0	0.00	0	0.00	0	149.95	18,594	0.00	0	0.00	0	210.35	18,866	89.69
TC-4-1	28.43	12,795	0.00	0	76.50	230	0.00	0	0.00	0	0.00	0	21.70	2,691	124.70	63,847	5.84	8,170	307.61	97,232	318.09
TC-4-3A	0.00	0	0.00	0	0.00	0	0.00	0	6.50	3,330	0.00	0	0.00	0	0.00	0	0.00	0	172.62	58,282	337.64
TC-4-3B	15.45	6,955	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	41.68	21,339	19.60	20,589	25.11	13,399	533.73
TC-4-4	21.45	9,652	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.61	823	3.31	3,492	8.24	3,197	512.03
TC-4	2.07	931	0.00	0	0.08	0	0.00	0	0.00	0	0.00	0	0.00	0	6.24	3,197	0.00	0	15.46	6,955	450.00
TC-4-5	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	37.29	18,317	491.25
TC-5	7.28	3,275	6.18	6,523	0.00	0	0.00	0	0.00	0	0.00	0	1.81	224	0.00	0	11.08	1,162	35.22	12,304	349.30
TC-6	2.29	1,032	0.00	0	6.24	19	0.00	0	0.72	368	0.00	0	20.85	2,586	10.03	5,136	4.34	4,582	42.05	31,804	756.36
TC-7	0.00	0	0.00	0	20.91	63	0.00	0	0.00	0	0.00	0	0.00	0	14.34	7,340	13.54	14,299	11.56	4,133	357.47
TC-8-1A	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.21	110	2.81	2,972	43.14	13,495	312.79
TC-8-1B	17.64	7,895	2.98	3,145	0.00	0	16.34	4,574	0.00	0	0.00	0	0.00	0	1.18	605	3.77	3,978	11.56	4,133	357.47
TC-8	30.81	13,863	0.00	0	4.18	13	0.00	0	0.49	251	0.00	0	0.00	0	0.00	0	0.00	0	18.34	4,674	280.01
TC-9-1	5.38	2,411	0.00	0	2.82	8	0.00	0	0.00	0	0.00	0	0.00	0	34.51	17,670	3.38	3,570	58.91	32,531	552.26
TC-9-2	0.20	92	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	7.68	3,933	1.68	1,778	44.35	19,587	441.64
TC-9-3	6.63	2,985	0.00	0	6.97	21	0.00	0	7.27	3,722	0.00	0	0.00	0	19.91	10,193	0.00	0	28.09	12,612	449.02
TC-9	0.00	0	0.11	117	23.35	70	0.00	0	0.00	0	0.00	0	0.58	72	29.11	14,903	0.00	0	37.16	18,789	505.67
TC-10	9.83	4,425	0.00	0	3.13	9	0.00	0	8.54	4,373	0.00	0	0.00	0	70.98	36,341	0.00	0	84.58	39,346	485.17
TC-11-1	7.45	3,353	0.00	0	4.42	13	0.00	0	0.00	0	0.00	0	0.00	0	80.63	41,282	2.53	2,674	115.16	48,517	421.29
TC-11-2	23.84	10,728	0.00	0	13.29	40	0.00	0	0.00	0	0.00	0	0.00	0	2.55	1,305	0.00	0	15.51	5,740	370.10
TC-11-3	0.83	285	1.80	1,891	0.00	0	0.00	0	3.92	2,005	0.00	0	0.00	0	0.78	388	0.02	0	12.66	3,777	298.47
TC-11-4	58.15	26,169	0.00	0	21.46	64	0.00	0	0.67	344	0.00	0	0.00	0	0.98	494	2.38	2,516	44.39	15,783	355.56
TC-11-5	13.12	5,903	0.00	0	12.98	39	0.00	0	20.50	10,495	0.00	0	0.00	0	12.41	6,356	0.00	0	15.32	8,676	566.31
TC-11-6	3.45	1,552	0.32	337	15.54	47	0.00	0	0.89	455	0.00	0	0.00	0	0.70	358	2.19	2,315	103.00	39,402	382.53
TC-11-7	0.04	17	0.00	0	3.10	9	0.00	0	1.39	712	0.00	0	0.00	0	24.39	12,489	0.00	0	61.38	19,886	367.57
TC-11-8	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	5.08	630	22.11	11,320	0.00	0	47.89	14,597	304.80
TC-11	4.58	2,063	0.04	45	3.28	10	0.00	0	0.00	0	0.00	0	0.00	0	31.29	16,020	8.90	9,403	43.34	25,450	587.26
TC-12	55.13	24,806	0.00	0	13.54	41	0.00	0	0.00	0	0.00	0	0.00	0	22.30	11,419	0.00	0	22.30	11,419	512.00
TC-13	29.85	13,433	0.00	0	5.04	15	3.04	852	0.00	0	0.00	0	0.00	0	68.03	34,829	0.00	0	75.94	36,947	486.54
TC-14-1	0.00	0	2.99	3,152	2.89	9	0.00	0	0.00	0	0.00	0	0.00	0	6.82	3,494	4.13	4,356	79.61	32,697	410.72
TC-14-2	0.00	0	0.05	55	0.00	0	0.00	0	0.00	0	0.00										

City of Franklin SWMP Update-2002

Total:	465.78	209,602	54.33	57,377	487.27	1,462	48.93	13,142	79.41	40,656	0.00	0	232.89	28,878	1,289.47	660,208	132.93	140,377	2,789.02	1,151,702	412.94
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City of Franklin SWMP Update-2002																				
Phosphorous																				
Pollutant Loadings (Lb./ac-yr)																				

Franklin Watershed Water Quality Modeling																			City of Franklin SWMP Update-2002		
Pollutant Loadings (Lb./ac-yr)																			Phosphorous		
		0.86		1.07		0.03		0.27		0.47		0.27		0.09		0.47		1.07			
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)
FOX RIVER																					
FX-1-1	0.00	0	0.00	0	3.80	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	3.80	0	0.03
FX-1	41.26	35	0.00	0	9.71	0	0.00	0	0.00	0	0.00	0	0.00	0	3.25	2	2.83	3	57.05	40	0.71
FX-2	76.97	66	1.25	1	11.51	0	16.68	5	0.00	0	7.39	2	0.00	0	8.43	4	0.00	0	122.23	78	0.64
FX-3	7.88	7	0.09	0	4.73	0	13.10	4	0.00	0	104.02	28	0.00	0	2.05	1	0.00	0	131.68	39	0.30
Total:	125.91	108	1.34	1	29.75	1	29.78	8	0.00	0	111.42	30	0.00	0	13.74	6	2.83	3	314.75	158	0.50
LOWER BRANCH																					
LB-1-1	3.91	3	0.08	0	0.00	0	14.57	4	0.00	0	0.00	0	0.00	0	0.55	0	0.00	0	19.11	8	0.40
LB-1	3.96	3	0.03	0	0.00	0	9.05	2	0.00	0	0.00	0	0.00	0	2.48	1	0.00	0	15.52	7	0.45
LB-2-1	8.92	8	2.63	3	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	11.54	10	0.91
LB-2-2	8.75	8	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	6.75	6	0.86
LB-2	150.94	130	4.35	5	25.59	1	0.00	0	0.00	0	0.00	0	0.00	0	2.97	1	0.00	0	183.85	137	0.74
Total:	174.47	150	7.09	8	25.59	1	23.62	6	0.00	0	0.00	0	0.00	0	6.00	3	0.00	0	236.77	168	0.71
MIDDLE BRANCH																					
MB-1-1	66.97	58	0.00	0	24.55	1	0.00	0	0.00	0	0.00	0	0.00	0	0.09	0	0.00	0	91.60	58	0.64
MB-1-2	101.44	87	0.03	0	34.49	1	11.89	3	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	147.86	92	0.62
MB-1-3	35.17	30	0.00	0	4.82	0	0.00	0	0.00	0	0.00	0	0.06	0	4.55	2	0.00	0	44.40	33	0.73
MB-1-4	10.50	9	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	36.98	3	3.06	1	0.00	0	50.51	14	0.27
MB-1-5	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	9.51	1	0.01	0	0.00	0	9.52	1	0.09
MB-1-6	34.91	30	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.71	0	3.92	2	0.00	0	39.55	32	0.81
MB-1-7	14.33	12	0.00	0	31.23	1	0.00	0	0.00	0	0.00	0	134.56	12	0.00	0	0.00	0	180.12	25	0.14
MB-1-8	1.55	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	45.42	4	0.00	0	0.00	0	48.97	5	0.12
MB-1-9A	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.01	0	9.84	5	0.00	0	9.85	5	0.47
MB-1-9B	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	8.90	4	0.00	0	8.90	4	0.47
MB-1-10	17.47	15	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	3.33	2	0.00	0	20.80	17	0.80
MB-1-11	113.99	98	0.15	0	8.13	0	5.09	1	0.00	0	0.00	0	0.00	0	2.43	1	0.00	0	129.78	101	0.78
MB-1-12A	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	34.15	16	0.00	0	34.15	16	0.47
MB-1-12B	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	34.86	16	0.00	0	34.86	16	0.47
MB-1-13	48.41	42	1.88	2	5.23	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	55.52	44	0.79
MB-1	110.50	95	0.00	0	47.17	1	0.00	0	0.00	0	0.00	0	0.00	0	7.42	3	0.00	0	165.09	100	0.61
Total:	555.23	477	2.06	2	155.42	5	16.98	5	0.00	0	0.00	0	227.23	20	112.56	53	0.00	0	1,069.48	562	0.53
NORTH BRANCH																					
NB-1	5.24	5	19.22	21	0.00	0	0.00	0	5.20	2	0.00	0	0.00	0	1.48	1	0.00	0	31.13	28	0.91
NB-2	1.87	2	0.97	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.81	0	0.69	1	4.33	4	0.87
Total:	7.11	6	20.19	22	0.00	0	0.00	0	5.20	2	0.00	0	0.00	0	2.29	1	0.69	1	35.47	32	0.90

Franklin Watershed Water Quality Modeling																					
Pollutant Loadings (Lb./ac-yr)																		City of Franklin SWMP Update-2002			
		0.86		1.07		0.03		0.27		0.47		0.27		0.09		0.47		1.07			
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)
NORTH CENTRAL TRIBUTARY																					
NC-1	1.38	1	0.00	0	6.99	0	0.00	0	0.00	0	0.00	0	0.02	0	7.83	4	0.00	0	16.20	5	0.31
NC-2	50.60	44	0.00	0	6.29	0	0.00	0	0.00	0	0.00	0	0.00	0	20.87	10	0.00	0	77.78	54	0.69
NC-3	1.46	1	0.00	0	1.20	0	0.00	0	0.00	0	0.00	0	0.00	0	6.33	3	0.00	0	32.80	6	0.20
NC-4-1	5.00	4	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.04	0	0.00	0	23.50	16	0.68
NC-4-2	17.22	15	0.00	0	4.17	0	0.00	0	0.00	0	0.00	0	0.00	0	35.52	17	0.00	0	38.27	17	0.44
NC-4-3	0.08	0	0.00	0	2.70	0	0.00	0	0.00	0	0.00	0	0.00	0	116.17	55	0.00	0	130.47	67	0.51
NC-4-4	14.30	12	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	32.58	16	0.00	0	174.51	54	0.31
NC-4	28.27	24	0.00	0	4.10	0	0.00	0	0.00	0	0.00	0	0.00	0	9.28	4	0.00	0	36.82	21	0.56
NC-5	8.23	7	0.00	0	0.01	0	0.00	0	10.42	5	0.00	0	99.14	9	28.57	13	0.00	0	13.14	8	0.45
NC-6	1.67	1	0.00	0	2.21	0	0.00	0	0.00	0	0.00	0	0.00	0	28.37	13	0.00	0	28.37	13	0.47
NC-7-1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	6.51	3	1.15	1	41.60	1	0.03
NC-7-2	0.04	0	0.00	0	41.56	1	0.00	0	0.00	0	0.00	0	0.00	0	63.94	30	5.33	6	135.83	91	0.87
NC-7-3	42.58	37	17.18	18	6.80	0	0.00	0	0.00	0	0.00	0	0.00	0	3.40	2	10.19	11	34.03	32	0.95
NC-7-4	0.85	1	25.44	27	0.09	0	0.00	0	0.00	0	0.00	0	0.00	0	3.39	2	5.33	6	55.83	41	0.74
NC-7-5	29.42	25	2.85	3	9.97	0	0.00	0	0.00	0	0.00	0	0.00	0	10.30	5	14.23	16	38.76	25	0.64
NC-7-6	20.09	17	0.00	0	9.95	0	0.00	0	0.00	0	0.00	0	0.00	0	3.39	2	5.33	6	74.99	62	0.82
NC-7-7	48.21	41	0.00	0	2.28	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	2.02	2	27.88	23	0.84
NC-7-8	24.53	21	0.00	0	1.12	0	0.00	0	0.00	0	0.00	0	0.00	0	12.08	6	7.74	8	71.31	57	0.80
NC-7	50.40	43	0.00	0	1.08	0	0.00	0	0.00	0	0.00	0	0.00	0	14.22	7	0.00	0	20.65	8	0.39
NC-8	1.31	1	0.00	0	5.02	0	0.00	0	0.00	0	0.00	0	0.00	0	0.75	0	1.28	1	14.43	5	0.37
NC-9	3.98	3	0.00	0	8.44	0	0.00	0	0.00	0	0.00	0	0.00	0	30.87	15	0.00	0	42.11	20	0.47
NC-10	6.01	5	0.00	0	5.23	0	0.00	0	0.00	0	0.00	0	0.00	0	37.58	18	0.00	0	72.23	47	0.65
NC-11-1	34.16	29	0.00	0	0.49	0	0.00	0	0.00	0	0.00	0	0.00	0	7.01	3	0.00	0	45.47	33	0.72
NC-11	33.98	29	0.00	0	4.50	0	0.00	0	0.00	0	0.00	0	0.00	0	16.59	8	2.88	3	39.12	25	0.63
NC-12-1	16.27	14	0.00	0	3.59	0	0.00	0	0.00	0	0.00	0	0.00	0	25.21	12	0.00	0	77.34	44	0.57
NC-12-2	36.60	31	0.00	0	15.53	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	23.29	19	0.83
NC-12-3	21.62	19	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	39.41	19	4.18	4	63.89	35	0.55
NC-12	7.13	6	5.16	6	8.00	0	0.00	0	0.01	0	0.00	0	0.00	0	6.54	3	2.15	2	9.16	6	0.64
NC-13-1	0.00	0	0.45	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	9.70	5	15.70	17	173.05	91	0.82
NC-13-2	88.77	59	5.88	6	69.29	2	0.00	0	3.72	2	0.00	0	0.00	0	10.35	5	2.39	3	13.89	9	0.78
NC-13-3	0.00	0	1.14	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	16.00	11	0.45
NC-13-4	0.82	1	3.42	4	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	7.38	3	3.39	4	22.11	10	0.45
NC-13-5	0.00	0	0.00	0	1.34	0	0.00	0	0.00	0	0.00	0	0.00	0	20.49	10	0.29	0	120.95	60	0.50
NC-13	23.11	20	0.02	0	13.79	0	0.00	0	12.79	6	0.00	0	10.23	1	53.72	25	7.29	8	10.13	8	0.80
NC-14-1	7.30	6	0.00	0	1.16	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.67	2	109.62	75	0.68
NC-14-2	63.83	55	3.21	3	18.42	1	0.77	0	0.00	0	0.00	0	0.00	0	15.53	7	7.86	8	7.95	5	0.62
NC-14-3	3.04	3	0.00	0	2.30	0	0.00	0	0.00	0	0.00	0	0.00	0	0.89	0	1.73	2	48.19	38	0.74
NC-14-4	26.80	23	2.26	2	2.87	0	0.00	0	0.00	0	0.00	0	0.00	0	11.95	6	4.30	5	16.95	10	-0.60
NC-14-5	7.44	6	0.00	0	1.60	0	0.00	0	0.00	0	0.00	0	0.00	0	7.92	4	0.00	0	86.76	48	0.55
NC-14-6	39.28	34	0.98	1	22.35	1	7.16	2	0.00	0	0.00	0	0.00	0	13.34	6	3.66	4	24.44	14	0.57
NC-14-7	12.17	10	0.00	0	4.78	0	4.00	1	0.00	0	0.00	0	0.00	0	2.58	1	0.91	1	11.20	7	0.61
NC-14-8	6.20	4	0.00	0	2.33	0	1.78	0	0.00	0	0.00	0	0.00	0	0.33	0	1.57	2	138.19	85	0.82
NC-14-9	90.03	77	0.00	0	35.44	1	0.00	0	0.00	0	0.00	0	0.00	0	7.86	4	2.79	3	62.94	25	0.39
NC-14-10	23.14	20	0.38	0	35.24	1	0.00	0	0.00	0	0.00	0	2.08	0	1.95	1	2.23	2	52.26	33	0.64
NC-14	37.07	32	0.00	0	12.85	0	0.00	0	0.00	0	0.00	0	0.00	0	2.34	1	0.00	0	42.56	20	0.48
NC-15-1	4.86	4	0.00	0	7.22	0	0.00	0	0.00	0	0.00	0	0.00	0	27.89	13	2.58	3	33.82	19	0.57
NC-15-2	19.11	16	0.00	0	10.95	0	0.00	0	0.00	0	0.00	0	0.00	0	2.57	1	1.20	1	6.49	5	0.79
NC-15-3	2.50	2	0.00	0	0.03	0	0.00	0	0.00	0	0.00	0	0.00	0	4.01	2	7.47	8	49.93	29	0.58
NC-15	13.87	12	5.98	6	18.61	1	0.00	0	0.00	0	0.00	0	0.00	0	2.12	1	1.83	2	2,515.80	1,439	0.57
Total:	953.68	820	74.33	80	411.85	12	13.72	4	29.01	14	0.00	0	135.10	12	772.83	363	125.08	134			

Franklin Watershed Water Quality Modeling

Phosphorous																						
Pollutant Loadings (Lb./ac-yr)			0.86		1.07		0.03		0.27		0.47		0.27		0.09		0.47		1.07			
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)	
OAKWOOD BRANCH																						
OB-1	29.68	26	0.00	0	9.51	0	0.00	0	0.00	0	0.00	0	0.02	0	0.03	0	0.00	0	39.24	26	0.66	
OB-2	173.71	149	0.00	0	9.81	0	0.00	0	0.00	0	0.00	0	0.00	0	5.65	3	0.00	0	189.07	152	0.81	
OB-3	83.58	72	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	12.95	6	0.00	0	96.53	78	0.81	
OB-4	29.47	25	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	2.42	1	0.00	0	31.89	26	0.83	
OB-5-1	16.50	14	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.69	0	0.00	0	17.19	15	0.84	
OB-5	19.20	17	0.43	0	2.09	0	0.00	0	0.00	0	0.00	0	0.00	0	3.30	2	0.00	0	25.03	19	0.74	
OB-6-1	246.03	212	0.27	0	16.48	0	0.00	0	0.00	0	0.00	0	0.00	0	29.17	14	0.00	0	291.94	226	0.77	
OB-6-2	48.52	42	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	2.01	1	0.00	0	50.53	43	0.84	
OB-6-3	25.45	22	0.00	0	2.76	0	0.00	0	0.00	0	0.00	0	0.00	0	0.41	0	0.00	0	28.62	22	0.77	
OB-6-4	21.73	19	0.00	0	2.57	0	0.00	0	0.00	0	7.01	2	0.00	0	6.29	3	0.00	0	37.60	24	0.63	
OB-6	3.24	3	0.00	0	2.30	0	0.00	0	0.00	0	0.00	0	0.00	0	1.12	1	0.00	0	6.66	3	0.51	
OB-7	34.90	30	0.00	0	13.91	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	48.81	30	0.62	
OB-8	25.04	22	0.00	0	10.88	0	0.00	0	0.00	0	0.00	0	0.00	0	4.08	2	0.00	0	40.00	24	0.59	
OB-9	39.16	34	0.00	0	11.03	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	50.19	34	0.68	
OB-10	15.18	13	0.00	0	11.44	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	26.62	20	0.64	
OB-11	22.76	20	0.00	0	8.30	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	31.06	20	0.64	
OB-12	55.73	48	0.00	0	5.55	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	63.36	49	0.77	
OB-13-1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	118.34	32	0.00	0	2.08	1	0.00	0	121.53	33	0.28	
OB-13-2	6.89	6	0.00	0	6.43	0	0.00	0	0.00	0	70.33	19	0.00	0	3.20	2	0.00	0	85.46	26	0.30	
OB-13	170.41	147	0.00	0	3.95	0	0.00	0	0.00	0	0.17	0	0.00	0	1.81	1	0.00	0	177.09	148	0.84	
Total:	1,067.19	918	0.70	1	117.01	4	0.00	0	0.00	0	195.85	53	0.02	0	77.68	37	0.00	0	1,458.43	1,011	0.69	
UPPER OAK CREEK																						
OC-1	47.43	41	0.48	1	22.66	1	0.00	0	4.56	2	0.00	0	0.00	0	30.25	14	0.00	0	105.38	58	0.55	
OC-2-2	0.00	0	12.19	13	0.00	0	0.00	0	17.55	8	0.00	0	0.00	0	162.39	76	3.24	3	195.37	101	0.52	
OC-2	2.62	2	8.49	9	5.85	0	3.38	1	0.44	0	0.00	0	0.00	0	13.30	6	2.16	2	36.22	21	0.58	
OC-3	21.88	19	0.00	0	2.01	0	0.00	0	0.00	0	0.00	0	0.00	0	1.67	1	0.00	0	25.56	20	0.77	
OC-4-1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	10.47	5	0.62	1	11.09	6	0.50	
OC-4	1.73	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.07	0	15.56	7	0.95	1	18.31	10	0.54	
OC-5	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	2.53	0	6.48	3	1.22	1	15.04	7	0.45	
OC-6-1	21.38	18	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.55	0	0.60	0	3.47	4	25.98	22	0.88	
OC-6	1.70	1	0.00	0	0.10	0	0.00	0	0.00	0	0.00	0	0.00	0	0.60	0	1.35	1	44.40	12	0.27	
OC-7	15.39	13	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	14.04	7	9.31	10	57.38	39	0.87	
OC-8	0.00	0	0.00	0	0.00	0	0.00	0	1.52	1	0.00	0	0.00	0	31.66	15	2.95	3	67.87	34	0.60	
OC-9	14.53	12	0.00	0	4.66	0	0.00	0	0.00	0	0.00	0	0.00	0	64.92	31	0.07	0	153.73	76	0.49	
OC-10	0.00	0	0.00	0	0.00	0	0.00	0	3.35	2	0.00	0	0.00	0	131.12	62	0.00	0	76.68	36	0.47	
OC-11-1A	0.00	0	0.00	0	0.00	0	0.00	0	0.53	0	0.00	0	0.00	0	76.14	36	0.00	0	35.25	17	0.47	
OC-11-1B	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	35.25	17	0.00	0	35.25	17	0.47	
OC-11-2	0.01	0	0.00	0	6.15	0	0.00	0	0.00	0	0.00	0	0.00	0	52.02	24	0.00	0	58.18	25	0.42	
OC-11-3	3.55	3	0.00	0	0.35	0	0.00	0	0.00	0	0.00	0	0.00	0	5.72	3	0.00	0	9.62	6	0.60	
OC-11	30.29	26	0.00	0	25.27	1	0.00	0	0.00	0	0.00	0	0.00	0	42.73	20	0.00	0	98.29	47	0.48	
OC-12-1	7.40	6	0.00	0	2.68	0	0.00	0	0.00	0	0.00	0	0.00	0	87.97	41	0.00	0	101.06	48	0.48	
OC-12-2	0.05	0	0.00	0	0.87	0	0.00	0	0.00	0	0.00	0	0.00	0	24.20	8	0.00	0	19.51	9	0.45	
OC-12	0.00	0	0.00	0	6.35	0	0.00	0	0.00	0	0.00	0	0.67	0	18.59	9	0.00	0	24.20	8	0.34	
OC-13-1	17.39	15	1.27	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	17.18	8	0.00	0	26.42	20	0.76	
OC-13-2	18.66	16	0.00	0	2.54	0	0.00	0	0.00	0	0.00	0	0.00	0	7.78	4	0.00	0	27.29	19	0.70	
OC-13-3	8.15	7	0.00	0	7.85	0	0.00	0	0.00	0	0.00	0	0.00	0	6.08	3	0.00	0	39.13	18	0.46	
OC-13-4	6.21	5	0.00	0	6.33	0	0.00	0	0.00	0	0.00	0	0.00	0	23.13	11	0.00	0	35.38	18	0.46	
OC-13	17.28	15	10.38	11	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	22.85	11	0.00	0	51.88	37	0.72	
OC-14	4.59	4	7.28	3	0.00	0	3.76	1	0.00	0	0.00	0	0.00	0	24.22	11	0.00	0	43.90	28	0.59	
OC-15	74.32	64	0.00	0	0.83	0	0.00	0	0.00	0	0.00	0	0.00	0	28.29	13	0.00	0	43.90	28	0.59	
OC-16	12.50	11	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	28.29	13	0.00	0	78.15	64	0.85	
Total:	327.05	281	40.08	43	94.47	3	7.13	2	32.76	15	0.00	0	34.04	3	971.01	456	25.33	27	1,531.87	831	0.54	

Franklin Watershed Water Quality Modeling

City of Franklin SWMP Update-2002

Pollutant Loadings (Lb./ac-yr)

Phosphorous

Phosphorous																					
0.86			1.07		0.03		0.27		0.47		0.27		0.09		0.47		1.07				
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)
ORCHARD VIEW TRIBUTARY																					
OV-1-1	0.32	0	0.00	0	3.82	0	0.00	0	0.00	0	0.00	0	0.30	0	98.79	46	0.00	0	103.22	47	0.45
OV-1	26.44	23	0.00	0	0.17	0	0.00	0	0.00	0	0.00	0	0.00	0	2.73	1	0.00	0	29.34	24	0.82
Total:	26.76	23	0.00	0	3.99	0	0.00	0	0.00	0	0.00	0	0.30	0	101.52	48	0.00	0	132.57	71	0.53
RYAN CREEK																					
RC-1	41.71	36	0.00	0	15.85	0	0.00	0	0.00	0	0.00	0	4.20	0	1.37	1	0.00	0	63.14	37	0.59
RC-2	0.05	0	0.00	0	15.97	0	0.00	0	0.00	0	0.00	0	0.00	0	10.34	5	0.00	0	26.36	5	0.20
RC-3-1	7.68	7	0.00	0	0.00	0	0.00	0	0.04	0	0.00	0	1.94	0	0.00	0	1.26	1	10.83	8	0.74
RC-3-2	3.44	3	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.11	0	0.47	1	8.93	5	0.67
RC-3-3	2.34	2	0.00	0	0.00	0	0.00	0	3.16	1	0.00	0	1.88	0	0.00	0	0.35	0	3.97	3	0.75
RC-3-4	73.10	63	1.51	2	2.87	0	0.00	0	1.17	1	0.00	0	0.00	0	0.11	0	0.47	1	8.93	5	0.67
RC-3	183.85	158	3.07	3	6.99	0	0.00	0	0.00	0	0.00	0	0.00	0	5.70	3	4.10	4	87.30	72	0.82
RC-4	49.13	42	0.00	0	9.96	0	0.00	0	0.00	0	0.00	0	0.00	0	23.50	11	0.65	1	218.07	173	0.79
RC-5-1	26.78	22	0.00	0	21.46	1	0.00	0	0.59	0	0.00	0	0.00	0	0.00	0	1.15	1	60.84	44	0.72
RC-5-2	22.67	19	0.00	0	5.93	0	0.00	0	0.00	0	0.00	0	0.00	0	10.09	5	5.96	6	63.28	34	0.54
RC-5-3	22.65	19	0.00	0	0.01	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	2.97	3	31.47	23	0.72
RC-5-4	2.53	2	0.00	0	16.59	0	0.00	0	0.00	0	0.00	0	0.00	0	54.72	26	0.00	0	77.38	45	0.58
RC-5	35.28	30	0.00	0	28.48	1	0.00	0	0.00	0	0.00	0	0.00	0	0.48	0	1.83	2	21.42	5	0.23
RC-6	48.73	42	0.00	0	53.29	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	61.76	31	0.50
RC-7	84.26	72	0.00	0	5.80	0	0.00	0	0.00	0	0.00	0	0.00	0	3.11	1	0.00	0	105.13	45	0.43
RC-8	27.53	24	0.00	0	0.31	0	0.00	0	0.00	0	0.00	0	0.00	0	0.76	0	0.00	0	90.82	73	0.80
RC-9-2	117.55	101	0.00	0	30.95	1	0.00	0	0.00	0	0.00	0	0.00	0	3.18	1	0.00	0	31.02	25	0.81
RC-9	76.08	66	0.00	0	2.85	0	0.00	0	0.00	0	0.00	0	0.00	0	9.77	5	0.00	0	168.27	107	0.67
RC-10	116.44	100	0.00	0	4.29	0	0.00	0	0.00	0	0.00	0	0.00	0	1.05	0	0.00	0	79.98	66	0.83
RC-10-1	12.94	11	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.64	0	0.00	0	121.28	101	0.83
RC-11-1	200.13	172	0.00	0	28.28	1	0.00	0	0.00	0	0.00	0	0.00	0	0.02	0	0.00	0	12.96	11	0.86
RC-11	223.03	192	0.00	0	59.42	2	0.00	0	0.00	0	0.00	0	0.00	0	12.49	6	0.00	0	240.90	179	0.74
RC-12	29.71	26	0.00	0	0.88	0	0.00	0	0.00	0	0.00	0	0.00	0	18.09	8	0.00	0	298.64	201	0.67
RC-13-1	36.02	31	0.00	0	5.13	0	0.00	0	0.00	0	0.00	0	0.00	0	0.28	0	0.00	0	30.88	26	0.83
RC-13	1.02	1	0.00	0	0.01	0	0.00	0	0.00	0	0.00	0	0.00	0	0.97	0	0.00	0	42.13	32	0.75
RC-14-1	19.00	16	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	6.37	3	0.00	0	6.39	3	0.53
RC-14	99.89	86	0.00	0	4.28	0	0.00	0	0.00	0	0.00	0	0.00	0	9.51	4	3.13	3	31.64	24	0.76
RC-15	19.71	17	0.00	0	2.15	0	0.00	0	0.00	0	0.00	0	0.00	0	1.39	1	2.72	3	108.29	90	0.83
RC-16-1	38.00	33	0.00	0	3.13	0	0.00	0	0.00	0	0.00	0	0.00	0	3.90	2	2.15	2	27.91	21	0.76
RC-16-2	87.18	75	0.00	0	0.87	0	0.00	0	0.00	0	0.00	0	0.00	0	1.15	1	1.18	1	48.19	35	0.78
RC-16	90.11	77	1.76	2	10.31	0	0.00	0	0.00	0	0.00	0	0.00	0	2.58	1	1.83	2	92.28	78	0.84
RC-17	36.89	32	0.00	0	10.80	0	0.00	0	0.00	0	0.00	0	0.00	0	0.16	0	2.64	3	104.98	83	0.79
RC-18-1	33.04	28	0.00	0	0.50	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.61	2	49.30	34	0.69
RC-18-2	168.83	145	0.00	0	34.58	1	0.00	0	0.00	0	0.00	0	0.00	0	2.87	1	0.00	0	36.41	30	0.82
RC-18-3	0.00	0	0.00	0	14.61	0	0.00	0	0.00	0	0.00	0	0.00	0	7.72	4	0.00	0	210.92	150	0.71
RC-18-4	51.49	44	0.00	0	9.95	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.01	0	14.62	0	0.03
RC-18-5	55.12	47	0.00	0	80.87	2	0.00	0	0.00	0	0.00	0	0.00	0	8.57	4	0.00	0	70.01	49	0.69
RC-18-6	68.89	58	0.68	1	31.81	1	1.11	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	115.79	49	0.43
RC-18-7	63.52	55	0.09	0	21.24	1	0.27	0	0.00	0	0.00	0	0.00	0	7.69	4	0.00	0	108.19	63	0.58
RC-18-8	10.11	9	0.00	0	1.31	0	0.00	0	0.00	0	0.00	0	0.00	0	1.60	1	0.01	0	86.72	66	0.65
RC-18-9	9.53	8	0.00	0	4.14	0	0.00	0	0.00	0	0.00	0	0.00	0	4.35	2	0.00	0	15.77	11	0.88
RC-18-10	81.22	70	0.80	1	49.67	1	0.00	0	0.00	0	0.00	0	0.00	0	0.13	0	0.00	0	13.80	8	0.61
RC-18-11	51.18	44	0.00	0	7.82	0	0.00	0	0.00	0	0.00	0	0.00	0	18.36	9	0.00	0	150.05	81	0.54
RC-18-12	16.37	14	0.00	0	4.29	0	0.00	0	0.00	0	0.00	0	0.00	0	3.57	2	0.00	0	62.36	46	0.74
RC-18	35.30	30	1.36	1	8.09	0	0.00	0	0.00	0	0.00	0	1.33	0	8.67	4	0.00	0	30.65	18	0.60
Total:	2,476.66	2,130	9.28	10	593.31	18	3.12	1	4.97	2	0.00	0	9.33	1	249.70	117	33.83	36	3,380.20	2,315	0.68

Franklin Watershed Water Quality Modeling																			City of Franklin SWMP Update-2002			
Pollutant Loadings (Lb./ac-yr)																			Phosphorous			
0.86			1.07		0.03		0.27		0.47		0.27		0.09		0.47		1.07					
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)	
ROOT RIVER																						
RR-1	88.75	75	0.00	0	74.59	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	161.35	77	0.48	
RR-2	77.98	67	0.00	0	49.75	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	133.16	71	0.53	
RR-3	69.93	60	0.00	0	14.67	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	93.48	65	0.69	
RR-4	56.86	49	0.00	0	19.97	1	0.00	0	0.00	0	0.00	0	0.00	0	6.55	3	0.00	0	83.37	53	0.63	
RR-5-1	14.45	12	0.00	0	0.00	0	4.18	1	0.00	0	0.00	0	0.00	0	3.22	2	0.00	0	21.85	15	0.69	
RR-5-2	2.68	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.14	0	0.00	0	2.63	2	0.84	
RR-5	48.27	42	0.00	0	39.23	1	0.00	0	0.00	0	0.00	0	0.00	0	1.36	1	0.00	0	88.86	43	0.49	
RR-6	6.83	6	0.00	0	18.11	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	24.93	6	0.28	
RR-7	0.00	0	0.00	0	43.84	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	43.64	1	0.03	
RR-8	7.08	6	0.00	0	12.42	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	19.50	6	0.33	
RR-9-1	44.20	38	1.06	1	4.53	0	68.13	18	0.00	0	0.00	0	0.00	0	4.69	2	0.00	0	122.52	60	0.49	
RR-9-2A	0.00	0	0.00	0	0.05	0	6.99	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	7.04	2	0.27	
RR-9-2B	4.64	4	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	4.46	4	0.89	
RR-9	24.34	21	0.00	0	4.57	0	0.00	0	0.00	0	0.00	0	0.00	0	3.34	2	0.00	0	32.75	23	0.70	
RR-10	0.00	0	0.00	0	20.88	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	22.02	1	0.03	
RR-11-1	1.71	1	9.20	10	0.00	0	32.81	9	0.00	0	0.00	0	1.14	0	0.00	0	0.00	0	47.00	24	0.50	
RR-11-2	100.86	87	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	2.64	3	103.30	89	0.87	
RR-11	55.43	48	2.11	2	73.68	2	18.07	5	0.00	0	0.00	0	0.00	0	6.29	3	1.66	2	157.03	82	0.39	
RR-12	176.66	162	1.02	1	164.71	5	4.29	1	0.00	0	0.00	0	0.00	0	9.66	4	5.43	6	351.67	169	0.48	
RR-13-1	108.28	93	0.73	1	0.66	0	0.00	0	22.99	11	1.11	0	15.05	1	2.66	1	3.67	4	165.14	112	0.72	
RR-13	70.24	60	0.00	0	50.52	2	0.00	0	5.35	3	0.00	0	0.00	0	0.00	0	2.07	2	128.17	67	0.52	
RR-14-1	38.52	33	3.22	3	9.15	0	0.00	0	0.00	0	0.00	0	0.00	0	10.61	5	0.00	0	61.51	42	0.68	
RR-14-2	28.95	25	0.71	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.77	1	1.05	1	32.48	28	0.86	
RR-14	82.34	71	1.90	2	13.12	0	0.00	0	0.00	0	0.00	0	0.72	0	4.88	2	5.41	6	108.37	81	0.75	
RR-15-1	7.75	7	0.00	0	3.04	0	0.00	0	0.00	0	0.00	0	5.45	0	0.00	0	0.00	0	16.24	7	0.45	
RR-15-2	5.91	6	0.00	0	6.18	0	0.00	0	0.00	0	0.00	0	0.00	0	1.09	1	0.00	0	13.18	8	0.44	
RR-15-3	38.09	33	0.00	0	0.37	0	0.00	0	0.00	0	0.00	0	0.00	0	4.73	2	0.00	0	43.19	35	0.81	
RR-15	157.27	135	0.00	0	13.33	0	0.00	0	0.00	0	0.00	0	0.00	0	0.49	0	0.00	0	193.68	138	0.71	
RR-16	26.81	23	0.00	0	14.76	0	0.00	0	0.00	0	0.00	0	22.59	2	0.34	0	0.00	0	41.90	24	0.56	
RR-17	58.92	51	0.00	0	27.40	1	0.00	0	0.00	0	0.00	0	0.00	0	2.41	1	0.00	0	88.73	53	0.59	
RR-18-1	0.16	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	27.56	13	0.00	0	27.72	13	0.47	
RR-18-2	13.78	12	0.00	0	0.63	0	0.00	0	0.00	0	0.00	0	0.00	0	15.21	7	0.00	0	29.63	19	0.64	
RR-18	129.92	112	0.00	0	28.71	1	0.00	0	1.26	1	0.00	0	0.00	0	0.00	0	0.00	0	159.69	113	0.71	
RR-19	11.51	10	0.00	0	17.75	1	0.00	0	0.00	0	0.00	0	0.00	0	9.50	4	0.00	0	38.76	15	0.38	
RR-20	13.67	12	0.00	0	7.04	0	0.00	0	0.00	0	0.00	0	0.00	0	24.27	11	0.00	0	51.33	24	0.46	
RR-21	101.04	87	1.23	1	27.77	1	1.62	0	0.00	0	240.28	65	0.00	0	8.32	4	8.62	9	388.89	168	0.43	
RR-22-1	17.63	15	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	26.93	13	0.00	0	44.56	28	0.62	
RR-22	51.41	44	0.00	0	8.85	0	0.00	0	0.00	0	0.00	0	0.00	0	18.17	9	0.00	0	78.43	53	0.68	
RR-23-1	0.04	0	0.00	0	0.01	0	0.00	0	0.00	0	0.00	0	0.00	0	45.06	21	0.00	0	45.11	21	0.47	
RR-23	43.18	37	0.00	0	14.12	0	0.00	0	0.00	0	25.62	7	0.00	0	19.16	9	1.11	1	103.09	55	0.53	
RR-24	38.83	33	0.32	0	16.86	1	6.14	2	0.00	0	0.00	0	0.00	0	4.69	2	5.19	6	71.85	43	0.61	
RR-25-1	42.09	36	12.71	14	49.05	1	0.00	0	0.00	0	0.00	0	0.00	0	4.66	2	18.94	20	127.45	74	0.58	
RR-25	81.93	70	0.03	0	51.49	2	4.57	1	1.81	1	0.00	0	0.00	0	7.94	4	1.97	2	149.73	80	0.53	
RR-26-1	1.09	1	0.05	0	0.00	0	0.00	0	0.00	0	0.21	0	0.00	0	90.59	43	5.09	5	97.05	49	0.51	
RR-26-2	64.94	56	0.00	0	8.74	0	0.00	0	0.03	0	0.00	0	0.00	0	21.66	10	5.14	6	100.60	72	0.71	
RR-26-3	43.20	37	0.00	0	0.00	0	0.00	0	3.39	2	0.00	0	0.00	0	1.47	1	0.00	0	48.05	39	0.82	
RR-26-4A	0.00	0	0.00	0	2.28	0	0.00	0	0.00	0	0.00	0	0.00	0	36.28	17	0.00	0	38.53	17	0.44	
RR-26-4B	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	23.27	11	0.00	0	23.27	11	0.47	
RR-26-5	4.08	4	0.00	0	3.33	0	0.00	0	1.58	1	0.00	0	0.00	0	55.21	26	0.00	0	64.19	30	0.47	
RR-26-6	25.04	22	0.00	0	34.70	1	0.00	0	0.00	0	0.00	0	0.00	0	78.47	37	0.01	0	138.22	58	0.43	
RR-26	126.38	109	0.57	1	16.58	1	1.13	0	7.57	4	3.27	1	0.00	0	4.69	2	0.75	1	162.94	118	0.72	
RR-27	6.81	6	0.00	0	13.62	0	0.00	0	7.64	4	0.00	0	0.00	0	50.90	24	2.63	3	61.59	37	0.45	
RR-28-1	35.64	31	3.91	4	0.00	0	0.00	0	0.00	0	0.00	0	2.99	0	6.03	3	21.59	23	70.08	61	0.87	
RR-28	15.07	13	0.50	1	19.32	1	0.00	0	0.00	0	0.00	0	0.00	0	37.91	41	12.31	13	135.11	69	0.51	
RR-29	3.56	3	5.16	6	56.98	2	13.60	4	3.05	1	0.00	0	1.92	0	0.00	0	4.82	5	89.10	21	0.23	
RR-30-1	16.41	14	0.00	0	7.99	0	0.00	0	0.00	0	0.00	0	19.69	2	10.51	5	0.00	0	54.61	21	0.39	
RR-30-2	0.00	0	0.00	0	3.42	0	0.00	0	0.00	0	0.00	0	0.00	0	33.70	16	0.00	0	37.12	16	0.43	
RR-30	6.11	5	0.00	0	21.55	1	0.00	0	0.00	0	0.00	0	23.80	2	4.43	2	0.00	0	55.89	10	0.18	
RR-31	122.03	105	1.31	1	122.68	4	0.00	0	0.00	0	0.00	0	55.78	5	60.08	28	0.95	1	362.61	144	0.40	
Total:	2,417.28	2,079	45.64	49	1,204.71	36	161.53	44	54.65	28	270.39	73	155.59	14	855.02	402	114.23	122	5,278.84	2,844	0.54	

Franklin Watershed Water Quality Modeling

City of Franklin SWMP Update-2002

Pollutant Loadings (Lb./ac-yr)

Phosphorous

	0.86		1.07		0.03		0.27		0.47		0.27		0.09		0.47		1.07				
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)
ROOT RIVER CANAL																					
RRC-1	2.12	2	0.00	0	20.16	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	22.27	2	0.11
RRC-2	92.75	80	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	5.92	3	0.00	0	98.67	83	0.84
RRC-3-1	25.85	22	0.00	0	32.24	1	0.00	0	0.00	0	0.00	0	0.00	0	1.01	0	0.00	0	59.10	24	0.40
RRC-3	89.76	60	0.00	0	0.34	0	0.00	0	0.00	0	0.00	0	0.00	0	2.09	1	0.00	0	72.18	61	0.84
RRC-4	17.50	15	0.00	0	35.93	1	0.00	0	0.00	0	0.00	0	0.00	0	7.16	3	0.00	0	60.58	19	0.32
RRC-5	1.97	2	0.00	0	34.10	1	0.00	0	0.00	0	0.00	0	0.00	0	0.41	0	0.00	0	36.48	3	0.08
RRC-6	59.36	51	0.00	0	6.33	0	0.00	0	0.00	0	0.00	0	0.00	0	0.02	0	0.00	0	65.72	51	0.78
Total:	269.31	232	0.00	0	129.10	4	0.00	0	0.00	0	0.00	0	0.00	0	18.60	8	0.00	0	415.00	243	0.59
TESS CORNERS CREEK																					
TC-1	5.02	4	0.00	0	16.22	0	0.00	0	0.00	0	0.00	0	0.15	0	1.43	1	0.00	0	22.83	5	0.24
TC-2	0.20	0	0.00	0	60.20	2	0.00	0	0.00	0	0.00	0	149.95	13	0.00	0	0.00	0	210.35	15	0.07
TC-3	53.82	46	0.00	0	101.54	3	0.00	0	0.00	0	0.00	0	21.70	2	124.70	59	5.84	6	307.61	116	0.38
TC-4-1	28.43	24	0.00	0	78.50	2	0.00	0	0.00	0	0.00	0	0.00	0	41.88	20	19.50	21	172.62	70	0.41
TC-4-2	20.19	17	0.00	0	0.00	0	0.00	0	6.50	3	0.00	0	0.00	0	1.61	1	3.31	4	25.11	22	0.86
TC-4-3A	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	6.24	3	0.00	0	6.24	3	0.47
TC-4-3B	15.46	13	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	14.85	7	1.10	1	37.29	27	0.71
TC-4-4	21.45	18	0.00	0	0.08	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	15.46	13	0.86
TC-4	2.07	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	14.85	7	1.10	1	37.29	27	0.71
TC-5	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.81	0	0.00	0	11.08	12	14.96	14	0.92
TC-6	7.28	6	8.18	7	0.00	0	0.00	0	0.00	0	0.00	0	20.85	2	10.03	5	4.34	5	35.22	11	0.32
TC-7	2.29	2	0.00	0	8.24	0	0.00	0	0.72	0	0.00	0	0.00	0	14.34	7	13.64	14	42.05	34	0.82
TC-8-1A	0.00	0	0.00	0	20.91	1	0.00	0	17.28	8	0.00	0	0.00	0	0.21	0	2.81	3	11.56	5	0.46
TC-8-1B	17.54	15	2.98	3	0.00	0	16.34	4	0.00	0	0.00	0	0.00	0	1.18	1	3.77	4	43.14	13	0.31
TC-8	30.81	28	0.00	0	0.00	0	0.00	0	0.49	0	0.00	0	0.00	0	0.00	0	0.00	0	16.34	4	0.27
TC-9-1	5.38	5	0.00	0	4.18	0	0.00	0	0.00	0	0.00	0	0.00	0	34.51	18	3.38	4	58.91	38	0.65
TC-9-2	0.20	0	0.00	0	2.82	0	0.00	0	0.00	0	0.00	0	0.00	0	7.68	4	1.68	2	44.35	32	0.72
TC-9-3	6.63	6	0.00	0	0.00	0	0.00	0	7.27	3	0.00	0	0.00	0	19.91	9	0.00	0	28.09	14	0.50
TC-9	0.00	0	0.11	0	6.97	0	0.00	0	0.00	0	0.00	0	0.68	0	29.11	14	0.00	0	37.16	17	0.47
TC-10	9.83	8	0.00	0	23.35	1	0.00	0	8.54	4	0.00	0	0.00	0	70.98	33	0.00	0	84.58	39	0.46
TC-11-1	7.45	6	0.00	0	3.13	0	0.00	0	0.00	0	0.00	0	0.00	0	80.63	38	2.53	3	115.18	45	0.39
TC-11-2	23.84	21	0.00	0	4.42	0	0.00	0	0.00	0	0.00	0	0.00	0	2.55	1	0.00	0	15.51	10	0.63
TC-11-3	0.63	1	1.80	2	13.29	0	0.00	0	3.92	2	0.00	0	0.00	0	0.76	0	0.02	0	12.66	7	0.55
TC-11-4	58.15	50	0.00	0	0.00	0	0.00	0	0.67	0	0.00	0	0.00	0	0.96	0	2.38	3	44.39	26	0.58
TC-11-5	13.12	11	0.00	0	21.46	1	0.00	0	20.50	10	0.00	0	0.00	0	12.41	6	0.00	0	15.32	8	0.55
TC-11-6	3.45	3	0.32	0	12.98	0	0.00	0	0.89	0	0.00	0	0.00	0	0.70	0	2.19	2	103.00	63	0.81
TC-11-7	0.04	0	0.00	0	15.54	0	0.00	0	1.39	1	0.00	0	0.00	0	24.39	11	0.00	0	51.38	24	0.48
TC-11-8	0.00	0	0.00	0	3.10	0	0.00	0	0.00	0	0.00	0	5.08	0	22.11	10	0.00	0	47.89	15	0.32
TC-11	4.58	4	0.04	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	31.29	15	8.90	10	43.34	24	0.56
TC-12	55.13	47	0.00	0	3.28	0	0.00	0	0.00	0	0.00	0	0.00	0	22.30	10	0.00	0	22.30	10	0.47
TC-13	29.85	26	0.00	0	13.54	0	0.00	0	0.00	0	0.00	0	0.00	0	68.03	32	0.00	0	78.94	36	0.47
TC-14-1	0.00	0	2.99	3	5.04	0	3.04	1	0.00	0	0.00	0	0.00	0	6.82	3	4.13	4	79.61	55	0.70
TC-14-2	0.00	0	0.05	0	2.89	0	0.00	0	0.00	0	0.00	0	0.00	0	26.07	12	1.68	2	41.13	29	0.71
TC-14	0.00	0	1.67	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	8.43	9	0.00	0	40.38	25	0.61
TC-15	1.35	1	0.00	0	3.07	0	0.00	0	0.00	0	0.00	0	0.00	0	78.51	37	0.00	0	78.57	37	0.47
TC-16	0.03	0	0.04	0	3.60	0	0.00	0	9.71	5	0.00	0	0.00	0	23.07	11	7.51	3	35.32	21	0.59
TC-17-1	0.03	0	0.00	0	36.84	1	0.00	0	0.00	0	0.00	0	0.00	0	1.17	1	2.01	2	17.85	9	0.48
TC-17-2	3.41	3	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	103.80	49	0.00	0	140.71	50	0.36
TC-17	25.91	22	0.00	0	1.84	0	0.00	0	0.41	0	0.00	0	0.00	0	13.38	8	0.00	0	13.41	6	0.47
TC-18	3.31	3	0.00	0	3.88	0	0.00	0	0.00	0	0.00	0	0.00	0	5.98	3	1.62	2	13.25	8	0.58
TC-19	0.00	0	0.00	0	4.12	0	0.00	0	0.00	0	0.00	0	0.00	0	28.44	13	0.00	0	58.23	38	0.61
TC-20	0.00	0	0.39	0	13.58	0	0.00	0	0.00	0	0.00	0	0.00	0	12.25	6	0.00	0	19.67	9	0.44
TC-21	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	44.08	21	0.00	0	57.64	21	0.37
TC-22	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	32.81	15	0.06	0	33.26	16	0.48
TC-23	0.00	0	0.48	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	107.98	51	0.00	0	107.98	51	0.47
TC-24-1	0.00	0	1.33	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	39.63	19	0.00	0	39.63	19	0.47
TC-24-2	0.00	0	2.34	3	0.00	0	0.19	0	0.00	0	0.00	0	0.00	0	47.54	22	1.41	2	49.42	24	0.49
TC-24	8.92	8	28.06	30	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	5.11	2	0.54	1	7.17	4	0.62
TC-25	0.00	0	5.78	6	2.64	0	24.62	7	0.00	0	0.00	0	32.75	3	8.69	3	0.45	0	9.48	6	0.65
Total:	465.78	401	54.33	58	487.27	15	48.93	13	79.41	37	0.00	0	232.89	21	1,289.47	606	132.33	142	2,789.02	1,293	0.48

Franklin Watershed Water Quality Modeling																					
City of Franklin SWMP Update-2002																					
Pollutant Loadings (Lb./ac-yr)																					
Phosphorous																					
0.86		1.07		0.03		0.27		0.47		0.27		0.09		0.47		1.07					
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)
WILLOWEDGE TRIBUTARY																					
WE-1-1	21.88	19	0.00	0	4.28	0	0.00	0	0.00	0	0.00	0	0.00	0	0.55	0	0.00	0	26.71	19	0.72
WE-1-2	74.41	84	0.00	0	7.13	0	0.00	0	0.00	0	0.00	0	0.00	0	3.16	1	0.00	0	84.70	86	0.78
WE-1-3	55.67	48	0.00	0	6.40	0	0.00	0	0.00	0	0.00	0	0.00	0	0.16	0	0.00	0	62.23	48	0.77
WE-1-4	158.39	136	0.00	0	17.53	1	0.00	0	0.00	0	0.00	0	0.00	0	7.92	4	0.00	0	183.83	140	0.76
WE-1-5	47.85	41	0.00	0	0.18	0	0.00	0	0.00	0	0.00	0	0.00	0	0.53	0	0.00	0	48.37	41	0.85
WE-1-6	28.37	24	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	4.35	2	0.00	0	31.47	26	0.82
WE-1	99.94	86	0.00	0	59.30	2	0.00	0	0.00	0	0.00	0	0.00	0	19.78	9	0.00	0	163.59	90	0.55
Total:	486.31	418	0.00	0	94.82	3	0.00	0	0.00	0	0.00	0	0.00	0	4.35	2	0.00	0	163.59	90	0.55
WOODVIEW TRIBUTARY																					
WT-1-1	95.47	82	0.00	0	0.00	0	0.00	0	21.35	10	0.00	0	22.85	2	0.89	0	0.00	0	140.56	95	0.67
WT-1-2	60.03	52	0.00	0	0.92	0	0.00	0	0.00	0	0.00	0	41.95	4	5.18	2	0.00	0	108.08	58	0.54
WT-1-3	2.03	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.70	0	10.57	5	0.00	0	13.30	7	0.51
WT-1-4	0.25	0	0.12	0	0.00	0	0.00	0	0.00	0	0.00	0	0.02	0	94.94	46	0.00	0	95.33	46	0.47
WT-1-5	2.45	2	0.00	0	16.06	0	0.00	0	0.00	0	0.00	0	0.00	0	13.32	6	0.00	0	31.83	9	0.28
WT-1-6	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	58.51	28	0.00	0	58.51	28	0.47
WT-1-7	4.20	4	0.00	0	0.02	0	0.00	0	0.00	0	0.00	0	0.00	0	21.02	10	0.00	0	25.24	13	0.53
WT-1-8	106.29	91	0.00	0	42.50	1	0.00	0	0.00	0	0.00	0	0.00	0	30.79	14	3.92	4	183.50	111	0.61
WT-1-9	16.13	14	0.00	0	6.10	0	0.00	0	0.00	0	0.00	0	0.00	0	0.89	0	0.00	0	23.13	14	0.63
WT-1-10	23.20	20	0.00	0	9.83	0	0.00	0	0.00	0	0.00	0	0.00	0	8.22	4	1.22	1	42.46	25	0.60
WT-1-11	9.92	9	0.00	0	0.17	0	0.00	0	0.00	0	0.00	0	0.00	0	0.03	0	0.00	0	10.12	9	0.85
WT-1-12	13.39	12	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	11.40	5	0.59	1	25.38	18	0.69
WT-1-13	0.53	0	0.00	0	6.29	0	0.00	0	0.00	0	0.00	0	0.00	0	35.39	17	0.00	0	42.21	17	0.41
WT-1-14	6.82	6	1.34	1	16.07	0	0.00	0	2.95	1	0.00	0	0.00	0	23.75	11	0.00	0	50.93	20	0.40
WT-1-15	44.14	38	1.19	1	0.47	0	0.00	0	5.53	3	0.00	0	0.00	0	9.57	4	0.00	0	60.90	46	0.76
WT-1	57.56	49	0.00	0	0.50	0	0.00	0	5.87	3	0.00	0	0.00	0	2.68	1	0.00	0	66.61	54	0.80
Total:	442.42	380	2.65	3	98.92	3	0.00	0	35.89	17	0.00	0	65.53	6	327.15	154	5.74	6	978.10	589	0.58
Grand Total	10,960.31	9,426	341.99	366	3,721.39	112	316.27	85	358.51	168	577.66	156	862.02	78	5,396.36	2,536	481.10	515	23,015.61	13,385	0.58

City of Franklin SWMP Update-2002																					
Pollutant Loadings (Lb./ac-yr)																					
Lead																					
0.10 2.70 0.10 2.40 0.32 2.40 0.10 0.32 2.70																					
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)
EAST BRANCH																					
EB-1	7.90	1	0.00	0	8.63	1	0.00	0	0.00	0	0.00	0	0.00	0							
EB-2-1	2.70	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0							
EB-2-2	0.15	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	104.35	33	0.00	0	120.89	35	0.29
EB-2	80.90	8	0.00	0	0.00	0	0.00	0	46.10	14	0.00	0	0.00	0	41.46	13	0.00	0	44.15	14	0.31
EB-3	26.42	3	1.52	4	25.10	3	0.00	0	2.79	1	0.00	0	0.00	0	3.45	1	0.00	0	48.71	16	0.32
EB-4-1	12.69	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	6.01	2	0.00	0	114.81	13	0.12
EB-4	74.73	7	0.00	0	1.44	0	0.00	0	4.95	2	0.00	0	0.00	0	6.14	2	0.00	0	34.07	9	0.26
EB-5-1	17.29	2	0.00	0	0.53	0	0.00	0	15.13	5	0.00	0	0.00	0	21.26	7	0.00	0	40.33	10	0.24
EB-5	62.80	6	0.00	0	0.64	0	0.00	0	0.00	0	0.00	0	0.00	0	23.20	7	0.00	0	113.59	20	0.17
EB-6	19.12	2	0.00	0	6.08	1	0.00	0	27.74	9	0.00	0	0.00	0	0.04	0	0.00	0	17.98	2	0.10
EB-7	13.90	1	0.00	0	0.00	0	0.00	0	1.53	0	0.00	0	0.00	0	35.70	11	0.00	0	132.32	27	0.21
EB-8-1	0.95	0	0.00	0	1.02	0	0.00	0	0.00	0	0.00	0	0.00	0	10.78	3	0.00	0	31.43	6	0.19
EB-8	33.12	3	0.00	0	21.37	2	0.00	0	0.00	0	0.00	0	0.00	0	0.75	0	0.00	0	14.67	2	0.11
EB-9	19.02	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	21.50	7	0.00	0	23.47	7	0.30
EB-10-1	42.94	4	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.38	0	0.00	0	55.87	6	0.11
EB-10-2	58.43	6	3.60	10	4.99	0	0.00	0	0.00	0	0.00	0	0.00	0	1.08	0	0.00	0	20.11	2	0.11
EB-10-3	42.75	4	0.00	0	9.90	1	0.00	0	0.00	0	0.00	0	0.00	0	27.38	9	0.00	0	75.31	14	0.18
EB-10-4	10.16	1	0.00	0	10.86	1	0.00	0	0.00	0	0.00	0	0.00	0	78.37	25	0.00	0	150.30	42	0.28
EB-10-5	11.70	1	22.10	60	4.68	0	0.00	0	0.00	0	0.00	0	0.00	0	35.51	11	0.00	0	89.12	17	0.19
EB-10	36.30	4	0.00	0	1.97	0	0.00	0	0.00	0	0.00	0	0.00	0	0.99	0	0.00	0	15.83	2	0.11
EB-11	70.09	7	0.00	0	1.22	0	0.00	0	0.00	0	0.00	0	0.00	0	0.01	0	0.00	0	36.79	61	1.71
EB-12	39.89	4	15.55	42	6.86	1	0.00	0	0.00	0	0.00	0	0.00	0	7.40	2	0.00	0	44.92	6	0.14
EB-13	47.20	5	1.69	5	0.24	0	3.83	9	8.85	2	0.00	0	0.00	0	8.11	3	0.00	0	84.86	10	0.12
EB-14	0.73	0	0.00	0	17.44	2	3.78	9	0.00	0	0.00	0	0.00	0	18.05	6	0.33	1	84.74	64	0.76
EB-15	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	27.93	9	2.63	7	100.67	38	0.36
EB-16	1.82	0	0.00	0	1.81	0	0.00	0	0.00	0	0.00	0	1.96	0	101.18	32	28.96	78	132.83	111	0.83
EB-17A	91.87	6	0.00	0	3.70	0	0.00	0	3.35	1	0.00	0	0.00	0	0.75	0	2.72	7	5.28	8	1.47
EB-17B	0.00	0	33.58	91	6.21	1	0.00	0	0.00	0	0.00	0	0.00	0	11.15	4	2.91	8	22.93	13	0.57
EB-18-1	8.07	1	0.00	0	0.00	0	5.86	14	0.00	0	0.00	0	0.00	0	8.30	3	0.00	0	76.37	9	0.12
EB-18-2	22.53	2	0.00	0	0.31	0	0.00	0	0.00	0	0.00	0	0.00	0	2.00	1	2.90	8	42.34	113	2.67
EB-18	0.32	0	0.00	0	0.20	0	0.00	0	9.37	3	0.00	0	0.00	0	20.07	6	0.00	0	28.45	7	0.28
EB-19	10.56	1	0.00	0	6.49	1	0.00	0	0.00	0	0.00	0	0.00	0	52.09	17	0.00	0	84.19	22	0.26
EB-20	39.28	4	0.00	0	5.45	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	6.81	1	0.10
EB-21	5.65	1	0.00	0	5.86	1	0.00	0	0.00	0	0.00	0	0.00	0	0.05	0	0.00	0	16.06	2	0.10
EB-22	16.88	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	9.44	3	0.00	0	54.58	8	0.14
EB-23-1	12.83	1	2.99	8	1.29	0	0.00	0	0.00	0	0.00	0	0.00	0	0.05	0	0.00	0	5.70	1	0.10
EB-23-2	4.36	0	1.71	5	0.73	0	0.00	0	0.00	0	0.00	0	0.00	0	5.70	2	0.00	0	22.88	4	0.15
EB-23	2.28	0	1.55	4	1.63	0	0.00	0	0.00	0	0.00	0	0.00	0	1.09	0	0.00	0	17.65	10	0.55
EB-24-1	34.85	3	0.00	0	17.32	2	0.00	0	0.00	0	0.00	0	0.00	0	7.86	3	0.00	0	15.57	8	0.50
EB-24-2	26.14	3	0.00	0	22.15	2	0.00	0	0.00	0	0.00	0	0.00	0	42.13	13	0.00	0	63.29	20	0.31
EB-24-3	7.51	1	0.00	0	37.31	4	0.00	0	0.00	0	0.00	0	0.00	0	27.05	9	0.00	0	84.06	14	0.17
EB-24	0.07	0	0.00	0	10.58	1	0.00	0	0.00	0	0.00	0	0.00	0	11.69	4	0.00	0	75.14	10	0.13
Total:	985.93	99	84.30	228	245.02	25	13.47	32	116.83	37	0.00	0	1.96	0	790.44	253	40.45	109	2,276.38	783	0.34

Franklin Watershed Water Quality Modeling																			City of Franklin SWMP Update-2002			
Pollutant Loadings (Lb./ac-yr)																			Lead			
0.10			2.70		0.10		2.40		0.32		2.40		0.10		0.32		2.70					
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)	
FOX RIVER																						
FX-1-1	0.00	0	0.00	0	3.80	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	3.80	0	0.10	
FX-1	41.26	4	0.00	0	9.71	1	0.00	0	0.00	0	0.00	0	0.00	0	3.25	1	2.83	8	57.05	14	0.24	
FX-2	76.97	8	1.25	3	11.51	1	16.68	40	0.00	0	7.39	18	0.00	0	8.43	3	0.00	0	122.23	73	0.59	
FX-3	7.88	1	0.09	0	4.73	0	13.10	31	0.00	0	104.02	250	0.00	0	2.05	1	0.00	0	131.68	283	2.15	
Total:	125.91	13	1.34	4	29.75	3	29.78	71	0.00	0	111.42	267	0.00	0	13.74	4	2.83	8	314.75	370	1.18	
LOWER BRANCH																						
LB-1-1	3.91	0	0.08	0	0.00	0	14.57	35	0.00	0	0.00	0	0.00	0	0.55	0	0.00	0	19.11	36	1.87	
LB-1	3.98	0	0.03	0	0.00	0	9.05	22	0.00	0	0.00	0	0.00	0	2.48	1	0.00	0	15.52	23	1.48	
LB-2-1	8.92	1	2.63	7	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	11.54	8	0.69	
LB-2-2	6.75	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	6.75	1	0.10	
LB-2	150.94	15	4.35	12	25.59	3	0.00	0	0.00	0	0.00	0	0.00	0	2.97	1	0.00	0	183.85	30	0.17	
Total:	174.47	17	7.09	19	25.59	3	23.62	57	0.00	0	0.00	0	0.00	0	6.00	2	0.00	0	238.77	98	0.41	
MIDDLE BRANCH																						
MB-1-1	66.97	7	0.00	0	24.55	2	0.00	0	0.00	0	0.00	0	0.00	0	0.09	0	0.00	0	91.60	9	0.10	
MB-1-2	101.44	10	0.03	0	34.49	3	11.39	29	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	147.86	42	0.29	
MB-1-3	35.17	4	0.00	0	4.62	0	0.00	0	0.00	0	0.00	0	0.06	0	4.55	1	0.00	0	44.40	5	0.12	
MB-1-4	10.50	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	36.96	4	3.06	1	0.00	0	50.51	6	0.11	
MB-1-5	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	9.51	1	0.01	0	0.00	0	9.52	1	0.10	
MB-1-6	34.91	3	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.71	0	3.92	1	0.00	0	39.55	5	0.12	
MB-1-7	14.33	1	0.00	0	31.23	3	0.00	0	0.00	0	0.00	0	134.56	13	0.00	0	0.00	0	180.12	18	0.10	
MB-1-8	1.55	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	45.42	5	0.00	0	0.00	0	46.97	5	0.10	
MB-1-9A	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.01	0	9.84	3	0.00	0	9.85	3	0.32	
MB-1-9B	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	8.90	3	0.00	0	8.90	3	0.32	
MB-1-10	17.47	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	3.33	1	0.00	0	20.80	3	0.14	
MB-1-11	113.99	11	0.15	0	8.13	1	5.09	12	0.00	0	0.00	0	0.00	0	2.43	1	0.00	0	129.78	26	0.20	
MB-1-12A	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	34.15	11	0.00	0	34.15	11	0.32	
MB-1-12B	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	34.86	11	0.00	0	34.86	11	0.32	
MB-1-13	48.41	5	1.88	5	5.23	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	55.52	10	0.19	
MB-1	110.50	11	0.00	0	47.17	5	0.00	0	0.00	0	0.00	0	0.00	0	7.42	2	0.00	0	165.09	18	0.11	
Total:	555.23	56	2.06	8	155.42	16	16.98	41	0.00	0	0.00	0	227.23	23	112.56	36	0.00	0	1,069.48	176	0.16	
NORTH BRANCH																						
NB-1	5.24	1	19.22	52	0.00	0	0.00	0	5.20	2	0.00	0	0.00	0	1.48	0	0.00	0	31.13	55	1.75	
NB-2	1.87	0	0.97	3	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.81	0	0.69	2	4.33	5	1.14	
Total:	7.11	1	20.19	55	0.00	0	0.00	0	5.20	2	0.00	0	0.00	0	2.29	1	0.69	2	35.47	59	1.68	

Franklin Watershed Water Quality Modeling																			City of Franklin SWMP Update-2002				
Pollutant Loadings (Lb./ac-yr)																			Lead				
0.10		2.70		0.10		2.40		0.32		2.40		0.10		0.32		2.70							
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)		
NORTH CENTRAL TRIBUTARY																							
NC-1	1.38	0	0.00	0	6.99	1	0.00	0	0.00	0	0.00	0	0.02	0	7.83	3	0.00	0	16.20	3	0.21		
NC-2	50.60	5	0.00	0	6.29	1	0.00	0	0.00	0	0.00	0	0.00	0	20.87	7	0.00	0	77.76	12	0.16		
NC-3	1.46	0	0.00	0	1.20	0	0.00	0	0.00	0	0.00	0	23.62	2	6.33	2	0.00	0	32.60	5	0.14		
NC-4-1	6.00	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	4.90	2	0.00	0	9.91	2	0.21		
NC-4-2	17.22	2	0.00	0	4.17	0	0.00	0	0.00	0	0.00	0	0.00	0	0.04	0	0.00	0	23.50	3	0.12		
NC-4-3	0.06	0	0.00	0	2.70	0	0.00	0	2.06	1	0.00	0	0.00	0	0.00	0	0.00	0	38.27	12	0.30		
NC-4-4	14.30	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	35.52	11	0.00	0	23.50	3	0.12		
NC-4	28.27	3	0.00	0	4.10	0	0.00	0	0.00	0	0.00	0	0.00	0	116.17	37	0.00	0	38.27	12	0.30		
NC-5	8.23	1	0.00	0	0.01	0	0.00	0	10.42	3	0.00	0	99.14	10	32.58	10	0.00	0	130.47	39	0.30		
NC-6	1.67	0	0.00	0	2.21	0	0.00	0	0.00	0	0.00	0	0.00	0	28.67	9	0.00	0	174.51	27	0.15		
NC-7-1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	28.67	9	0.00	0	36.82	10	0.27		
NC-7-2	0.04	0	0.00	0	41.66	4	0.00	0	0.00	0	0.00	0	0.00	0	9.26	3	0.00	0	13.14	3	0.26		
NC-7-3	42.58	4	17.18	46	6.80	1	0.00	0	0.00	0	0.00	0	0.00	0	28.37	9	0.00	0	28.37	9	0.32		
NC-7-4	0.86	0	25.44	69	0.09	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	41.60	4	0.10		
NC-7-5	29.42	3	2.85	8	9.97	1	0.00	0	0.00	0	0.00	0	0.00	0	63.94	20	5.33	14	135.83	86	0.63		
NC-7-6	20.09	2	0.00	0	9.95	1	0.00	0	0.00	0	0.00	0	0.00	0	8.51	2	1.15	3	34.03	74	2.17		
NC-7-7	48.21	6	0.00	0	2.26	0	0.00	0	0.00	0	0.00	0	0.00	0	3.40	1	10.19	28	55.83	40	0.72		
NC-7-8	24.63	2	0.00	0	1.12	0	0.00	0	0.00	0	0.00	0	0.00	0	3.39	1	5.33	14	38.76	18	0.48		
NC-7	50.40	5	0.00	0	1.08	0	0.00	0	0.00	0	0.00	0	0.00	0	10.30	3	14.23	38	74.99	47	0.62		
NC-8	1.31	0	0.00	0	5.02	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	2.02	5	27.68	8	0.29		
NC-9	3.98	0	0.00	0	8.44	1	0.00	0	0.00	0	0.00	0	0.00	0	12.08	4	7.74	21	71.31	30	0.42		
NC-10	6.01	1	0.00	0	5.23	1	0.00	0	0.00	0	0.00	0	0.00	0	14.22	5	0.00	0	20.55	5	0.25		
NC-11-1	34.16	3	0.00	0	0.49	0	0.00	0	0.00	0	0.00	0	0.00	0	0.75	0	1.26	3	14.43	5	0.34		
NC-11	33.96	3	0.00	0	4.60	0	0.00	0	0.00	0	0.00	0	0.00	0	30.87	10	0.00	0	42.11	11	0.26		
NC-12-1	16.27	2	0.00	0	3.59	0	0.00	0	0.00	0	0.00	0	0.00	0	37.68	12	0.00	0	72.23	15	0.21		
NC-12-2	36.60	4	0.00	0	15.53	2	0.00	0	0.00	0	0.00	0	0.00	0	7.01	2	0.00	0	45.47	6	0.13		
NC-12-6	21.62	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	16.89	5	2.66	7	39.12	14	0.37		
NC-12	7.13	1	5.16	14	8.00	1	0.00	0	0.00	0	0.00	0	0.00	0	25.21	8	0.00	0	77.34	13	0.17		
NC-13-1	0.00	0	0.45	1	0.00	0	0.00	0	0.01	0	0.00	0	0.00	0	1.67	1	0.00	0	23.29	3	0.12		
NC-13-2	68.77	7	5.88	16	69.29	7	0.00	0	0.00	0	0.00	0	0.02	0	39.41	13	4.18	11	63.89	39	0.62		
NC-13-3	0.00	0	1.14	3	0.00	0	0.00	0	3.72	1	0.00	0	0.00	0	6.54	2	2.15	8	9.16	9	0.99		
NC-13-4	0.82	0	3.42	9	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	9.70	3	15.70	42	173.05	76	0.44		
NC-13-15	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	10.35	3	2.39	6	13.89	13	0.93		
NC-13	23.11	2	0.02	0	13.79	1	0.00	0	0.00	0	0.00	0	0.00	0	7.38	2	3.39	9	15.00	21	1.39		
NC-14-1	7.30	1	0.00	0	1.16	0	0.00	0	12.79	4	0.00	0	0.00	0	20.49	7	0.29	1	22.11	7	0.34		
NC-14-2	63.83	6	3.21	9	18.42	2	0.77	2	0.00	0	0.00	0	10.23	1	63.72	17	7.29	20	120.95	46	0.38		
NC-14-3	3.04	0	0.00	0	2.30	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.67	5	10.13	5	0.63		
NC-14-4	26.80	3	2.26	8	2.87	0	0.00	0	0.00	0	0.00	0	0.00	0	15.53	5	7.86	21	109.62	45	0.41		
NC-14-5	7.44	1	0.00	0	1.60	0	0.00	0	0.00	0	0.00	0	0.00	0	0.89	0	1.73	5	7.95	5	0.69		
NC-14-6	39.28	4	0.98	3	22.35	2	7.16	17	0.00	0	0.00	0	0.00	0	11.95	4	4.30	12	48.19	25	0.51		
NC-14-7	12.17	1	0.00	0	4.73	0	4.00	10	0.00	0	0.00	0	0.00	0	7.92	3	0.00	0	16.95	3	0.20		
NC-14-8	5.20	1	0.00	0	2.33	0	1.78	4	0.00	0	0.00	0	0.00	0	13.34	4	3.66	10	86.76	40	0.46		
NC-14-9	90.03	9	0.00	0	35.44	4	0.00	0	0.00	0	0.00	0	0.00	0	2.58	1	0.91	2	24.44	15	0.80		
NC-14-10	23.14	2	0.38	1	35.24	4	0.00	0	0.00	0	0.00	0	2.08	0	0.33	0	1.67	4	11.20	9	0.84		
NC-14	37.07	4	0.00	0	12.85	1	0.00	0	0.00	0	0.00	0	0.00	0	7.86	3	2.79	8	138.19	23	0.17		
NC-15-1	4.86	0	0.00	0	7.22	1	0.00	0	0.00	0	0.00	0	0.00	0	1.95	1	2.23	6	62.94	14	0.21		
NC-15-2	19.11	2	0.00	0	10.95	1	0.00	0	0.00	0	0.00	0	0.00	0	27.89	9	2.58	7	52.26	6	0.11		
NC-15-3	2.50	0	0.00	0	0.03	0	0.00	0	0.00	0	0.00	0	0.00	0	2.57	1	1.20	3	42.56	17	0.40		
NC-15	13.87	1	5.98	16	18.61	2	0.00	0	0.00	0	0.00	0	0.00	0	2.12	1	1.83	5	33.82	7	0.21		
Total:	953.68	95	74.33	201	411.85	41	13.72	33	29.01	9	0.00	0	135.10	14	772.83	247	125.08	338	2,515.80	978	0.39		

Franklin Watershed Water Quality Modeling																			City of Franklin SWMP Update-2002			
Pollutant Loadings (Lb./ac-yr)																			Lead			
0.10		2.70		0.10		2.40		0.32		2.40		0.10		0.32		2.70						
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)	
OAKWOOD BRANCH																						
OB-1	29.88	3	0.00	0	9.51	1	0.00	0	0.00	0	0.00	0	0.02	0	0.03	0	0.00	0	39.24	4	0.10	
OB-2	173.71	17	0.00	0	9.81	1	0.00	0	0.00	0	0.00	0	0.00	0	5.55	2	0.00	0	189.07	20	0.11	
OB-3	83.58	8	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	12.95	4	0.00	0	96.53	13	0.13	
OB-4	29.47	3	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	2.42	1	0.00	0	31.89	4	0.12	
OB-5-1	16.50	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.69	0	0.00	0	17.19	2	0.11	
OB-5	19.20	2	0.43	1	2.09	0	0.00	0	0.00	0	0.00	0	0.00	0	3.30	1	0.00	0	25.03	4	0.17	
OB-6-1	246.03	26	0.27	1	16.48	2	0.00	0	0.00	0	0.00	0	0.00	0	29.17	9	0.00	0	291.94	36	0.12	
OB-6-2	48.52	5	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	2.01	1	0.00	0	50.53	5	0.11	
OB-6-3	25.45	3	0.00	0	2.78	0	0.00	0	0.00	0	0.00	0	0.00	0	0.41	0	0.00	0	28.62	3	0.10	
OB-6-4	21.73	2	0.00	0	2.57	0	0.00	0	0.00	0	7.01	17	0.00	0	6.29	2	0.00	0	37.60	21	0.57	
OB-6	3.24	0	0.00	0	2.30	0	0.00	0	0.00	0	0.00	0	0.00	0	1.12	0	0.00	0	6.66	1	0.14	
OB-7	34.90	3	0.00	0	13.91	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	48.81	5	0.10	
OB-8	25.04	3	0.00	0	10.88	1	0.00	0	0.00	0	0.00	0	0.00	0	4.08	1	0.00	0	40.00	5	0.12	
OB-9	39.16	4	0.00	0	11.03	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	50.19	5	0.10	
OB-10	15.18	2	0.00	0	11.44	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	26.62	3	0.10	
OB-11	22.76	2	0.00	0	8.30	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	31.06	3	0.10	
OB-12	55.73	8	0.00	0	5.55	1	0.00	0	0.00	0	0.00	0	0.00	0	2.08	1	0.00	0	63.38	7	0.11	
OB-13-1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	118.34	284	0.00	0	3.20	1	0.00	0	121.53	285	2.35	
OB-13-2	6.89	1	0.00	0	6.43	1	0.00	0	0.00	0	70.33	169	0.00	0	1.81	1	0.00	0	85.46	171	2.00	
OB-13	170.41	17	0.00	0	3.95	0	0.00	0	0.00	0	0.17	0	0.00	0	2.58	1	0.00	0	177.09	19	0.11	
Total:	1,067.19	107	0.70	2	117.01	12	0.00	0	0.00	0	195.85	470	0.02	0	77.66	25	0.00	0	1,458.43	615	0.42	
UPPER OAK CREEK																						
OC-1	47.43	5	0.48	1	22.66	2	0.00	0	4.56	1	0.00	0	0.00	0	30.25	10	0.00	0	105.38	19	0.18	
OC-2-2	0.00	0	12.19	33	0.00	0	0.00	0	17.55	6	0.00	0	0.00	0	162.39	52	3.24	9	195.37	99	0.51	
OC-2	2.62	0	8.49	23	5.85	1	3.36	8	0.44	0	0.00	0	0.00	0	13.30	4	2.16	6	36.22	42	1.16	
OC-3	21.88	2	0.00	0	2.01	0	0.00	0	0.00	0	0.00	0	0.00	0	1.67	1	0.00	0	25.56	3	0.11	
OC-4-1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	10.47	3	0.82	2	11.09	5	0.45	
OC-4	1.73	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.07	0	15.56	5	0.95	3	18.31	8	0.42	
OC-5	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.60	0	3.47	9	25.98	12	0.45	
OC-6-1	21.36	2	0.00	0	0.00	0	0.00	0	4.81	2	0.00	0	2.53	0	6.48	2	1.22	3	15.04	7	0.48	
OC-6	1.70	0	0.00	0	0.10	0	0.00	0	0.00	0	0.00	0	0.55	0	0.60	0	3.47	9	25.98	12	0.45	
OC-7	15.39	2	0.00	0	0.00	0	0.00	0	1.52	0	0.00	0	0.00	0	31.66	10	9.31	25	57.88	37	0.64	
OC-8	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	64.92	21	2.95	8	67.87	29	0.42	
OC-9	14.53	1	0.00	0	4.66	0	0.00	0	3.35	1	0.00	0	0.00	0	131.12	42	0.07	0	153.73	45	0.29	
OC-10	0.00	0	0.00	0	0.00	0	0.00	0	0.53	0	0.00	0	0.00	0	78.14	24	0.00	0	76.68	25	0.32	
OC-11-1A	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	35.25	11	0.00	0	35.25	11	0.32	
OC-11-1B	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	35.25	11	0.00	0	35.25	11	0.32	
OC-11-2	0.01	0	0.00	0	6.16	1	0.00	0	0.00	0	0.00	0	0.00	0	52.02	17	0.00	0	58.18	17	0.30	
OC-11-3	3.55	0	0.00	0	0.35	0	0.00	0	0.00	0	0.00	0	0.00	0	5.72	2	0.00	0	9.62	2	0.23	
OC-11	30.29	3	0.00	0	25.27	3	0.00	0	0.00	0	0.00	0	0.00	0	42.73	14	0.00	0	98.29	19	0.20	
OC-12-1	7.40	1	0.00	0	2.88	0	0.00	0	0.00	0	0.00	0	3.00	0	87.97	28	0.00	0	101.06	29	0.29	
OC-12-2	0.05	0	0.00	0	0.87	0	0.00	0	0.00	0	0.00	0	0.00	0	18.59	6	0.00	0	19.51	6	0.31	
OC-12	0.00	0	0.00	0	6.36	1	0.00	0	0.00	0	0.00	0	0.67	0	17.18	5	0.00	0	24.20	6	0.26	
OC-13-1	17.39	2	1.27	3	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	7.76	2	0.00	0	26.42	8	0.29	
OC-13-2	18.66	2	0.00	0	2.54	0	0.00	0	0.00	0	0.00	0	0.00	0	6.08	2	0.00	0	27.29	4	0.15	
OC-13-3	8.15	1	0.00	0	7.85	1	0.00	0	0.00	0	0.00	0	0.00	0	23.13	7	0.00	0	39.13	9	0.23	
OC-13-4	6.21	1	0.00	0	6.33	1	0.00	0	0.00	0	0.00	0	0.00	0	22.85	7	0.00	0	35.38	9	0.24	
OC-13	17.28	2	10.38	28	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	24.22	8	0.00	0	51.88	38	0.72	
OC-14	4.59	0	7.26	20	0.00	0	3.78	9	0.00	0	0.00	0	0.00	0	28.29	9	0.00	0	43.90	38	0.87	
OC-15	74.32	7	0.00	0	0.83	0	0.00	0	0.00	0	0.00	0	0.00	0	1.01	0	0.00	0	76.15	8	0.10	
OC-16	12.50	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	4.36	1	0.00	0	16.86	3	0.16	
Total:	327.05	33	40.08	108	94.47	9	7.13	17	32.76	10	0.00	0	34.04	3	971.01	311	25.33	68	1,531.87	560	0.37	

Franklin Watershed Water Quality Modeling																					
City of Franklin SWMP Update-2002																					
Pollutant Loadings (Lb./ac-yr)																					
Lead																					
0.10 2.70 0.10 2.40 0.32 2.40 0.10 0.32 2.70																					
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)
ORCHARD VIEW TRIBUTARY																					
OV-1-1	0.32	0	0.00	0	3.82	0	0.00	0	0.00	0	0.00	0	0.30	0	98.79	32	0.00	0	103.22	32	0.31
OV-1	28.44	3	0.00	0	0.17	0	0.00	0	0.00	0	0.00	0	0.00	0	2.73	1	0.00	0	29.34	4	0.12
Total:	28.76	3	0.00	0	3.99	0	0.00	0	0.00	0	0.00	0	0.30	0	101.52	32	0.00	0	132.57	36	0.27
RYAN CREEK																					
RC-1	41.71	4	0.00	0	16.85	2	0.00	0	0.00	0	0.00	0	4.20	0	1.37	0	0.00	0	63.14	7	0.10
RC-2	0.05	0	0.00	0	15.97	2	0.00	0	0.00	0	0.00	0	0.00	0	10.34	3	0.00	0	28.38	5	0.19
RC-3-1	7.68	1	0.00	0	0.00	0	0.00	0	0.04	0	0.00	0	1.94	0	0.00	0	1.26	3	10.83	4	0.40
RC-3-2	3.44	0	0.00	0	0.00	0	0.00	0	3.16	1	0.00	0	1.88	0	0.00	0	0.47	1	8.93	3	0.31
RC-3-3	2.34	0	0.00	0	0.00	0	0.00	0	1.17	0	0.00	0	0.00	0	0.11	0	0.35	1	3.97	2	0.40
RC-3-4	73.10	7	1.51	4	2.87	0	0.00	0	0.00	0	0.00	0	0.00	0	0.11	0	0.65	2	218.07	37	0.17
RC-3	183.85	18	3.07	8	8.99	1	0.00	0	0.00	0	0.00	0	0.00	0	5.70	2	4.10	11	87.30	25	0.28
RC-4	49.13	5	0.00	0	9.96	1	0.00	0	0.00	0	0.00	0	0.00	0	23.50	8	0.65	2	218.07	37	0.17
RC-5-1	25.78	3	0.00	0	21.48	2	0.00	0	0.59	0	0.00	0	0.00	0	0.00	0	1.15	3	80.84	9	0.16
RC-5-2	22.57	2	0.00	0	5.93	1	0.00	0	0.00	0	0.00	0	0.00	0	10.09	3	5.96	16	63.28	24	0.38
RC-5-3	22.85	2	0.00	0	0.01	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	2.97	8	31.47	11	0.35
RC-5-4	2.53	0	0.00	0	16.59	2	0.00	0	0.00	0	0.00	0	0.00	0	54.72	18	0.00	0	77.38	20	0.26
RC-5	35.28	4	0.00	0	26.48	3	0.00	0	0.00	0	0.00	0	0.00	0	0.48	0	1.83	5	21.42	7	0.33
RC-6	48.73	5	0.00	0	53.29	5	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	61.78	8	0.10
RC-7	84.26	8	0.00	0	5.80	1	0.00	0	0.00	0	0.00	0	0.00	0	3.11	1	0.00	0	105.13	11	0.11
RC-8	27.53	3	0.00	0	0.31	0	0.00	0	0.00	0	0.00	0	0.00	0	0.78	0	0.00	0	90.82	9	0.10
RC-9-2	117.55	12	0.00	0	30.95	3	0.00	0	0.00	0	0.00	0	0.00	0	3.18	1	0.00	0	31.02	4	0.12
RC-9	76.08	8	0.00	0	2.85	0	0.00	0	0.00	0	0.00	0	0.00	0	9.77	3	0.00	0	158.27	18	0.11
RC-10	116.44	12	0.00	0	4.29	0	0.00	0	0.00	0	0.00	0	0.00	0	1.05	0	0.00	0	79.98	8	0.10
RC-10-1	12.94	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.64	0	0.00	0	121.28	12	0.10
RC-11-1	200.13	20	0.00	0	28.28	3	0.00	0	0.00	0	0.00	0	0.00	0	0.02	0	0.00	0	12.96	1	0.10
RC-11	223.03	22	0.00	0	59.42	8	0.00	0	0.00	0	0.00	0	0.00	0	12.49	4	0.00	0	240.90	27	0.11
RC-12	29.71	3	0.00	0	0.88	0	0.00	0	0.00	0	0.00	0	0.00	0	18.09	5	0.00	0	298.54	33	0.11
RC-13-1	36.02	4	0.00	0	5.13	1	0.00	0	0.00	0	0.00	0	0.00	0	0.28	0	0.00	0	30.88	3	0.10
RC-13	1.02	0	0.00	0	0.01	0	0.00	0	0.00	0	0.00	0	0.00	0	0.87	0	0.00	0	42.13	4	0.11
RC-14-1	19.00	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	5.37	2	0.00	0	6.39	2	0.28
RC-14	99.89	10	0.00	0	4.28	0	0.00	0	0.00	0	0.00	0	0.00	0	9.51	3	3.13	8	31.84	13	0.42
RC-15	19.71	2	0.00	0	2.15	0	0.00	0	0.00	0	0.00	0	0.00	0	1.39	0	2.72	7	108.29	18	0.17
RC-16-1	38.00	4	0.00	0	3.13	0	1.74	4	0.00	0	0.00	0	0.00	0	3.90	1	2.15	6	27.91	9	0.33
RC-16-2	87.18	9	0.00	0	0.87	0	0.00	0	0.00	0	0.00	0	0.00	0	1.15	0	1.18	3	45.19	12	0.26
RC-16	90.11	9	1.78	5	10.31	1	0.00	0	0.00	0	0.00	0	0.00	0	2.58	1	1.63	4	92.23	14	0.16
RC-17	36.89	4	0.00	0	10.80	1	0.00	0	0.00	0	0.00	0	0.00	0	0.18	0	2.64	7	104.98	22	0.21
RC-18-1	33.04	3	0.00	0	0.50	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.81	4	49.30	9	0.18
RC-18-2	188.63	17	0.00	0	34.58	3	0.00	0	0.00	0	0.00	0	0.00	0	2.87	1	0.00	0	36.41	4	0.12
RC-18-3	0.00	0	0.00	0	14.81	1	0.00	0	0.00	0	0.00	0	0.00	0	7.72	2	0.00	0	210.92	23	0.11
RC-18-4	51.49	5	0.00	0	9.95	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.01	0	14.62	1	0.10
RC-18-5	55.12	6	0.00	0	80.67	8	0.00	0	0.00	0	0.00	0	0.00	0	8.57	3	0.00	0	70.01	9	0.13
RC-18-6	66.89	7	0.88	2	31.81	3	1.11	3	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	115.79	12	0.10
RC-18-7	83.52	6	0.09	0	21.24	2	0.27	1	0.00	0	0.00	0	0.00	0	7.69	2	0.00	0	108.19	17	0.16
RC-18-8	10.11	1	0.00	0	1.31	0	0.00	0	0.00	0	0.00	0	0.00	0	1.80	1	0.01	0	86.72	10	0.11
RC-18-9	9.53	1	0.00	0	4.14	0	0.00	0	0.00	0	0.00	0	0.00	0	4.35	1	0.00	0	15.77	3	0.16
RC-18-10	81.22	8	0.80	2	49.87	5	0.00	0	0.00	0	0.00	0	0.00	0	0.13	0	0.00	0	13.80	1	0.10
RC-18-11	51.18	5	0.00	0	7.62	1	0.00	0	0.00	0	0.00	0	0.00	0	18.36	8	0.00	0	160.05	21	0.14
RC-18-12	16.37	2	0.00	0	4.29	0	0.00	0	0.00	0	0.00	0	0.00	0	3.57	1	0.00	0	82.36	7	0.11
RC-18	35.30	4	1.36	4	8.09	1	0.00	0	0.00	0	0.00	0	1.33	0	8.67	3	0.00	0	30.65	5	0.18
Total:	2,478.66	248	9.28	25	593.31	59	3.12	7	4.97	2	0.00	0	9.33	1	249.70	80	33.83	91	3,380.20	613	0.15

Pollutant Loadings (Lb./ac-yr)

Lead

	0.10		2.70		0.10		2.40		0.32		2.40		0.10		0.32		2.70				
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)
ROOT RIVER																					
RR-1	88.75	9	0.00	0	74.59	7	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	181.35	16	0.10
RR-2	77.98	8	0.00	0	49.75	5	0.00	0	0.00	0	0.00	0	0.00	0	5.45	2	0.00	0	133.18	15	0.11
RR-3	69.93	7	0.00	0	14.67	1	0.00	0	0.00	0	0.00	0	0.00	0	8.89	3	0.00	0	93.48	11	0.12
RR-4	58.85	6	0.00	0	19.97	2	0.00	0	0.00	0	0.00	0	0.00	0	6.55	2	0.00	0	83.37	10	0.12
RR-5-1	14.46	1	0.00	0	0.00	0	4.18	10	0.00	0	0.00	0	0.00	0	3.22	1	0.00	0	21.85	13	0.57
RR-5-2	2.68	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.14	0	0.00	0	2.83	0	0.11
RR-5	48.27	6	0.00	0	39.23	4	0.00	0	0.00	0	0.00	0	0.00	0	1.36	0	0.00	0	88.88	9	0.10
RR-6	8.83	1	0.00	0	18.11	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	24.93	2	0.10
RR-7	0.00	0	0.00	0	43.64	4	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	43.64	4	0.10
RR-8	7.08	1	0.00	0	12.42	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	19.50	2	0.10
RR-9-1	44.20	4	1.06	3	4.53	0	68.13	164	0.00	0	0.00	0	0.00	0	4.59	1	0.00	0	122.52	173	1.41
RR-9-2A	0.00	0	0.00	0	0.05	0	8.99	17	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	7.04	17	2.38
RR-9-2B	4.64	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	4.46	0	0.10
RR-9	24.84	2	0.00	0	4.57	0	0.00	0	0.00	0	0.00	0	0.00	0	3.34	1	0.00	0	32.75	4	0.12
RR-10	0.00	0	0.00	0	20.88	2	0.00	0	0.00	0	0.00	0	1.14	0	0.00	0	0.00	0	22.02	2	0.10
RR-11-1	1.71	0	9.20	25	0.00	0	32.81	79	0.00	0	0.00	0	0.00	0	0.00	0	3.28	9	47.00	113	2.40
RR-11-2	100.66	10	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	2.84	7	103.30	17	0.17
RR-11	55.43	6	2.11	6	73.58	7	18.07	43	0.00	0	0.00	0	0.00	0	8.29	2	1.55	4	167.03	68	0.43
RR-12	176.66	18	1.02	3	154.71	15	4.29	10	0.00	0	0.00	0	0.00	0	9.66	3	5.43	15	351.67	84	0.18
RR-13-1	108.28	11	0.73	2	0.66	0	0.00	0	22.99	7	1.11	3	15.05	2	2.66	1	3.67	10	155.14	35	0.23
RR-13	70.24	7	0.00	0	50.52	5	0.00	0	5.35	2	0.00	0	0.00	0	0.00	0	2.07	6	128.17	19	0.15
RR-14-1	38.52	4	3.22	9	9.15	1	0.00	0	0.00	0	0.00	0	0.00	0	10.61	3	0.00	0	61.51	17	0.27
RR-14-2	28.95	3	0.71	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.77	1	1.05	3	32.48	8	0.25
RR-14	82.34	8	1.90	5	13.12	1	0.00	0	0.00	0	0.00	0	0.72	0	4.88	2	5.41	15	108.37	31	0.29
RR-15-1	7.75	1	0.00	0	3.04	0	0.00	0	0.00	0	0.00	0	5.45	1	0.00	0	0.00	0	16.24	2	0.10
RR-15-2	5.91	1	0.00	0	5.18	1	0.00	0	0.00	0	0.00	0	0.00	0	1.09	0	0.00	0	13.18	2	0.12
RR-15-3	38.09	4	0.00	0	0.37	0	0.00	0	0.00	0	0.00	0	0.00	0	4.73	2	0.00	0	43.19	5	0.12
RR-15	157.27	16	0.00	0	13.33	1	0.00	0	0.00	0	0.00	0	22.59	2	0.49	0	0.00	0	193.68	19	0.10
RR-16	26.81	3	0.00	0	14.76	1	0.00	0	0.00	0	0.00	0	0.00	0	0.34	0	0.00	0	41.90	4	0.10
RR-17	58.92	6	0.00	0	27.40	3	0.00	0	0.00	0	0.00	0	0.00	0	2.41	1	0.00	0	88.73	9	0.11
RR-18-1	0.16	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	27.56	9	0.00	0	27.72	9	0.32
RR-18-2	13.78	1	0.00	0	0.63	0	0.00	0	0.00	0	0.00	0	0.00	0	15.21	5	0.00	0	29.63	6	0.21
RR-18	129.92	13	0.00	0	28.71	3	0.00	0	1.28	0	0.00	0	0.00	0	0.00	0	0.00	0	159.89	18	0.10
RR-19	11.51	1	0.00	0	17.75	2	0.00	0	0.00	0	0.00	0	0.00	0	9.50	3	0.00	0	38.76	8	0.15
RR-20	13.57	1	0.00	0	7.04	1	0.00	0	0.00	0	0.00	0	8.45	1	24.27	8	0.00	0	51.33	10	0.20
RR-21	101.04	10	1.23	3	27.77	3	1.82	4	0.00	0	240.28	577	0.00	0	8.32	3	8.62	23	388.89	623	1.60
RR-22-1	17.83	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	26.93	9	0.00	0	44.56	10	0.23
RR-22	51.41	5	0.00	0	8.85	1	0.00	0	0.00	0	0.00	0	0.00	0	18.17	6	0.00	0	78.43	12	0.15
RR-23-1	0.04	0	0.00	0	0.01	0	0.00	0	0.00	0	0.00	0	0.00	0	45.06	14	0.00	0	45.11	14	0.32
RR-23	43.18	4	0.00	0	14.12	1	0.00	0	0.00	0	25.52	61	0.00	0	19.16	6	1.11	3	103.09	76	0.74
RR-24	38.83	4	0.32	1	16.86	2	8.14	15	0.00	0	0.00	0	0.00	0	4.89	2	5.19	14	71.85	37	0.51
RR-25-1	42.09	4	12.71	34	49.05	5	0.00	0	0.00	0	0.00	0	0.00	0	4.86	1	18.94	51	127.45	96	0.75
RR-25	81.93	8	0.03	0	51.49	5	4.57	11	1.81	1	0.00	0	0.00	0	7.94	3	1.97	5	149.73	33	0.22
RR-26-1	1.09	0	0.05	0	0.00	0	0.00	0	0.00	0	0.21	1	0.00	0	90.59	29	5.09	14	97.05	44	0.45
RR-26-2	64.94	6	0.00	0	8.74	1	0.00	0	0.03	0	0.00	0	0.00	0	21.66	7	5.14	14	100.50	28	0.28
RR-26-3	43.20	4	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.47	0	0.00	0	48.05	5	0.12
RR-26-4A	0.00	0	0.00	0	2.28	0	0.00	0	0.00	0	0.00	0	0.00	0	36.26	12	0.00	0	38.53	12	0.31
RR-26-4B	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	23.27	7	0.00	0	23.27	7	0.32
RR-26-5	4.08	0	0.00	0	3.33	0	0.00	0	1.58	1	0.00	0	0.00	0	55.21	18	0.00	0	64.19	19	0.29
RR-26-26																					

Pollutant Loadings (Lb./ac-yr)																					
Lead																					
0.10		2.70		0.10		2.40		0.32		2.40		0.10		0.32		2.70					
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)
ROOT RIVER CANAL																					
RRC-1	2.12	0	0.00	0	20.16	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	22.27	2	0.10
RRC-2	92.75	9	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	98.67	11	0.11
RRC-3-1	25.85	3	0.00	0	32.24	3	0.00	0	0.00	0	0.00	0	0.00	0	5.92	2	0.00	0	59.10	6	0.10
RRC-3	69.78	7	0.00	0	0.34	0	0.00	0	0.00	0	0.00	0	0.00	0	1.01	0	0.00	0	72.18	8	0.11
RRC-4	17.50	2	0.00	0	35.93	4	0.00	0	0.00	0	0.00	0	0.00	0	2.09	1	0.00	0	60.58	8	0.13
RRC-5	1.97	0	0.00	0	34.10	3	0.00	0	0.00	0	0.00	0	0.00	0	7.15	2	0.00	0	38.48	4	0.10
RRC-6	59.36	6	0.00	0	6.33	1	0.00	0	0.00	0	0.00	0	0.00	0	0.41	0	0.00	0	65.72	7	0.10
Total:	269.31	27	0.00	0	129.10	13	0.00	0	0.00	0	0.00	0	0.00	0	0.02	0	0.00	0	415.00	45	0.11
TESS CORNERS CREEK																					
TC-1	5.02	1	0.00	0	16.22	2	0.00	0	0.00	0	0.00	0	0.15	0	1.43	0	0.00	0	22.83	3	0.11
TC-2	0.20	0	0.00	0	60.20	6	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	210.35	21	0.10
TC-3	53.82	5	0.00	0	101.54	10	0.00	0	0.00	0	0.00	0	149.95	15	0.00	0	0.00	0	307.61	73	0.24
TC-4-1	28.43	3	0.00	0	76.50	8	0.00	0	0.00	0	0.00	0	21.70	2	124.70	40	5.84	16	172.62	79	0.46
TC-4-2	20.19	2	0.00	0	0.00	0	0.00	0	6.50	2	0.00	0	0.00	0	41.68	13	19.50	53	25.11	11	0.48
TC-4-3A	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.61	1	3.31	9	6.24	2	0.32
TC-4-3B	15.45	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	6.24	2	0.00	0	15.46	2	0.10
TC-4-4	21.45	2	0.00	0	0.08	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	37.29	10	0.26
TC-4	2.07	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	14.65	5	1.10	3	14.96	30	2.03
TC-4-5	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.81	0	0.00	0	11.08	30	35.22	17	0.48
TC-5	7.28	1	6.18	17	0.00	0	0.00	0	0.00	0	0.00	0	20.85	2	10.03	3	4.34	12	42.05	59	1.40
TC-6	2.29	0	0.00	0	6.24	1	0.00	0	0.72	0	0.00	0	0.00	0	14.34	5	13.54	37	11.56	9	0.74
TC-7	0.00	0	0.00	0	20.91	2	0.00	0	0.00	0	0.00	0	0.00	0	0.21	0	2.81	8	43.14	18	0.42
TC-8-1A	0.00	0	0.00	0	0.00	0	16.34	39	0.00	0	0.00	0	0.00	0	1.18	0	3.77	10	16.34	39	2.40
TC-8-1B	17.54	2	2.98	8	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	58.91	30	0.51
TC-8	30.81	3	0.00	0	4.18	0	0.00	0	0.49	0	0.00	0	0.00	0	34.51	11	3.38	9	44.35	11	0.24
TC-9-1	6.36	1	0.00	0	2.82	0	0.00	0	0.00	0	0.00	0	0.00	0	7.88	2	1.68	5	28.09	7	0.26
TC-9-2	0.20	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	19.91	6	0.00	0	37.16	12	0.32
TC-9-3	6.83	1	0.00	0	6.97	1	0.00	0	7.27	2	0.00	0	0.68	0	29.11	9	0.00	0	84.58	24	0.28
TC-9	0.00	0	0.11	0	23.35	2	0.00	0	8.54	3	0.00	0	0.00	0	70.98	23	0.00	0	115.16	38	0.33
TC-10	9.83	1	0.00	0	3.13	0	0.00	0	0.00	0	0.00	0	0.00	0	80.63	26	2.53	7	15.51	2	0.14
TC-11-1	7.45	1	0.00	0	4.42	0	0.00	0	0.00	0	0.00	0	0.00	0	2.55	1	0.00	0	12.66	1	0.12
TC-11-2	23.84	2	0.00	0	13.29	1	0.00	0	3.92	1	0.00	0	0.00	0	0.76	0	0.02	0	44.39	12	0.26
TC-11-3	0.63	0	1.60	4	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.96	0	2.38	6	15.32	9	0.56
TC-11-4	58.15	6	0.00	0	21.46	2	0.00	0	0.67	0	0.00	0	0.00	0	12.41	4	0.00	0	103.00	21	0.20
TC-11-5	13.12	1	0.00	0	12.98	1	0.00	0	20.50	7	0.00	0	0.00	0	0.70	0	2.19	6	51.38	11	0.21
TC-11-6	3.45	0	0.32	1	15.54	2	0.00	0	0.89	0	0.00	0	0.00	0	24.39	8	0.00	0	47.89	11	0.23
TC-11-7	0.04	0	0.00	0	3.10	0	0.00	0	1.39	0	0.00	0	5.08	1	22.11	7	0.00	0	43.34	34	0.79
TC-11-8	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	31.29	10	8.90	24	22.30	7	0.32
TC-11	4.58	0	0.04	0	3.28	0	0.00	0	0.00	0	0.00	0	0.00	0	22.30	7	0.00	0	75.94	23	0.30
TC-12	65.13	6	0.00	0	13.64	1	0.00	0	0.00	0	0.00	0	0.00	0	68.03	22	0.00	0	79.61	20	0.25
TC-13	29.85	3	0.00	0	5.04	1	3.04	7	0.00	0	0.00	0	0.00	0	6.82	2	4.13	11	41.13	16	0.38
TC-14-1	0.00	0	2.99	8	2.89	0	0.00	0	0.00	0	0.00	0	0.00	0	1.51	0	1.88	5	40.38	39	0.98
TC-14-2	0.00	0	0.05	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	26.07	8	6.43	23	78.57	25	0.32
TC-14	0.00	0	1.87	5	3.07	0	0.00	0	0.00	0	0.00	0	0.00	0	78.51	25	0.00	0	36.32	32	0.92
TC-15	1.35	0	0.00	0	3.60	0	0.00	0	0.00	0	0.00	0	0.00	0	23.07	7	7.51	20	17.85	9	0.53
TC-16	0.03	0	0.04	0	36.84	4	0.00	0	9.71	3	0.00	0	0.00	0	1.17	0	2.01	5	140.71	37	0.26
TC-17-1	0.03	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	103.80	33	0.00	0	13.41	4	0.32
TC-17-2	3.41	0	0.00	0	1.84	0	0.00	0	0.00	0	0.00	0	0.00	0	13.38	4	0.00	0	5.98	2	0.52
TC-17	25.91	3	0.00	0	3.88	0	0.00	0	0.41	0	0.00	0	0.00	0	6.98	2	1.62	4	13.25	7	0.21
TC-18	3.31	0	0.00	0	4.12	0	0.00	0	0.00	0	0.00	0	0.00	0	28.44	9	0.00	0	58.23	12	0.21
TC-19	0.00	0	0.00	0	13.58	1	0.00	0	0.00	0	0.00	0	0.00	0	12.25	4	0.00	0	19.67	5	0.24
TC-20	0.00	0	0.39	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	44.06	14	0.00	0	57.64	15	0.27
TC-21	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	32.81	10	0.06	0	33.26	12	0.35
TC-22	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	107.98	35	0.00	0	107.98	35	0.32
TC-23	0.00	0	0.48	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	39.63	13	0.00	0	39.63	13	0.32
TC-24-1	0.00	0	1.33	4	0.00	0	0.19	0	0.00	0	0.00	0	0.00	0	47.54	16	1.41	4	49.42	20	0.41
TC-24-2	0.00	0	2.34	6	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	5.11	2	0.54	1	7.17	7	1.00
TC-24	8.92	1	28.06	76	2.64	0	24.62	59	0.00	0	0.00	0	0.00	0	6.69	2	0.45	1	9.48	10	1.02
TC-25	0.00	0	5.76	16	0.00	0	2.74	7	1.12	0	0.00	0	32.75	3	38.23	12	18.03	49	151.25	200	1.32
Total:	465.78	47	54.33	147	487.27	49	46.93	113	79.41	25	0.00	0	232.89	23	1,289.47	413	132.93	359	2,789.02	1,175	0.42

Franklin Watershed Water Quality Modeling																			City of Franklin SWMP Update-2002		
Pollutant Loadings (Lb./ac-yr)																			Lead		
		0.10		2.70		0.10		2.40		0.32		2.40		0.10		0.32		2.70			
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)
WILLOWEDGE TRIBUTARY																					
WE-1-1	21.88	2	0.00	0	4.28	0	0.00	0	0.00	0	0.00	0	0.00	0	0.55	0	0.00	0	26.71	3	0.10
WE-1-2	74.41	7	0.00	0	7.13	1	0.00	0	0.00	0	0.00	0	0.00	0	3.16	1	0.00	0	84.70	9	0.11
WE-1-3	65.67	6	0.00	0	6.40	1	0.00	0	0.00	0	0.00	0	0.00	0	0.16	0	0.00	0	82.23	8	0.10
WE-1-4	158.39	16	0.00	0	17.53	2	0.00	0	0.00	0	0.00	0	0.00	0	7.92	3	0.00	0	183.83	20	0.11
WE-1-5	47.85	5	0.00	0	0.18	0	0.00	0	0.00	0	0.00	0	0.00	0	0.53	0	0.00	0	48.37	5	0.10
WE-1-6	28.37	3	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	3.10	1	0.00	0	31.47	4	0.12
WE-1	99.94	10	0.00	0	59.30	6	0.00	0	0.00	0	0.00	0	0.00	0	4.35	1	0.00	0	163.99	17	0.11
Total:	486.31	49	0.00	0	94.82	9	0.00	0	0.00	0	0.00	0	0.00	0	19.78	6	0.00	0	600.90	64	0.11
WOODVIEW TRIBUTARY																					
WT-1-1	96.47	10	0.00	0	0.00	0	0.00	0	21.35	7	0.00	0	22.85	2	0.89	0	0.00	0	140.56	19	0.13
WT-1-2	60.03	6	0.00	0	0.92	0	0.00	0	0.00	0	0.00	0	41.95	4	5.18	2	0.00	0	108.08	12	0.11
WT-1-3	2.03	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.70	0	10.57	3	0.00	0	13.30	4	0.27
WT-1-4	0.25	0	0.12	0	0.00	0	0.00	0	0.00	0	0.00	0	0.02	0	94.94	30	0.00	0	95.33	31	0.32
WT-1-5	2.45	0	0.00	0	16.06	2	0.00	0	0.00	0	0.00	0	0.00	0	13.32	4	0.00	0	31.83	6	0.19
WT-1-6	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	58.51	19	0.00	0	58.51	19	0.32
WT-1-7	4.20	0	0.00	0	0.02	0	0.00	0	0.00	0	0.00	0	0.00	0	21.02	7	0.00	0	25.24	7	0.28
WT-1-8	106.29	11	0.00	0	42.50	4	0.00	0	0.00	0	0.00	0	0.00	0	30.79	10	3.92	11	183.50	35	0.19
WT-1-9	16.13	2	0.00	0	8.10	1	0.00	0	0.00	0	0.00	0	0.00	0	0.89	0	0.00	0	23.13	3	0.11
WT-1-10	23.20	2	0.00	0	9.83	1	0.00	0	0.00	0	0.00	0	0.00	0	8.22	3	1.22	3	42.46	9	0.22
WT-1-11	9.92	1	0.00	0	0.17	0	0.00	0	0.00	0	0.00	0	0.00	0	0.03	0	0.00	0	10.12	1	0.10
WT-1-12	13.39	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	11.40	4	0.59	2	25.38	7	0.26
WT-1-13	0.53	0	0.00	0	6.29	1	0.00	0	0.00	0	0.00	0	0.00	0	35.39	11	0.00	0	42.21	12	0.28
WT-1-14	6.82	1	1.34	4	16.07	2	0.00	0	2.95	1	0.00	0	0.00	0	23.75	8	0.00	0	50.93	14	0.26
WT-1-15	44.14	4	1.19	3	0.47	0	0.00	0	5.53	2	0.00	0	0.00	0	9.67	3	0.00	0	60.90	13	0.21
WT-1	57.56	6	0.00	0	0.50	0	0.00	0	5.87	2	0.00	0	0.00	0	2.68	1	0.00	0	66.61	9	0.13
Total:	442.42	44	2.65	7	98.92	10	0.00	0	35.69	11	0.00	0	65.53	7	327.16	105	5.74	15	978.10	199	0.20
Grand Total	10,960.31	1,096	341.99	923	3,721.39	372	316.27	759	358.51	115	577.66	1,386	862.02	86	5,396.36	1,727	481.10	1,299	23,015.61	7,810	0.34

Franklin Watershed Water Quality Modeling

City of Franklin SWMP Update-2002

Pollutant Loadings (Lb./ac-yr)

Copper

Copper																					
0.10			0.40		0.10		0.50		0.14		0.50		0.10		0.14		0.40				
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Comimerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)
EAST BRANCH																					
EB-1	7.90	1	0.00	0	8.83	1	0.00	0	0.00	0	0.00	0	0.00	0							
EB-2-1	2.70	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	104.35	15	0.00	0	120.89	16	0.13
EB-2-2	0.15	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	41.45	6	0.00	0	44.15	6	0.14
EB-2	80.90	8	0.00	0	25.10	3	0.00	0	45.10	8	0.00	0	0.00	0	3.45	0	0.00	0	48.71	7	0.14
EB-3	26.42	3	1.52	1	0.00	0	0.00	0	2.79	0	0.00	0	0.00	0	6.01	1	0.00	0	114.81	12	0.10
EB-4-1	12.69	1	0.00	0	1.44	0	0.00	0	0.00	0	0.00	0	0.00	0	6.14	1	0.00	0	34.07	4	0.12
EB-4	74.73	7	0.00	0	0.63	0	0.00	0	4.95	1	0.00	0	0.00	0	21.28	3	0.00	0	40.33	5	0.13
EB-5-1	17.29	2	0.00	0	0.64	0	0.00	0	15.13	2	0.00	0	0.00	0	23.20	3	0.00	0	113.59	13	0.11
EB-5	62.80	6	0.00	0	8.08	1	0.00	0	0.00	0	0.00	0	0.00	0	0.04	0	0.00	0	17.98	2	0.10
EB-6	19.12	2	0.00	0	0.00	0	0.00	0	27.74	4	0.00	0	0.00	0	10.78	2	0.00	0	132.32	16	0.12
EB-7	13.90	1	0.00	0	0.00	0	0.00	0	1.53	0	0.00	0	0.00	0	35.70	5	0.00	0	31.43	4	0.12
EB-8-1	0.95	0	0.00	0	1.02	0	0.00	0	0.00	0	0.00	0	0.00	0	0.76	0	0.00	0	14.67	1	0.10
EB-8	33.12	3	0.00	0	21.37	2	0.00	0	0.00	0	0.00	0	0.00	0	21.50	3	0.00	0	23.47	3	0.14
EB-9	19.02	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.38	0	0.00	0	55.87	6	0.10
EB-10-1	42.94	4	0.00	0	4.99	0	0.00	0	0.00	0	0.00	0	0.00	0	1.08	0	0.00	0	20.11	2	0.10
EB-10-2	68.43	6	3.60	1	9.90	1	0.00	0	0.00	0	0.00	0	0.00	0	27.38	4	0.00	0	75.31	9	0.11
EB-10-3	42.75	4	0.00	0	10.86	1	0.00	0	0.00	0	0.00	0	0.00	0	78.37	11	0.00	0	150.30	19	0.13
EB-10-4	10.16	1	0.00	0	4.88	0	0.00	0	0.00	0	0.00	0	0.00	0	35.51	5	0.00	0	89.12	10	0.12
EB-10-5	11.70	1	22.10	9	1.97	0	0.00	0	0.00	0	0.00	0	0.00	0	0.99	0	0.00	0	15.83	2	0.10
EB-10	38.30	4	0.00	0	1.22	0	0.00	0	0.00	0	0.00	0	0.00	0	0.01	0	0.00	0	35.79	10	0.29
EB-11	70.09	7	0.00	0	8.66	1	0.00	0	0.00	0	0.00	0	0.00	0	7.40	1	0.00	0	44.92	5	0.11
EB-12	39.89	4	15.55	6	0.24	0	3.83	2	8.85	1	0.00	0	0.00	0	8.11	1	0.00	0	84.86	9	0.10
EB-13	47.20	5	1.69	1	17.44	2	3.78	2	0.00	0	0.00	0	0.00	0	18.05	3	0.33	0	84.74	16	0.19
EB-14	0.73	0	0.00	0	0.00	0	0.00	2	0.00	0	0.00	0	0.00	0	27.93	4	2.63	1	100.67	14	0.14
EB-15	0.00	0	0.00	0	1.81	0	0.00	0	0.00	0	0.00	0	1.96	0	101.18	14	28.98	12	132.83	26	0.20
EB-16	1.82	0	0.00	0	3.70	0	0.00	0	0.00	0	0.00	0	0.00	0	0.75	0	2.72	1	5.28	1	0.26
EB-17A	61.87	6	0.00	0	6.21	1	0.00	0	3.35	0	0.00	0	0.00	0	11.15	2	2.91	1	22.93	4	0.16
EB-17B	0.00	0	33.58	13	0.00	0	5.86	3	0.00	0	0.00	0	0.00	0	8.30	1	0.00	0	76.37	8	0.10
EB-18-1	8.07	1	0.00	0	0.31	0	0.00	0	0.00	0	0.00	0	0.00	0	2.00	0	2.90	1	42.34	18	0.42
EB-18-2	22.53	2	0.00	0	0.20	0	0.00	0	0.00	0	0.00	0	0.00	0	20.07	3	0.00	0	28.45	4	0.13
EB-18	0.32	0	0.00	0	8.49	1	0.00	0	9.37	1	0.00	0	0.00	0	52.09	7	0.00	0	84.19	11	0.13
EB-19	10.56	1	0.00	0	5.45	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	6.81	1	0.10
EB-20	39.28	4	0.00	0	5.86	1	0.00	0	0.00	0	0.00	0	0.00	0	0.05	0	0.00	0	16.06	2	0.10
EB-21	5.65	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	9.44	1	0.00	0	54.58	6	0.11
EB-22	16.88	2	0.00	0	1.29	0	0.00	0	0.00	0	0.00	0	0.00	0	0.05	0	0.00	0	6.70	1	0.10
EB-23-1	12.83	1	2.99	1	0.73	0	0.00	0	0.00	0	0.00	0	0.00	0	5.70	1	0.00	0	22.88	3	0.11
EB-23-2	4.36	0	1.71	1	1.63	0	0.00	0	0.00	0	0.00	0	0.00	0	1.09	0	0.00	0	17.85	3	0.15
EB-23	2.28	0	1.55	1	17.32	2	0.00	0	0.00	0	0.00	0	0.00	0	7.66	1	0.00	0	15.57	2	0.16
EB-24-1	34.85	3	0.00	0	22.15	2	0.00	0	0.00	0	0.00	0	0.00	0	42.13	6	0.00	0	63.29	8	0.13
EB-24-2	26.14	3	0.00	0	37.31	4	0.00	0	0.00	0	0.00	0	0.00	0	27.05	4	0.00	0	84.06	9	0.11
EB-24-3	7.51	1	0.00	0	10.58	1	0.00	0	0.00	0	0.00	0	0.00	0	11.69	2	0.00	0	75.14	8	0.11
EB-24	0.07	0	0.00	0	1.19	0	0.00	0	0.00	0	0.00	0	0.00	0	1.27	0	0.00	0	19.37	2	0.10
Total:	985.93	99	84.30	34	245.02	25	13.47	7	116.83	16	0.00	0	1.96	0	790.44	111	40.45	16	2,278.38	307	0.13

Franklin Watershed Water Quality Modeling																			City of Franklin SWMP Update-2002		
Pollutant Loadings (Lb./ac-yr)																			Copper		
	0.10		0.40		0.10		0.50		0.14		0.50		0.10		0.14		0.40				
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)
FOX RIVER																					
FX-1-1	0.00	0	0.00	0	3.80	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	3.80	0	0.10
FX-1	41.26	4	0.00	0	9.71	1	0.00	0	0.00	0	0.00	0	0.00	0	3.25	0	2.83	1	57.05	7	0.12
FX-2	76.97	8	1.25	1	11.61	1	16.68	8	0.00	0	7.39	4	0.00	0	8.43	1	0.00	0	122.23	23	0.18
FX-3	7.68	1	0.09	0	4.73	0	13.10	7	0.00	0	104.02	62	0.00	0	2.05	0	0.00	0	131.68	60	0.46
Total:	125.91	13	1.34	1	29.75	3	29.78	15	0.00	0	111.42	66	0.00	0	13.74	2	2.83	1	314.75	90	0.29
LOWER BRANCH																					
LB-1-1	3.91	0	0.08	0	0.00	0	14.57	7	0.00	0	0.00	0	0.00	0	0.55	0	0.00	0	19.11	8	0.41
LB-1	3.96	0	0.03	0	0.00	0	9.05	5	0.00	0	0.00	0	0.00	0	2.48	0	0.00	0	15.52	5	0.34
LB-2-1	8.92	1	2.63	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	11.54	2	0.17
LB-2-2	6.75	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	6.75	1	0.10
LB-2	150.94	15	4.35	2	25.59	3	0.00	0	0.00	0	0.00	0	0.00	0	2.97	0	0.00	0	183.85	20	0.11
Total:	174.47	17	7.09	3	25.59	3	23.62	12	0.00	0	0.00	0	0.00	0	6.00	1	0.00	0	236.77	35	0.15
MIDDLE BRANCH																					
MB-1-1	66.97	7	0.00	0	24.55	2	0.00	0	0.00	0	0.00	0	0.00	0	0.09	0	0.00	0	91.60	9	0.10
MB-1-2	101.44	10	0.03	0	34.49	3	11.89	6	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	147.86	20	0.13
MB-1-3	36.17	4	0.00	0	4.62	0	0.00	0	0.00	0	0.00	0	0.08	0	4.55	1	0.00	0	44.40	5	0.10
MB-1-4	10.50	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	36.96	4	3.06	0	0.00	0	50.51	5	0.10
MB-1-5	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	9.51	1	0.01	0	0.00	0	9.52	1	0.10
MB-1-6	34.91	3	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.71	0	3.92	1	0.00	0	39.65	4	0.10
MB-1-7	14.33	1	0.00	0	31.23	3	0.00	0	0.00	0	0.00	0	134.56	13	0.00	0	0.00	0	180.12	18	0.10
MB-1-8	1.55	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	45.42	5	0.00	0	0.00	0	46.97	5	0.10
MB-1-9A	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.01	0	9.84	1	0.00	0	9.85	1	0.14
MB-1-9B	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	8.90	1	0.00	0	8.90	1	0.14
MB-1-10	17.47	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	3.33	0	0.00	0	20.80	2	0.11
MB-1-11	113.99	11	0.15	0	8.13	1	5.09	3	0.00	0	0.00	0	0.00	0	2.43	0	0.00	0	129.78	16	0.12
MB-1-12A	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	34.15	5	0.00	0	34.15	5	0.14
MB-1-12B	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	34.86	5	0.00	0	34.86	5	0.14
MB-1-13	48.41	5	1.88	1	5.23	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	55.52	6	0.11
MB-1	110.60	11	0.00	0	47.17	5	0.00	0	0.00	0	0.00	0	0.00	0	7.42	1	0.00	0	165.09	17	0.10
Total:	556.23	56	2.06	1	155.42	16	16.98	8	0.00	0	0.00	0	227.23	23	112.56	16	0.00	0	1,069.48	119	0.11
NORTH BRANCH																					
NB-1	5.24	1	19.22	8	0.00	0	0.00	0	5.20	1	0.00	0	0.00	0	1.48	0	0.00	0	31.13	9	0.29
NB-2	1.87	0	0.97	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.81	0	0.69	0	4.33	1	0.22
Total:	7.11	1	20.19	8	0.00	0	0.00	0	5.20	1	0.00	0	0.00	0	2.29	0	0.69	0	35.47	10	0.29

Franklin Watershed Water Quality Modeling																					
Pollutant Loadings (Lb./ac-yr)																		City of Franklin SWMP Update-2002			
0.10			0.40		0.10		0.50		Copper		0.14		0.50		0.10		0.14		0.40		
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)
NORTH CENTRAL TRIBUTARY																					
NC-1	1.36	0	0.00	0	6.99	1	0.00	0	0.00	0	0.00	0	0.02	0	7.83	1	0.00	0	16.20	2	0.12
NC-2	50.60	5	0.00	0	6.29	1	0.00	0	0.00	0	0.00	0	0.00	0	20.87	3	0.00	0	77.78	9	0.11
NC-3	1.46	0	0.00	0	1.20	0	0.00	0	0.00	0	0.00	0	23.62	2	6.33	1	0.00	0	32.60	4	0.11
NC-4-1	5.00	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	4.90	1	0.00	0	9.91	1	0.12
NC-4-2	17.22	2	0.00	0	4.17	0	0.00	0	0.00	0	0.00	0	0.00	0	0.04	0	0.00	0	23.50	2	0.10
NC-4-3	0.06	0	0.00	0	2.70	0	0.00	0	0.00	0	0.00	0	0.00	0	35.52	5	0.00	0	38.27	5	0.14
NC-4-4	14.30	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	116.17	16	0.00	0	130.47	18	0.14
NC-4	28.27	3	0.00	0	4.10	0	0.00	0	0.00	0	0.00	0	0.00	0	32.58	5	0.00	0	174.51	19	0.11
NC-5	8.23	1	0.00	0	0.01	0	0.00	0	10.42	1	0.00	0	99.14	10	0.00	0	0.00	0	38.82	5	0.13
NC-6	1.67	0	0.00	0	2.21	0	0.00	0	0.00	0	0.00	0	0.00	0	28.57	4	0.00	0	13.14	2	0.13
NC-7-1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	9.26	1	0.00	0	28.37	4	0.10
NC-7-2	0.04	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	41.90	4	0.10
NC-7-3	42.58	4	17.18	7	6.80	1	0.00	0	0.00	0	0.00	0	0.00	0	83.94	9	5.33	2	135.83	23	0.17
NC-7-4	0.85	0	25.44	10	0.09	0	0.00	0	0.00	0	0.00	0	0.00	0	6.51	1	1.15	0	34.03	12	0.34
NC-7-5	29.42	3	2.85	1	9.97	1	0.00	0	0.00	0	0.00	0	0.00	0	3.40	0	10.19	4	55.83	10	0.17
NC-7-6	20.09	2	0.00	0	9.95	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	5.33	2	38.76	6	0.14
NC-7-7	48.21	5	0.00	0	2.28	0	0.00	0	0.00	0	0.00	0	0.00	0	10.30	1	14.23	6	74.99	12	0.16
NC-7-8	24.53	2	0.00	0	1.12	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	2.02	1	27.58	3	0.12
NC-7	50.40	5	0.00	0	1.08	0	0.00	0	0.00	0	0.00	0	0.00	0	12.08	2	7.74	3	71.31	10	0.14
NC-8	1.31	0	0.00	0	6.02	1	0.00	0	0.00	0	0.00	0	0.00	0	14.22	2	0.00	0	20.55	3	0.13
NC-9	3.98	0	0.00	0	8.44	1	0.00	0	0.00	0	0.00	0	0.00	0	0.75	0	1.26	1	14.43	2	0.13
NC-10	6.01	1	0.00	0	5.23	1	0.00	0	0.00	0	0.00	0	0.00	0	30.87	4	0.00	0	42.11	5	0.13
NC-11-1	34.16	3	0.00	0	0.49	0	0.00	0	0.00	0	0.00	0	0.00	0	37.58	5	0.00	0	72.23	9	0.12
NC-11	33.96	3	0.00	0	4.50	0	0.00	0	0.00	0	0.00	0	0.00	0	7.01	1	0.00	0	45.47	5	0.11
NC-12-1	16.27	2	0.00	0	3.59	0	0.00	0	0.00	0	0.00	0	0.00	0	16.59	2	2.66	1	39.12	5	0.14
NC-12-2	36.60	4	0.00	0	15.53	2	0.00	0	0.00	0	0.00	0	0.00	0	25.21	4	0.00	0	77.34	9	0.11
NC-12-6	21.82	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.67	0	0.00	0	23.29	2	0.10
NC-12	7.13	1	5.16	2	8.00	1	0.00	0	0.00	0	0.00	0	0.00	0	39.41	6	4.18	2	63.89	11	0.17
NC-13-1	0.00	0	0.46	0	0.00	0	0.00	0	0.01	0	0.00	0	0.00	0	6.54	1	2.16	1	9.16	2	0.21
NC-13-2	68.77	7	5.88	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	9.70	1	16.70	6	173.05	24	0.14
NC-13-3	0.00	0	1.14	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	10.35	1	2.39	1	13.89	3	0.21
NC-13-4	0.82	0	3.42	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	7.38	1	3.39	1	15.00	4	0.26
NC-13-15	0.00	0	0.00	0	1.34	0	0.00	0	0.00	0	0.00	0	0.00	0	20.49	3	0.29	0	22.11	3	0.14
NC-13	23.11	2	0.02	0	13.79	1	0.00	0	0.00	0	0.00	0	0.00	0	53.72	8	7.29	3	120.95	17	0.14
NC-14-1	7.30	1	0.00	0	1.16	0	0.00	0	12.79	2	0.00	0	0.00	0	0.00	0	1.67	1	10.13	2	0.15
NC-14-2	63.83	6	3.21	1	18.42	2	0.77	0	0.00	0	0.00	0	0.00	0	15.63	2	7.86	3	109.62	15	0.14
NC-14-3	3.04	0	0.00	0	2.30	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.73	1	7.95	1	0.17
NC-14-4	26.80	3	2.26	1	2.87	0	0.00	0	0.00	0	0.00	0	0.00	0	0.89	0	0.00	0	48.19	7	0.15
NC-14-5	7.44	1	0.00	0	1.60	0	0.00	0	0.00	0	0.00	0	0.00	0	11.95	2	4.30	2	16.95	2	0.12
NC-14-6	39.28	4	0.98	0	22.35	2	7.16	4	0.00	0	0.00	0	0.00	0	7.92	1	0.00	0	86.78	13	0.16
NC-14-7	12.17	1	0.00	0	4.78	0	4.00	2	0.00	0	0.00	0	0.00	0	13.34	2	3.68	1	24.44	4	0.18
NC-14-8	5.20	1	0.00	0	2.33	0	1.78	1	0.00	0	0.00	0	0.00	0	2.58	0	0.91	0	11.20	2	0.21
NC-14-9	90.03	9	0.00	0	35.44	4	0.00	0	0.00	0	0.00	0	0.00	0	0.33	0	1.57	1	138.19	15	0.11
NC-14-10	23.14	2	0.38	0	35.24	4	0.00	0	0.00	0	0.00	0	0.00	0	7.86	1	2.79	1	62.94	7	0.11
NC-14	37.07	4	0.00	0	12.85	1	0.00	0	0.00	0	0.00	0	0.00	0	1.95	0	2.23	1	52.26	5	0.10
NC-15-1	4.86	0	0.00	0	7.22	1	0.00	0	0.00	0	0.00	0	0.00	0	2.34	0	0.00	0	42.56	6	0.14
NC-15-2	19.11	2	0.00	0	10.95	1	0.00	0	0.00	0	0.00	0	0.00	0	27.89	4	2.58	1	49.93	9	0.18
NC-15-3	2.50	0	0.00	0	0.03	0	0.00	0	0.00	0	0.00	0	0.00	0	2.67	0	1.20	0	33.82	4	0.11
NC-15	13.87	1	5.98	2	18.81	2	0.00	0	0.00	0	0.00	0	0.00	0	4.01	1	7.47	3	6.49	1	0.20
Total:	953.68	95	74.33	30	411.85	41	13.72	7	29.01	4	0.00	0	135.10	14	772.83	108	125.08	50	2,515.60	349	0.14

Franklin Watershed Water Quality Modeling																		City of Franklin SWMP Update-2002			
Pollutant Loadings (Lb./ac-yr)																		Copper			
		0.10		0.40		0.10		0.50		0.14		0.50		0.10		0.14		0.40			
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MlneDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)
NORTH CENTRAL TRIBUTARY																					
NC-1	1.36	0	0.00	0	6.99	1	0.00	0	0.00	0	0.00	0	0.02	0	7.83	1	0.00	0	16.20	2	0.12
NC-2	50.60	5	0.00	0	6.29	1	0.00	0	0.00	0	0.00	0	0.00	0	20.87	3	0.00	0	77.76	9	0.11
NC-3	1.48	0	0.00	0	1.20	0	0.00	0	0.00	0	0.00	0	23.82	2	6.33	1	0.00	0	32.80	4	0.11
NC-4-1	5.00	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	4.90	1	0.00	0	9.91	1	0.12
NC-4-2	17.22	2	0.00	0	4.17	0	0.00	0	2.06	0	0.00	0	0.00	0	0.04	0	0.00	0	23.50	2	0.10
NC-4-3	0.06	0	0.00	0	2.70	0	0.00	0	0.00	0	0.00	0	0.00	0	35.52	5	0.00	0	36.27	5	0.14
NC-4-4	14.30	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	116.17	16	0.00	0	130.47	18	0.14
NC-4	28.27	3	0.00	0	4.10	0	0.00	0	10.42	1	0.00	0	99.14	10	32.58	5	0.00	0	174.51	19	0.11
NC-5	8.23	1	0.00	0	0.01	0	0.00	0	0.00	0	0.00	0	0.00	0	28.57	4	0.00	0	36.82	5	0.13
NC-6	1.67	0	0.00	0	2.21	0	0.00	0	0.00	0	0.00	0	0.00	0	9.26	1	0.00	0	13.14	2	0.13
NC-7-1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	28.37	4	0.00	0	28.37	4	0.14
NC-7-2	0.04	0	0.00	0	41.56	4	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	41.60	4	0.10
NC-7-3	42.58	4	17.18	7	6.80	1	0.00	0	0.00	0	0.00	0	0.00	0	63.94	9	5.33	2	135.83	23	0.17
NC-7-4	0.65	0	25.44	10	0.09	0	0.00	0	0.00	0	0.00	0	0.00	0	6.51	1	1.15	0	34.03	12	0.34
NC-7-5	29.42	3	2.85	1	9.97	1	0.00	0	0.00	0	0.00	0	0.00	0	3.40	0	10.19	4	55.83	10	0.17
NC-7-6	20.09	2	0.00	0	9.95	1	0.00	0	0.00	0	0.00	0	0.00	0	3.39	0	5.33	2	38.76	6	0.14
NC-7-7	48.21	5	0.00	0	2.26	0	0.00	0	0.00	0	0.00	0	0.00	0	10.30	1	14.23	6	74.99	12	0.16
NC-7-8	24.53	2	0.00	0	1.12	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	2.02	1	27.66	3	0.12
NC-7	50.40	5	0.00	0	1.08	0	0.00	0	0.00	0	0.00	0	0.00	0	12.08	2	7.74	3	71.31	10	0.14
NC-8	1.31	0	0.00	0	5.02	1	0.00	0	0.00	0	0.00	0	0.00	0	14.22	2	0.00	0	20.55	3	0.13
NC-9	3.98	0	0.00	0	8.44	1	0.00	0	0.00	0	0.00	0	0.00	0	0.75	0	1.26	1	14.43	2	0.13
NC-10	6.01	1	0.00	0	5.23	1	0.00	0	0.00	0	0.00	0	0.00	0	30.87	4	0.00	0	42.11	5	0.13
NC-11-1	34.16	3	0.00	0	0.49	0	0.00	0	0.00	0	0.00	0	0.00	0	37.58	5	0.00	0	72.23	9	0.12
NC-11	33.98	3	0.00	0	4.50	0	0.00	0	0.00	0	0.00	0	0.00	0	7.01	1	0.00	0	45.47	5	0.11
NC-12-1	16.27	2	0.00	0	3.59	0	0.00	0	0.00	0	0.00	0	0.00	0	16.59	2	2.66	1	39.12	5	0.14
NC-12-2	36.80	4	0.00	0	15.53	2	0.00	0	0.00	0	0.00	0	0.00	0	25.21	4	0.00	0	77.34	9	0.11
NC-12-6	21.82	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.67	0	0.00	0	23.29	2	0.10
NC-12	7.13	1	5.16	2	8.00	1	0.00	0	0.01	0	0.00	0	0.00	0	39.41	6	4.18	2	63.89	11	0.17
NC-13-1	0.00	0	0.45	0	0.00	0	0.00	0	0.00	0	0.00	0	0.02	0	6.54	1	2.15	1	9.16	2	0.21
NC-13-2	68.77	7	5.88	2	69.29	7	0.00	0	3.72	1	0.00	0	0.00	0	9.70	1	15.70	6	173.05	24	0.14
NC-13-3	0.00	0	1.14	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	10.35	1	2.39	1	13.89	3	0.21
NC-13-4	0.82	0	3.42	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	7.38	1	3.39	1	16.00	4	0.28
NC-13-15	0.00	0	0.00	0	1.34	0	0.00	0	0.00	0	0.00	0	0.00	0	20.49	3	0.29	0	22.11	3	0.14
NC-13	23.11	2	0.02	0	13.79	1	0.00	0	12.79	2	0.00	0	10.23	1	53.72	8	7.29	3	120.95	17	0.14
NC-14-1	7.30	1	0.00	0	1.16	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.67	1	10.13	2	0.15
NC-14-2	63.83	6	3.21	1	18.42	2	0.77	0	0.00	0	0.00	0	0.00	0	15.53	2	7.86	3	109.62	15	0.14
NC-14-3	3.04	0	0.00	0	2.30	0	0.00	0	0.00	0	0.00	0	0.00	0	0.89	0	1.73	1	7.95	1	0.17
NC-14-4	26.80	3	2.26	1	2.87	0	0.00	0	0.00	0	0.00	0	0.00	0	11.95	2	4.30	2	48.19	7	0.15
NC-14-5	7.44	1	0.00	0	1.50	0	0.00	0	0.00	0	0.00	0	0.00	0	7.92	1	0.00	0	16.95	2	0.12
NC-14-6	39.28	4	0.98	0	22.35	2	7.16	4	0.00	0	0.00	0	0.00	0	13.34	2	3.66	1	86.76	13	0.16
NC-14-7	12.17	1	0.00	0	4.78	0	4.00	2	0.00	0	0.00	0	0.00	0	2.58	0	0.91	0	24.44	4	0.18
NC-14-8	5.20	1	0.00	0	2.33	0	1.78	1	0.00	0	0.00	0	0.00	0	0.33	0	1.57	1	11.20	2	0.21
NC-14-9	90.03	9	0.00	0	35.44	4	0.00	0	0.00	0	0.00	0	2.08	0	7.86	1	2.79	1	138.19	15	0.11
NC-14-10	23.14	2	0.38	0	35.24	4	0.00	0	0.00	0	0.00	0	0.00	0	1.95	0	2.23	1	62.94	7	0.11
NC-14	37.07	4	0.00	0	12.86	1	0.00	0	0.00	0	0.00	0	0.00	0	2.34	0	0.00	0	52.26	5	0.10
NC-15-1	4.86	0	0.00	0	7.22	1	0.00	0	0.00	0	0.00	0	0.00	0	27.89	4	2.58	1	42.56	6	0.14
NC-15-2	19.11	2	0.00	0	10.95	1	0.00	0	0.00	0	0.00	0	0.00	0	2.57	0	1.20	0	33.82	4	0.11
NC-15-3	2.50	0	0.00	0	0.03	0	0.00	0	0.00	0	0.00	0	0.00	0	2.12	0	1.83	1	6.49	1	0.20
NC-15	13.87	1	5.98	2	18.61	2	0.00	0	0.00	0	0.00	0	0.00	0	4.01	1	7.47	3	49.93	9	0.18
Total:	953.68	95	74.33	30	411.85	41	13.72	7	29.01	4	0.00	0	135.10	14	772.63	108	125.08	50	2,515.60	349	0.14

Franklin Watershed Water Quality Modeling																					City of Franklin SWMP Update-2002			
Pollutant Loadings (Lb./ac-yr)																					Copper			
0.10		0.40		0.10		0.50		0.14		0.50		0.10		0.14		0.40								
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Instititutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)			
ORCHARD VIEW TRIBUTARY																								
OV-1-1	0.32	0	0.00	0	3.82	0	0.00	0	0.00	0	0.00	0	0.30	0	98.79	14	0.00	0	103.22	14	0.14			
OV-1	26.44	3	0.00	0	0.17	0	0.00	0	0.00	0	0.00	0	0.00	0	2.73	0	0.00	0	29.34	3	0.10			
Total:	26.76	3	0.00	0	3.99	0	0.00	0	0.00	0	0.00	0	0.30	0	101.62	14	0.00	0	132.57	17	0.13			
RYAN CREEK																								
RC-1	41.71	4	0.00	0	15.85	2	0.00	0	0.00	0	0.00	0	4.20	0	1.37	0	0.00	0	63.14	6	0.10			
RC-2	0.05	0	0.00	0	15.97	2	0.00	0	0.00	0	0.00	0	0.00	0	10.34	1	0.00	0	26.36	3	0.12			
RC-3-1	7.58	1	0.00	0	0.00	0	0.00	0	0.04	0	0.00	0	1.94	0	0.00	0	1.26	1	10.83	1	0.14			
RC-3-2	3.44	0	0.00	0	0.00	0	0.00	0	3.18	0	0.00	0	1.86	0	0.00	0	0.47	0	8.93	1	0.13			
RC-3-3	2.34	0	0.00	0	0.00	0	0.00	0	1.17	0	0.00	0	0.00	0	0.11	0	0.35	0	3.97	1	0.14			
RC-3-4	73.10	7	1.51	1	2.87	0	0.00	0	0.00	0	0.00	0	0.00	0	5.70	1	4.10	2	87.30	11	0.12			
RC-3	183.85	18	3.07	1	6.99	1	0.00	0	0.00	0	0.00	0	0.00	0	23.50	3	0.66	0	218.07	24	0.11			
RC-4	49.13	5	0.00	0	9.96	1	0.00	0	0.69	0	0.00	0	0.00	0	0.00	0	1.15	0	60.84	6	0.11			
RC-5-1	25.78	3	0.00	0	21.46	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	5.98	2	63.28	9	0.13			
RC-5-2	22.57	2	0.00	0	5.93	1	0.00	0	0.00	0	0.00	0	0.00	0	10.09	1	2.97	1	31.47	4	0.13			
RC-5-3	22.85	2	0.00	0	0.01	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	77.38	10	0.13			
RC-5-4	2.53	0	0.00	0	16.59	2	0.00	0	0.00	0	0.00	0	0.00	0	54.72	8	0.00	0	77.38	10	0.13			
RC-5	35.28	4	0.00	0	26.48	3	0.00	0	0.00	0	0.00	0	0.00	0	0.48	0	1.83	1	21.42	3	0.13			
RC-6	48.73	5	0.00	0	53.29	5	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	61.76	6	0.10			
RC-7	84.26	8	0.00	0	5.80	1	0.00	0	0.00	0	0.00	0	0.00	0	3.11	0	0.00	0	105.13	11	0.10			
RC-8	27.53	3	0.00	0	0.31	0	0.00	0	0.00	0	0.00	0	0.00	0	0.76	0	0.00	0	90.82	9	0.10			
RC-9-2	117.55	12	0.00	0	30.85	3	0.00	0	0.00	0	0.00	0	0.00	0	3.18	0	0.00	0	31.02	3	0.10			
RC-9	76.08	8	0.00	0	2.85	0	0.00	0	0.00	0	0.00	0	0.00	0	9.77	1	0.00	0	158.27	16	0.10			
RC-10	116.44	12	0.00	0	4.29	0	0.00	0	0.00	0	0.00	0	0.00	0	1.05	0	0.00	0	79.98	8	0.10			
RC-10-1	12.94	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.54	0	0.00	0	121.28	12	0.10			
RC-11-1	200.13	20	0.00	0	28.28	3	0.00	0	0.00	0	0.00	0	0.00	0	0.02	0	0.00	0	12.96	1	0.10			
RC-11	223.03	22	0.00	0	59.42	6	0.00	0	0.00	0	0.00	0	0.00	0	12.49	2	0.00	0	240.90	25	0.10			
RC-12	29.71	3	0.00	0	0.88	0	0.00	0	0.00	0	0.00	0	0.00	0	16.09	2	0.00	0	298.54	30	0.10			
RC-13-1	38.02	4	0.00	0	5.13	1	0.00	0	0.00	0	0.00	0	0.00	0	0.28	0	0.00	0	30.88	3	0.10			
RC-13	1.02	0	0.00	0	0.01	0	0.00	0	0.00	0	0.00	0	0.00	0	0.97	0	0.00	0	42.13	4	0.10			
RC-14-1	19.00	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	5.37	1	0.00	0	6.39	1	0.13			
RC-14	99.89	10	0.00	0	4.28	0	0.00	0	0.00	0	0.00	0	0.00	0	9.51	1	3.13	1	31.64	4	0.14			
RC-15	19.71	2	0.00	0	2.15	0	0.00	0	0.00	0	0.00	0	0.00	0	1.39	0	2.72	1	108.29	12	0.11			
RC-16-1	38.00	4	0.00	0	3.13	0	1.74	1	0.00	0	0.00	0	0.00	0	3.90	1	2.15	1	27.91	4	0.13			
RC-16-2	87.18	9	0.00	0	0.87	0	0.00	0	0.00	0	0.00	0	0.00	0	1.15	0	1.18	0	45.19	6	0.12			
RC-16	90.11	9	1.76	1	10.31	1	0.00	0	0.00	0	0.00	0	0.00	0	2.58	0	1.63	1	92.26	10	0.11			
RC-17	36.89	4	0.00	0	10.80	1	0.00	0	0.00	0	0.00	0	0.00	0	0.16	0	2.64	1	104.98	12	0.11			
RC-18-1	33.04	3	0.00	0	0.50	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.61	1	49.30	5	0.11			
RC-18-2	188.63	17	0.00	0	34.56	3	0.00	0	0.00	0	0.00	0	0.00	0	2.87	0	0.00	0	36.41	4	0.10			
RC-18-3	0.00	0	0.00	0	14.81	1	0.00	0	0.00	0	0.00	0	0.00	0	7.72	1	0.00	0	210.92	21	0.10			
RC-18-4	51.49	5	0.00	0	9.95	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.01	0	14.82	1	0.10			
RC-18-5	55.12	6	0.00	0	60.87	6	0.00	0	0.00	0	0.00	0	0.00	0	8.57	1	0.00	0	70.01	7	0.10			
RC-18-6	66.89	7	0.68	0	31.81	3	1.11	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	115.79	12	0.10			
RC-18-7	63.52	6	0.09	0	21.24	2	0.27	0	0.00	0	0.00	0	0.00	0	7.69	1	0.00	0	108.19	12	0.11			
RC-18-8	10.11	1	0.00	0	1.31	0	0.00	0	0.00	0	0.00	0	0.00	0	1.60	0	0.01	0	86.72	9	0.10			
RC-18-9	9.53	1	0.00	0	4.14	0	0.00	0	0.00	0	0.00	0	0.00	0	4.35	1	0.00	0	15.77	2	0.11			
RC-18-10	81.22	8	0.80	0	49.87	5	0.00	0	0.00	0	0.00	0	0.00	0	0.13	0	0.00	0	13.80	1	0.10			
RC-18-11	51.18	6	0.00	0	7.62	1	0.00	0	0.00	0	0.00	0	0.00	0	18.36	3	0.00	0	160.05	16	0.11			
RC-18-12	16.37	2	0.00	0	4.29	0	0.00	0	0.00	0	0.00	0	0.00	0	3.67	0	0.00	0	62.36	6	0.10			
RC-18	35.30	4	1.36	1	8.09	1	0.00	0	0.00	0	0.00	0	1.33	0	8.67	1	0.00	0	30.65	3	0.11			
Total:	2,476.66	248	9.28	4	593.31	59	3.12	2	4.97	1	0.00	0	9.33	1	249.70	35	33.83	14	3,380.20	382	0.11			

Franklin Watershed Water Quality Modeling																			City of Franklin SWMP Update-2002		
Pollutant Loadings (Lb./ac-yr)																			Copper		
0.10			0.40		0.10		0.50		0.14		0.50		0.10		0.14		0.40				
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)
ROOT RIVER																					
RR-1	86.75	9	0.00	0	74.59	7	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	161.35	16	0.10
RR-2	77.96	8	0.00	0	49.75	5	0.00	0	0.00	0	0.00	0	0.00	0	5.46	1	0.00	0	133.16	14	0.10
RR-3	69.93	7	0.00	0	14.67	1	0.00	0	0.00	0	0.00	0	0.00	0	8.89	1	0.00	0	93.48	10	0.10
RR-4	56.85	6	0.00	0	19.97	2	0.00	0	0.00	0	0.00	0	0.00	0	6.55	1	0.00	0	83.37	9	0.10
RR-5-1	14.45	1	0.00	0	0.00	0	4.18	2	0.00	0	0.00	0	0.00	0	3.22	0	0.00	0	21.85	4	0.18
RR-5-2	2.88	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.14	0	0.00	0	2.83	0	0.10
RR-5	48.27	5	0.00	0	39.23	4	0.00	0	0.00	0	0.00	0	0.00	0	1.38	0	0.00	0	88.86	9	0.10
RR-6	6.83	1	0.00	0	18.11	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	24.93	2	0.10
RR-7	0.00	0	0.00	0	43.64	4	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	43.64	4	0.10
RR-8	7.08	1	0.00	0	12.42	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	19.50	2	0.10
RR-9-1	44.20	4	1.06	0	4.53	0	68.13	34	0.00	0	0.00	0	0.00	0	4.59	1	0.00	0	122.52	40	0.33
RR-9-2A	0.00	0	0.00	0	0.05	0	6.99	3	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	7.04	3	0.50
RR-9-2B	4.64	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	4.46	0	0.10
RR-9	24.84	2	0.00	0	4.57	0	0.00	0	0.00	0	0.00	0	0.00	0	3.34	0	0.00	0	32.75	3	0.10
RR-10	0.00	0	0.00	0	20.88	2	0.00	0	0.00	0	0.00	0	1.14	0	0.00	0	0.00	0	22.02	2	0.10
RR-11-1	1.71	0	9.20	4	0.00	0	32.81	16	0.00	0	0.00	0	0.00	0	0.00	0	3.28	1	47.00	22	0.46
RR-11-2	100.66	10	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	2.84	1	103.30	11	0.11
RR-11	55.43	6	2.11	1	73.58	7	18.07	9	0.00	0	0.00	0	0.00	0	6.29	1	1.55	1	157.03	24	0.15
RR-12	176.66	18	1.02	0	164.71	15	4.29	2	0.00	0	0.00	0	0.00	0	9.56	1	5.43	2	351.67	39	0.11
RR-13-1	108.28	11	0.73	0	0.66	0	0.00	0	22.99	3	1.11	1	15.06	2	2.66	0	3.67	1	155.14	18	0.12
RR-13	70.24	7	0.00	0	50.62	5	0.00	0	5.35	1	0.00	0	0.00	0	0.00	0	2.07	1	128.17	14	0.11
RR-14-1	38.52	4	3.22	1	9.15	1	0.00	0	0.00	0	0.00	0	0.00	0	10.61	1	0.00	0	61.51	8	0.12
RR-14-2	28.95	3	0.71	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.77	0	1.05	0	32.48	4	0.12
RR-14	82.34	8	1.90	1	13.12	1	0.00	0	0.00	0	0.00	0	0.72	0	4.88	1	5.41	2	108.37	13	0.12
RR-15-1	7.75	1	0.00	0	3.04	0	0.00	0	0.00	0	0.00	0	5.45	1	0.00	0	0.00	0	16.24	2	0.10
RR-15-2	5.91	1	0.00	0	6.18	1	0.00	0	0.00	0	0.00	0	0.00	0	1.09	0	0.00	0	13.18	1	0.10
RR-15-3	38.09	4	0.00	0	0.37	0	0.00	0	0.00	0	0.00	0	0.00	0	4.73	1	0.00	0	43.19	5	0.10
RR-15	157.27	16	0.00	0	13.33	1	0.00	0	0.00	0	0.00	0	22.59	2	0.49	0	0.00	0	193.68	19	0.10
RR-16	26.81	3	0.00	0	14.76	1	0.00	0	0.00	0	0.00	0	0.00	0	0.34	0	0.00	0	41.90	4	0.10
RR-17	58.92	6	0.00	0	27.40	3	0.00	0	0.00	0	0.00	0	0.00	0	2.41	0	0.00	0	88.73	9	0.10
RR-18-1	0.16	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	27.56	4	0.00	0	27.72	4	0.14
RR-18-2	13.78	1	0.00	0	0.63	0	0.00	0	0.00	0	0.00	0	0.00	0	15.21	2	0.00	0	29.63	4	0.12
RR-18	129.92	13	0.00	0	28.71	3	0.00	0	1.26	0	0.00	0	0.00	0	0.00	0	0.00	0	159.89	16	0.10
RR-19	11.51	1	0.00	0	17.75	2	0.00	0	0.00	0	0.00	0	0.00	0	9.50	1	0.00	0	38.76	4	0.11
RR-20	13.57	1	0.00	0	7.04	1	0.00	0	0.00	0	0.00	0	6.46	1	24.27	3	0.00	0	51.33	6	0.12
RR-21	101.04	10	1.23	0	27.77	3	1.62	1	0.00	0	240.28	120	0.00	0	8.32	1	8.82	3	388.89	139	0.36
RR-22-1	17.63	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	26.93	4	0.00	0	44.56	6	0.12
RR-22	51.41	5	0.00	0	8.85	1	0.00	0	0.00	0	0.00	0	0.00	0	18.17	3	0.00	0	78.43	9	0.11
RR-23-1	0.04	0	0.00	0	0.01	0	0.00	0	0.00	0	0.00	0	0.00	0	45.06	6	0.00	0	45.11	6	0.14
RR-23	43.18	4	0.00	0	14.12	1	0.00	0	0.00	0	26.52	13	0.00	0	19.16	3	1.11	0	103.09	22	0.21
RR-24	38.63	4	0.32	0	16.86	2	6.14	3	0.00	0	0.00	0	0.00	0	4.69	1	5.19	2	71.85	11	0.16
RR-25-1	42.09	4	12.71	5	49.05	5	0.00	0	0.00	0	0.00	0	0.00	0	4.66	1	18.94	8	127.45	22	0.18
RR-25	81.93	8	0.03	0	51.49	5	4.57	2	1.81	0	0.00	0	0.00	0	7.94	1	1.97	1	149.73	18	0.12
RR-26-1	1.09	0	0.06	0	0.00	0	0.00	0	0.00	0	0.21	0	0.00	0	90.59	13	5.09	2	97.05	15	0.15
RR-26-2	64.94	6	0.00	0	8.74	1	0.00	0	0.03	0	0.00	0	0.00	0	21.66	3	5.14	2	100.50	12	0.12
RR-26-3	43.20	4	0.00	0	0.00	0	0.00	0	3.39	0	0.00	0	0.00	0	1.47	0	0.00	0	48.06	5	0.10
RR-26-4A	0.00	0	0.00	0	2.28	0	0.00	0	0.00	0	0.00	0	0.00	0	36.28	5	0.00	0	38.53	5	0.14
RR-26-4B	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	23.27	3	0.00	0	23.27	3	0.14
RR-26-5	4.08	0	0.00	0	3.33	0	0.00	0	1.58	0	0.00	0	0.00	0	55.21	8	0.00	0	64.19	9	0.14
RR-26-6	25.04	3	0.00	0	34.70	3	0.00	0	0.00	0	0.00	0	0.00	0	78.47	11	0.01	0	138.22	17	0.12
RR-26	128.38	13	0.57	0	18.58	2	1.13	1	7.57	1	3.27	2	0.00	0	4.69	1	0.75	0	162.94	19	0.12
RR-27	6.81	1	0.00	0	13.62	1	0.00	0	7.64	1	0.00	0	0.00	0	50.90	7	2.63	1	81.59	11	0.14
RR-28-1	35.64	4	3.81	2	0.00	0	0.00	0	0.00	0	0.00	0	2.99	0	6.03	1	21.59	9	70.06	15	0.21
RR-28	15.07	2	0.50	0	19.32	2	0.00	0	0.00	0	0.00	0	0.00	0	87.91	12	12.31	5	135.11	21	0.15
RR-29	3.56	0	5.16	2	56.98	6	13.80	7	3.05	0	0.00	0	1.92	0	0.00	0	4.82	2	89.10	17	0.20
RR-30-1	18.41	2	0.00	0	7.99	1	0.00	0	0.00	0	0.00	0	19.69	2	10.51	1	0.00	0	54.61	6	0.11
RR-30-2	0.00	0	0.00	0	3.42	0	0.00	0	0.00	0	0.00	0	0.00	0	33.70	5	0.00	0	37.12	5	0.14
RR-30	6.11	1	0.00	0	21.55	2	0.00	0	0.00	0	0.00	0	23.80	2	4.43	1	0.00	0	55.89	6	0.10
RR-31	122.03	12	1.31	1	122.88	12	0.00	0	0.00	0	0.00	0	55.78	8	60.08	8	0.95	0	362.81	39	0.11
Total:	2,417.28	242	45.64	18	1,204.71	120	161.53	81	54.65	8	270.39	135	155.59	16	855.02	120	114.23	48	5,278.84	785	0.15

Franklin Watershed Water Quality Modeling																			City of Franklin SWMP Update-2002				
Pollutant Loadings (Lb./ac-yr)																			Copper				
0.10		0.40		0.10		0.50		0.14		0.50		0.10		0.14		0.40							
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	Mine/Dump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)		
ROOT RIVER CANAL																							
RRC-1	2.12	0	0.00	0	20.16	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	22.27	2	0.10		
RRC-2	92.75	9	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	98.67	10	0.10		
RRC-3-1	25.85	3	0.00	0	32.24	3	0.00	0	0.00	0	0.00	0	0.00	0	5.92	1	0.00	0	59.10	6	0.10		
RRC-3	69.76	7	0.00	0	0.34	0	0.00	0	0.00	0	0.00	0	0.00	0	1.01	0	0.00	0	72.18	7	0.10		
RRC-4	17.50	2	0.00	0	35.93	4	0.00	0	0.00	0	0.00	0	0.00	0	2.09	0	0.00	0	60.58	6	0.10		
RRC-5	1.97	0	0.00	0	34.10	3	0.00	0	0.00	0	0.00	0	0.00	0	7.15	1	0.00	0	36.48	4	0.10		
RRC-6	59.36	6	0.00	0	6.33	1	0.00	0	0.00	0	0.00	0	0.00	0	0.41	0	0.00	0	65.72	7	0.10		
Total:	269.31	27	0.00	0	129.10	13	0.00	0	0.00	0	0.00	0	0.00	0	0.02	0	0.00	0	415.00	42	0.10		
TESS CORNERS CREEK																							
TC-1	5.02	1	0.00	0	16.22	2	0.00	0	0.00	0	0.00	0	0.15	0	1.43	0	0.00	0	22.83	2	0.10		
TC-2	0.20	0	0.00	0	60.20	6	0.00	0	0.00	0	0.00	0	149.95	15	0.00	0	0.00	0	210.35	21	0.10		
TC-3	53.82	5	0.00	0	101.54	10	0.00	0	0.00	0	0.00	0	21.70	2	124.70	17	5.84	2	307.61	38	0.12		
TC-4-1	28.43	3	0.00	0	76.50	8	0.00	0	0.00	0	0.00	0	0.00	0	41.68	6	19.60	8	172.82	25	0.15		
TC-4-2	20.19	2	0.00	0	0.00	0	0.00	0	6.50	1	0.00	0	0.00	0	1.61	0	3.31	1	25.11	4	0.14		
TC-4-3A	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	6.24	1	0.00	0	6.24	1	0.14		
TC-4-3B	15.45	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	15.48	2	0.10		
TC-4-4	21.45	2	0.00	0	0.08	0	0.00	0	0.00	0	0.00	0	0.00	0	14.65	2	1.10	0	37.29	5	0.12		
TC-4	2.07	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	2.07	0	0.00		
TC-4-5	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.81	0	0.00	0	11.08	4	14.96	5	0.32		
TC-5	7.28	1	6.18	2	0.00	0	0.00	0	0.00	0	0.00	0	20.85	2	10.03	1	4.34	2	35.22	5	0.15		
TC-6	2.29	0	0.00	0	6.24	1	0.00	0	0.00	0	0.00	0	0.00	0	14.34	2	13.54	5	42.05	11	0.25		
TC-7	0.00	0	0.00	0	20.91	2	0.00	0	17.28	2	0.00	0	0.00	0	0.21	0	2.81	1	11.56	2	0.17		
TC-8-1A	0.00	0	0.00	0	0.00	0	16.34	8	0.00	0	0.00	0	0.00	0	1.18	0	3.77	2	43.14	6	0.14		
TC-8-1B	17.54	2	2.98	1	0.00	0	0.00	0	0.49	0	0.00	0	0.00	0	0.00	0	0.00	0	16.34	8	0.60		
TC-8	30.81	3	0.00	0	4.18	0	0.00	0	0.00	0	0.00	0	0.00	0	34.51	5	3.38	1	58.91	9	0.16		
TC-9-1	5.36	1	0.00	0	2.82	0	0.00	0	0.00	0	0.00	0	0.00	0	19.91	3	0.00	0	28.09	4	0.13		
TC-9-2	0.20	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	7.68	1	1.68	1	44.35	5	0.12		
TC-9-3	6.63	1	0.00	0	6.97	1	0.00	0	7.27	1	0.00	0	0.58	0	29.11	4	0.00	0	37.16	5	0.14		
TC-9	0.00	0	0.11	0	23.35	2	0.00	0	8.54	1	0.00	0	0.00	0	80.63	11	2.53	1	115.16	16	0.13		
TC-10	9.83	1	0.00	0	3.13	0	0.00	0	0.00	0	0.00	0	0.00	0	2.55	0	0.00	0	15.51	2	0.11		
TC-11-1	7.45	1	0.00	0	4.42	0	0.00	0	0.00	0	0.00	0	0.00	0	0.76	0	0.02	0	12.86	1	0.10		
TC-11-2	23.84	2	0.00	0	13.29	1	0.00	0	3.92	1	0.00	0	0.00	0	0.96	0	2.38	1	44.39	5	0.12		
TC-11-3	0.63	0	1.60	1	0.00	0	0.00	0	0.67	0	0.00	0	0.00	0	12.41	2	0.00	0	15.32	3	0.17		
TC-11-4	58.15	6	0.00	0	21.46	2	0.00	0	20.50	3	0.00	0	0.00	0	0.70	0	2.19	1	103.00	12	0.11		
TC-11-5	13.12	1	0.00	0	12.98	1	0.00	0	0.89	0	0.00	0	0.00	0	24.39	3	0.00	0	51.38	6	0.12		
TC-11-6	3.45	0	0.32	0	15.54	2	0.00	0	1.39	0	0.00	0	5.08	1	22.11	3	0.00	0	47.89	6	0.12		
TC-11-7	0.04	0	0.00	0	3.10	0	0.00	0	0.00	0	0.00	0	0.00	0	31.29	4	8.90	4	43.34	8	0.19		
TC-11-8	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	22.30	3	0.00	0	22.30	3	0.14		
TC-11	4.58	0	0.04	0	3.28	0	0.00	0	0.00	0	0.00	0	0.00	0	68.03	10	0.00	0	75.94	10	0.14		
TC-12	55.13	6	0.00	0	13.54	1	0.00	0	0.00	0	0.00	0	0.00	0	6.82	1	4.13	2	79.81	9	0.12		
TC-13	29.85	3	0.00	0	5.04	1	3.04	2	0.00	0	0.00	0	0.00	0	1.51	0	1.88	1	41.13	6	0.14		
TC-14-1	0.00	0	2.99	1	2.89	0	0.00	0	0.00	0	0.00	0	0.00	0	26.07	4	8.43	3	40.38	9	0.21		
TC-14-2	0.00	0	0.05	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	78.51	11	0.00	0	78.57	11	0.14		
TC-14	0.00	0	1.67	1	3.07	0	0.00	0	0.00	0	0.00	0	0.00	0	23.07	3	7.51	3	35.32	7	0.20		
TC-15	1.35	0	0.00	0	3.60	0	0.00	0	0.00	0	0.00	0	0.00	0	1.17	0	2.01	1	17.85	3	0.16		
TC-16	0.03	0	0.04	0	36.84	4	0.00	0	0.00	0	0.00	0	0.00	0	103.80	15	0.00	0	140.71	18	0.13		
TC-17-1	0.03	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	13.38	2	0.00	0	13.41	2	0.14		
TC-17-2	3.41	0	0.00	0	1.84	0	0.00	0	0.00	0	0.00	0	0.00	0	5.88	1							

Franklin Watershed Water Quality Modeling																		City of Franklin SWMP Update-2002			
Pollutant Loadings (Lb./ac-yr)																		Copper			
	0.10		0.40		0.10		0.50		0.14		0.50		0.10		0.14		0.40				
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)
WILLOW EDGE TRIBUTARY																					
WE-1-1	21.88	2	0.00	0	4.28	0	0.00	0	0.00	0	0.00	0	0.00	0	0.55	0	0.00	0	28.71	3	0.10
WE-1-2	74.41	7	0.00	0	7.13	1	0.00	0	0.00	0	0.00	0	0.00	0	3.16	0	0.00	0	84.70	9	0.10
WE-1-3	55.67	6	0.00	0	6.40	1	0.00	0	0.00	0	0.00	0	0.00	0	0.16	0	0.00	0	62.23	6	0.10
WE-1-4	158.39	16	0.00	0	17.53	2	0.00	0	0.00	0	0.00	0	0.00	0	7.92	1	0.00	0	183.83	19	0.10
WE-1-5	47.65	5	0.00	0	0.18	0	0.00	0	0.00	0	0.00	0	0.00	0	0.53	0	0.00	0	48.37	5	0.10
WE-1-6	28.37	3	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	3.10	0	0.00	0	31.47	3	0.10
WE-1	99.94	10	0.00	0	59.30	6	0.00	0	0.00	0	0.00	0	0.00	0	4.35	1	0.00	0	163.59	17	0.10
Total:	486.31	49	0.00	0	94.82	9	0.00	0	0.00	0	0.00	0	0.00	0	19.78	3	0.00	0	600.90	61	0.10
WOODVIEW TRIBUTARY																					
WT-1-1	95.47	10	0.00	0	0.00	0	0.00	0	21.35	3	0.00	0	22.85	2	0.89	0	0.00	0	140.56	15	0.11
WT-1-2	60.03	6	0.00	0	0.92	0	0.00	0	0.00	0	0.00	0	41.95	4	5.18	1	0.00	0	108.08	11	0.10
WT-1-3	2.03	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.70	0	10.57	1	0.00	0	13.30	2	0.13
WT-1-4	0.25	0	0.12	0	0.00	0	0.00	0	0.00	0	0.00	0	0.02	0	94.94	13	0.00	0	95.33	13	0.14
WT-1-5	2.45	0	0.00	0	16.06	2	0.00	0	0.00	0	0.00	0	0.00	0	13.32	2	0.00	0	31.83	4	0.12
WT-1-6	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	58.51	8	0.00	0	58.51	8	0.14
WT-1-7	4.20	0	0.00	0	0.02	0	0.00	0	0.00	0	0.00	0	0.00	0	21.02	3	0.00	0	25.24	3	0.13
WT-1-8	106.29	11	0.00	0	42.50	4	0.00	0	0.00	0	0.00	0	0.00	0	30.79	4	3.92	2	183.50	21	0.11
WT-1-9	16.13	2	0.00	0	6.10	1	0.00	0	0.00	0	0.00	0	0.00	0	0.89	0	0.00	0	23.13	2	0.10
WT-1-10	23.20	2	0.00	0	9.83	1	0.00	0	0.00	0	0.00	0	0.00	0	8.22	1	1.22	0	42.46	5	0.12
WT-1-11	9.92	1	0.00	0	0.17	0	0.00	0	0.00	0	0.00	0	0.00	0	0.03	0	0.00	0	10.12	1	0.10
WT-1-12	13.39	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	11.40	2	0.59	0	25.38	3	0.12
WT-1-13	0.53	0	0.00	0	6.29	1	0.00	0	0.00	0	0.00	0	0.00	0	35.39	5	0.00	0	42.21	6	0.13
WT-1-14	6.82	1	1.34	1	16.07	2	0.00	0	2.95	0	0.00	0	0.00	0	23.75	3	0.00	0	50.93	7	0.13
WT-1-15	44.14	4	1.19	0	0.47	0	0.00	0	5.53	1	0.00	0	0.00	0	9.57	1	0.00	0	60.90	7	0.12
WT-1	57.56	6	0.00	0	0.50	0	0.00	0	5.87	1	0.00	0	0.00	0	2.68	0	0.00	0	66.61	7	0.11
Total:	442.42	44	2.65	1	98.92	10	0.00	0	35.69	5	0.00	0	65.53	7	327.15	46	5.74	2	978.10	115	0.12
Grand Total	10,960.31	1096	341.99	137	3,721.39	372	316.27	158	358.51	50	577.66	289	862.02	86	5,396.36	755	481.10	192	23,015.61	3145	0.14

Franklin Watershed Water Quality Modeling																			City of Franklin SWMP Update-2002		
Pollutant Loadings (Lb./ac-yr)																					
0.10			2.10		0.10		7.30		0.20		7.30		0.10		0.20		2.10				
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)
EAST BRANCH																					
EB-1	7.90	1	0.00	0	8.63	1	0.00	0	0.00	0	0.00	0	0.00	0	104.35	21	0.00	0	120.89	23	0.19
EB-2-1	2.70	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	41.45	8	0.00	0	44.15	9	0.19
EB-2-2	0.15	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	4.45	1	0.00	0	4.71	10	0.20
EB-2	80.90	8	0.00	0	25.10	3	0.00	0	45.10	9	0.00	0	0.00	0	3.45	1	0.00	0	114.81	12	0.11
EB-3	26.42	3	1.52	3	0.00	0	0.00	0	2.79	1	0.00	0	0.00	0	6.01	1	0.00	0	34.07	7	0.21
EB-4-1	12.69	1	0.00	0	1.44	0	0.00	0	0.00	0	0.00	0	0.00	0	6.14	1	0.00	0	40.33	7	0.18
EB-4	74.73	7	0.00	0	0.53	0	0.00	0	4.95	1	0.00	0	0.00	0	21.28	4	0.00	0	113.59	15	0.13
EB-5-1	17.29	2	0.00	0	0.64	0	0.00	0	15.13	3	0.00	0	0.00	0	23.20	5	0.00	0	17.98	2	0.10
EB-5	82.80	6	0.00	0	6.08	1	0.00	0	0.00	0	0.00	0	0.00	0	0.04	0	0.00	0	132.32	20	0.15
EB-6	19.12	2	0.00	0	0.00	0	0.00	0	27.74	6	0.00	0	0.00	0	35.70	7	0.00	0	31.43	4	0.14
EB-7	13.90	1	0.00	0	0.00	0	0.00	0	1.53	0	0.00	0	0.00	0	10.78	2	0.00	0	14.67	2	0.11
EB-8-1	0.95	0	0.00	0	1.02	0	0.00	0	0.00	0	0.00	0	0.00	0	0.78	0	0.00	0	23.47	4	0.19
EB-8	33.12	3	0.00	0	21.37	2	0.00	0	0.00	0	0.00	0	0.00	0	21.50	4	0.00	0	55.87	6	0.10
EB-9	19.02	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.38	0	0.00	0	20.11	2	0.11
EB-10-1	42.94	4	0.00	0	4.99	0	0.00	0	0.00	0	0.00	0	0.00	0	1.08	0	0.00	0	75.31	10	0.14
EB-10-2	58.43	6	3.60	8	9.90	1	0.00	0	0.00	0	0.00	0	0.00	0	27.38	5	0.00	0	150.30	30	0.20
EB-10-3	42.75	4	0.00	0	10.86	1	0.00	0	0.00	0	0.00	0	0.00	0	78.37	16	0.00	0	89.12	12	0.14
EB-10-4	10.16	1	0.00	0	4.68	0	0.00	0	0.00	0	0.00	0	0.00	0	35.51	7	0.00	0	15.83	2	0.11
EB-10-5	11.70	1	22.10	46	1.97	0	0.00	0	0.00	0	0.00	0	0.00	0	0.99	0	0.00	0	35.79	48	1.33
EB-10	36.30	4	0.00	0	1.22	0	0.00	0	0.00	0	0.00	0	0.00	0	0.01	0	0.00	0	44.92	5	0.12
EB-11	70.09	7	0.00	0	6.66	1	0.00	0	0.00	0	0.00	0	0.00	0	7.40	1	0.00	0	84.86	9	0.11
EB-12	39.89	4	15.55	33	0.24	0	3.83	28	6.85	1	0.00	0	0.00	0	3.11	2	0.00	0	100.67	49	0.48
EB-13	47.20	5	1.69	4	17.44	2	3.78	28	0.00	0	0.00	0	0.00	0	18.05	4	0.33	1	84.74	70	0.83
EB-14	0.73	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	27.93	6	2.63	6	100.67	49	0.48
EB-15	0.00	0	0.00	0	1.81	0	0.00	0	0.00	0	0.00	0	1.96	0	101.18	20	28.96	61	132.83	81	0.61
EB-16	1.82	0	0.00	0	3.70	0	0.00	0	0.00	0	0.00	0	0.00	0	0.75	0	2.72	6	5.28	6	1.14
EB-17A	61.87	8	0.00	0	6.21	1	0.00	0	3.35	1	0.00	0	0.00	0	11.16	2	2.91	6	22.93	10	0.42
EB-17B	0.00	0	33.58	71	0.00	0	5.86	43	0.00	0	0.00	0	0.00	0	8.30	2	0.00	0	76.37	8	0.11
EB-18-1	8.07	1	0.00	0	0.31	0	0.00	0	0.00	0	0.00	0	0.00	0	2.00	0	2.90	6	42.34	120	2.83
EB-18-2	22.53	2	0.00	0	0.20	0	0.00	0	0.00	0	0.00	0	0.00	0	20.07	4	0.00	0	28.46	5	0.17
EB-18	0.32	0	0.00	0	6.46	1	0.00	0	9.37	2	0.00	0	0.00	0	52.09	10	0.00	0	84.19	15	0.17
EB-19	10.56	1	0.00	0	5.45	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	6.81	1	0.10
EB-20	39.28	4	0.00	0	5.86	1	0.00	0	0.00	0	0.00	0	0.00	0	0.05	0	0.00	0	16.06	2	0.10
EB-21	5.65	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	9.44	2	0.00	0	54.58	6	0.12
EB-22	15.88	2	0.00	0	1.29	0	0.00	0	0.00	0	0.00	0	0.00	0	0.05	0	0.00	0	5.70	1	0.10
EB-23-1	12.83	1	2.99	6	0.73	0	0.00	0	0.00	0	0.00	0	0.00	0	5.70	1	0.00	0	22.68	3	0.12
EB-23-2	4.36	0	1.71	4	1.63	0	0.00	0	0.00	0	0.00	0	0.00	0	1.09	0	0.00	0	17.65	8	0.45
EB-23	2.28	0	1.55	3	17.32	2	0.00	0	0.00	0	0.00	0	0.00	0	7.88	2	0.00	0	15.57	6	0.37
EB-24-1	34.85	3	0.00	0	22.15	2	0.00	0	0.00	0	0.00	0	0.00	0	42.13	8	0.00	0	63.29	14	0.22
EB-24-2	26.14	3	0.00	0	37.31	4	0.00	0	0.00	0	0.00	0	0.00	0	27.05	5	0.00	0	84.06	11	0.13
EB-24-3	7.51	1	0.00	0	10.58	1	0.00	0	0.00	0	0.00	0	0.00	0	11.69	2	0.00	0	75.14	9	0.12
EB-24	0.07	0	0.00	0	1.19	0	0.00	0	0.00	0	0.00	0	0.00	0	1.27	0	0.00	0	19.37	2	0.11
Total:	985.93	98	84.30	177	245.02	25	13.47	98	116.83	23	0.00	0	1.96	0	790.44	158	40.45	85	2,276.38	665	0.29

Franklin Watershed Water Quality Modeling																	City of Franklin SWMP Update-2002				
Pollutant Loadings (Lb./ac-yr)																	Zinc				
		0.10		2.10		0.10		7.30		0.20		7.30		0.10		0.20		2.10			
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)
FOX RIVER																					
FX-1-1	0.00	0	0.00	0	3.80	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	3.80	0	0.10
FX-1	41.28	4	0.00	0	9.71	1	0.00	0	0.00	0	0.00	0	0.00	0	3.25	1	2.83	8	57.05	12	0.20
FX-2	76.97	8	1.25	3	11.51	1	16.68	122	0.00	0	7.39	84	0.00	0	8.43	2	0.00	0	122.23	189	1.55
FX-3	7.68	1	0.09	0	4.73	0	13.10	96	0.00	0	104.02	759	0.00	0	2.05	0	0.00	0	131.88	857	6.51
Total:	125.91	13	1.34	3	29.75	3	29.78	217	0.00	0	111.42	813	0.00	0	13.74	3	2.83	8	314.75	1058	3.36
LOWER BRANCH																					
LB-1-1	3.91	0	0.08	0	0.00	0	14.57	106	0.00	0	0.00	0	0.00	0	0.55	0	0.00	0	19.11	107	5.60
LB-1	3.96	0	0.03	0	0.00	0	9.05	66	0.00	0	0.00	0	0.00	0	2.48	0	0.00	0	15.52	67	4.32
LB-2-1	8.92	1	2.83	6	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	11.54	6	0.55
LB-2-2	6.75	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	6.75	1	0.10
LB-2	150.94	15	4.35	9	25.59	3	0.00	0	0.00	0	0.00	0	0.00	0	2.97	1	0.00	0	183.85	27	0.15
Total:	174.47	17	7.09	15	25.59	3	23.62	172	0.00	0	0.00	0	0.00	0	6.00	1	0.00	0	236.77	208	0.88
MIDDLE BRANCH																					
MB-1-1	66.97	7	0.00	0	24.55	2	0.00	0	0.00	0	0.00	0	0.00	0	0.09	0	0.00	0	91.60	9	0.10
MB-1-2	101.44	10	0.03	0	34.49	3	11.89	87	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	147.86	100	0.68
MB-1-3	35.17	4	0.00	0	4.62	0	0.00	0	0.00	0	0.00	0	0.06	0	4.55	1	0.00	0	44.40	5	0.11
MB-1-4	10.50	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	36.96	4	3.06	1	0.00	0	50.51	5	0.11
MB-1-5	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	9.51	1	0.01	0	0.00	0	9.52	1	0.10
MB-1-6	34.91	3	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.71	0	3.92	1	0.00	0	39.55	4	0.11
MB-1-7	14.33	1	0.00	0	31.23	3	0.00	0	0.00	0	0.00	0	134.56	13	0.00	0	0.00	0	180.12	18	0.10
MB-1-8	1.55	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	45.42	5	0.00	0	0.00	0	46.97	5	0.10
MB-1-9A	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.01	0	9.84	2	0.00	0	9.85	2	0.20
MB-1-9B	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	8.90	2	0.00	0	8.90	2	0.20
MB-1-10	17.47	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	3.33	1	0.00	0	20.80	2	0.12
MB-1-11	113.99	11	0.15	0	8.13	1	5.09	37	0.00	0	0.00	0	0.00	0	2.43	0	0.00	0	129.78	50	0.39
MB-1-12A	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	34.15	7	0.00	0	34.15	7	0.20
MB-1-12B	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	34.86	7	0.00	0	34.86	7	0.20
MB-1-13	48.41	5	1.88	4	5.23	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	55.82	9	0.17
MB-1	110.50	11	0.00	0	47.17	5	0.00	0	0.00	0	0.00	0	0.00	0	7.42	1	0.00	0	165.09	17	0.10
Total:	555.23	58	2.06	4	155.42	16	16.98	124	0.00	0	0.00	0	227.23	23	112.56	23	0.00	0	1,069.48	245	0.23
NORTH BRANCH																					
NB-1	5.24	1	19.22	40	0.00	0	0.00	0	5.20	1	0.00	0	0.00	0	1.48	0	0.00	0	31.13	42	1.36
NB-2	1.87	0	0.97	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.81	0	0.69	1	4.33	4	0.88
Total:	7.11	1	20.19	42	0.00	0	0.00	0	5.20	1	0.00	0	0.00	0	2.29	0	0.69	1	35.47	46	1.30

Franklin Watershed Water Quality Modeling

City of Franklin SWMP Update-2002

Pollutant Loadings (Lb./ac-yr)

Zinc

	0.10		2.10		0.10		7.30		0.20		7.30		0.10		0.20		2.10				
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MjneDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Tranhsportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)
ROOT RIVER CANAL																					
RRC-1	2.12	0	0.00	0	20.16	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	22.27	2	0.10
RRC-2	92.75	9	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	98.67	10	0.11
RRC-3-1	25.85	3	0.00	0	32.24	3	0.00	0	0.00	0	0.00	0	0.00	0	5.92	1	0.00	0	59.10	8	0.10
RRC-3	69.76	7	0.00	0	0.34	0	0.00	0	0.00	0	0.00	0	0.00	0	1.01	0	0.00	0	72.18	7	0.10
RRC-4	17.50	2	0.00	0	35.93	4	0.00	0	0.00	0	0.00	0	0.00	0	2.09	0	0.00	0	60.58	7	0.11
RRC-5	1.97	0	0.00	0	34.10	3	0.00	0	0.00	0	0.00	0	0.00	0	7.15	1	0.00	0	36.48	4	0.10
RRC-6	59.36	6	0.00	0	6.33	1	0.00	0	0.00	0	0.00	0	0.00	0	0.41	0	0.00	0	65.72	7	0.10
Total:	289.31	27	0.00	0	129.10	13	0.00	0	0.00	0	0.00	0	0.00	0	0.02	0	0.00	0	415.00	43	0.10
TESS CORNERS CREEK																					
TC-1	6.02	1	0.00	0	16.22	2	0.00	0	0.00	0	0.00	0	0.15	0	1.43	0	0.00	0	22.83	2	0.11
TC-2	0.20	0	0.00	0	80.20	6	0.00	0	0.00	0	0.00	0	149.95	15	0.00	0	0.00	0	210.35	21	0.10
TC-3	53.82	5	0.00	0	101.54	10	0.00	0	0.00	0	0.00	0	21.70	2	124.70	25	5.84	12	307.61	55	0.18
TC-4-1	28.43	3	0.00	0	76.50	8	0.00	0	6.50	1	0.00	0	0.00	0	41.68	8	19.50	41	172.82	61	0.36
TC-4-2	20.19	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.61	0	3.31	7	25.11	9	0.37
TC-4-3A	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	8.24	1	0.00	0	8.24	1	0.20
TC-4-3B	15.46	2	0.00	0	0.08	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	15.48	2	0.10
TC-4-4	21.45	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	37.29	7	0.20
TC-4	2.07	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.81	0	0.00	0	1.10	2	37.29	7	0.20
TC-4-5	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	14.96	24	1.58
TC-5	7.28	1	6.18	13	0.00	0	0.00	0	0.00	0	0.00	0	20.85	2	10.03	2	4.34	9	35.22	13	0.37
TC-6	2.29	0	0.00	0	6.24	1	0.00	0	0.72	0	0.00	0	0.00	0	14.34	3	13.54	28	42.05	45	1.07
TC-7	0.00	0	0.00	0	20.91	2	0.00	0	17.28	3	0.00	0	0.00	0	0.21	0	2.81	6	11.56	7	0.59
TC-8-1A	0.00	0	0.00	0	0.00	0	16.34	119	0.00	0	0.00	0	0.00	0	1.18	0	3.77	8	43.14	14	0.32
TC-8-1B	17.54	2	2.98	6	0.00	0	0.00	0	0.49	0	0.00	0	0.00	0	0.00	0	0.00	0	16.34	119	7.30
TC-8	30.81	3	0.00	0	4.18	0	0.00	0	0.00	0	0.00	0	0.00	0	34.51	7	3.38	7	58.91	22	0.38
TC-9-1	5.36	1	0.00	0	2.82	0	0.00	0	0.00	0	0.00	0	0.00	0	7.88	2	1.88	4	44.35	9	0.19
TC-9-2	0.20	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	19.91	4	0.00	0	28.09	5	0.17
TC-9-3	6.63	1	0.00	0	6.97	1	0.00	0	7.27	1	0.00	0	0.58	0	29.11	6	0.00	0	37.16	7	0.20
TC-9	0.00	0	0.11	0	23.35	2	0.00	0	8.54	2	0.00	0	0.00	0	70.98	14	0.00	0	84.58	16	0.18
TC-10	9.83	1	0.00	0	3.13	0	0.00	0	0.00	0	0.00	0	0.00	0	80.63	16	2.53	5	115.16	26	0.22
TC-11-1	7.45	1	0.00	0	4.42	0	0.00	0	0.00	0	0.00	0	0.00	0	2.55	1	0.00	0	15.51	2	0.12
TC-11-2	23.84	2	0.00	0	13.29	1	0.00	0	0.00	0	0.00	0	0.00	0	0.76	0	0.02	0	12.86	1	0.11
TC-11-3	0.63	0	1.60	3	0.00	0	0.00	0	3.92	1	0.00	0	0.00	0	0.96	0	2.38	5	44.39	10	0.22
TC-11-4	58.15	6	0.00	0	21.46	2	0.00	0	0.67	0	0.00	0	0.00	0	12.41	2	0.00	0	15.32	6	0.39
TC-11-5	13.12	1	0.00	0	12.98	1	0.00	0	20.50	4	0.00	0	0.00	0	0.70	0	2.19	5	103.00	17	0.16
TC-11-6	3.45	0	0.32	1	15.54	2	0.00	0	0.89	0	0.00	0	0.00	0	24.39	5	0.00	0	51.38	8	0.15
TC-11-7	0.04	0	0.00	0	3.10	0	0.00	0	1.39	0	0.00	0	5.08	1	22.11	4	0.00	0	47.89	8	0.16
TC-11-8	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	31.29	6	3.90	19	43.34	25	0.58
TC-11	4.58	0	0.04	0	3.28	0	0.00	0	0.00	0	0.00	0	0.00	0	22.30	4	0.00	0	22.30	4	0.20
TC-12	55.13	6	0.00	0	13.54	1	0.00	0	0.00	0	0.00	0	0.00	0	68.03	14	0.00	0	75.94	14	0.19
TC-13	29.85	3	0.00	0	5.04	1	3.04	22	0.00	0	0.00	0	0.00	0	6.82	1	4.13	9	79.61	17	0.21
TC-14-1	0.00	0	2.99	6	2.89	0	0.00	0	0.00	0	0.00	0	0.00	0	1.51	0	1.68	4	41.13	30	0.72
TC-14-2	0.00	0	0.05	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	26.07	5	8.43	18	40.38	29	0.73
TC-14	0.00	0	1.67	4	3.07	0	0.00	0	0.00	0	0.00	0	0.00	0	78.51	16	0.00	0	78.57	16	0.20
TC-15	1.35	0	0.00	0	3.80	0	0.00	0	9.71	2	0.00	0	0.00	0	23.07	5	7.51	16	35.32	24	0.68
TC-16	0.03	0	0.04	0	36.84	4	0.00	0	0.00	0	0.00	0	0.00	0	1.17	0	2.01	4	17.85	7	0.39
TC-17-1	0.03	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	103.80	21	0.00	0	140.71	25	0.17
TC-17-2	3.41	0	0.00	0	1.84	0	0.00	0	0.00	0	0.00	0	0.00	0	13.38	3	0.00	0	13.41	3	0.20
TC-17	25.91	3	0.00	0	3.88	0	0.00	0	0.41	0	0.00	0	0.00	0	5.98	1	1.62	3	13.25	5	0.39
TC-18	3.31	0	0.00	0	4.12	0	0.00	0	0.00	0	0.00	0	0.00	0	28.44	6	0.00	0	58.23	9	0.15
TC-19	0.00	0	0.00	0	13.58	1	0.00	0	0.00	0	0.00	0	0.00	0	12.25	2	0.00	0	19.87	3	0.15
TC-20	0.00	0	0.39	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	44.06	9	0.00	0	57.64	10	0.18
TC-21	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	32.81	7	0.06	0	33.26	8	0.23
TC-22	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	107.98	22	0.00	0	107.98	22	0.20
TC-23	0.00	0	0.48	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	39.63	8	0.00	0	39.63	8	0.20
TC-24-1	0.00	0	1.33	3	0.00	0	0.19	1	0.00	0	0.00	0	0.00	0	47.54	10	1.41	3	49.42	13	0.27
TC-24-2	0.00	0	2.34	5	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	5.11	1	0.54	1	7.17	6	0.88
TC-24	8.92	1	28.06	59	2.64	0	24.62	180	0.00	0	0.00	0	0.00	0	6.69	1	0.45	1	9.48	7	0.76
TC-25	0.00	0	5.76	12	0.00	0	2.74	20	1.12	0	0.00	0	32.75	3	36.23	7	18.03	38	151.25	288	1.91
Total:	485.78	47	54.33	114	487.27	49	48.93	343	79.41	16	0.00	0	232.89	23	1,289.47	258	132.93	279	2,789.02	1128	0.40

Franklin Watershed Water Quality Modeling

Zinc																					
Pollutant Loadings (Lb./ac-yr)																					
0.10		2.10		0.10		7.30		0.20		7.30		0.10		0.20		2.10					
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)
WILKOWEDGE TRIBUTARY																					
WE-1-1	21.88	2	0.00	0	4.28	0	0.00	0	0.00	0	0.00	0	0.00	0	0.55	0	0.00	0	26.71	3	0.10
WE-1-2	74.41	7	0.00	0	7.13	1	0.00	0	0.00	0	0.00	0	0.00	0	3.16	1	0.00	0	84.70	9	0.10
WE-1-3	55.67	6	0.00	0	6.40	1	0.00	0	0.00	0	0.00	0	0.00	0	0.16	0	0.00	0	62.23	6	0.10
WE-1-4	158.39	16	0.00	0	17.53	2	0.00	0	0.00	0	0.00	0	0.00	0	7.92	2	0.00	0	183.83	19	0.10
WE-1-5	47.65	5	0.00	0	0.18	0	0.00	0	0.00	0	0.00	0	0.00	0	0.53	0	0.00	0	48.37	5	0.10
WE-1-6	28.37	3	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	3.10	1	0.00	0	31.47	3	0.11
WE-1	99.94	10	0.00	0	59.30	6	0.00	0	0.00	0	0.00	0	0.00	0	4.35	1	0.00	0	163.59	17	0.10
Total:	486.31	49	0.00	0	94.82	9	0.00	0	0.00	0	0.00	0	0.00	0	19.78	4	0.00	0	600.90	82	0.10
WOODVIEW TRIBUTARY																					
WT-1-1	95.47	10	0.00	0	0.00	0	0.00	0	21.35	4	0.00	0	22.85	2	0.89	0	0.00	0	140.58	16	0.12
WT-1-2	60.03	6	0.00	0	0.92	0	0.00	0	0.00	0	0.00	0	41.95	4	5.18	1	0.00	0	108.08	11	0.10
WT-1-3	2.03	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.70	0	10.57	2	0.00	0	13.30	2	0.18
WT-1-4	0.25	0	0.12	0	0.00	0	0.00	0	0.00	0	0.00	0	0.02	0	94.94	19	0.00	0	95.33	19	0.20
WT-1-5	2.45	0	0.00	0	16.06	2	0.00	0	0.00	0	0.00	0	0.00	0	13.32	3	0.00	0	31.83	5	0.14
WT-1-6	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	58.51	12	0.00	0	58.51	12	0.20
WT-1-7	4.20	0	0.00	0	0.02	0	0.00	0	0.00	0	0.00	0	0.00	0	21.02	4	0.00	0	25.24	5	0.18
WT-1-8	108.29	11	0.00	0	42.50	4	0.00	0	0.00	0	0.00	0	0.00	0	30.79	6	3.92	8	183.50	29	0.16
WT-1-9	16.13	2	0.00	0	8.10	1	0.00	0	0.00	0	0.00	0	0.00	0	0.89	0	0.00	0	23.13	2	0.10
WT-1-10	23.20	2	0.00	0	9.83	1	0.00	0	0.00	0	0.00	0	0.00	0	8.22	2	1.22	3	42.46	8	0.18
WT-1-11	9.92	1	0.00	0	0.17	0	0.00	0	0.00	0	0.00	0	0.00	0	0.03	0	0.00	0	10.12	1	0.10
WT-1-12	13.39	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	11.40	2	0.59	1	25.38	5	0.19
WT-1-13	0.63	0	0.00	0	8.29	1	0.00	0	0.00	0	0.00	0	0.00	0	35.39	7	0.00	0	42.21	8	0.18
WT-1-14	6.82	1	1.34	3	16.07	2	0.00	0	2.95	1	0.00	0	0.00	0	23.75	5	0.00	0	50.93	10	0.21
WT-1-15	44.14	4	1.19	2	0.47	0	0.00	0	5.53	1	0.00	0	0.00	0	9.57	2	0.00	0	60.90	10	0.16
WT-1	57.56	6	0.00	0	0.50	0	0.00	0	5.87	1	0.00	0	0.00	0	2.68	1	0.00	0	66.61	8	0.11
Total:	442.42	44	2.85	6	98.92	10	0.00	0	35.69	7	0.00	0	65.53	7	327.15	65	5.74	12	978.10	151	0.15
Grand Total	10,960.31	1096	341.99	718	3,721.39	372	316.27	2309	358.51	72	577.66	4217	862.02	86	5,396.36	1079	481.10	1010	23,015.61	10980	0.48

Franklin Watershed Water Quality Modeling																			City of Franklin SWMP Update-2002		
Pollutant Loadings (Lb./ac-yr)																			Zinc		
		0.10		2.10		0.10		7.30		0.20		7.30		0.10		0.20		2.10			
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)
ORCHARD VIEW TRIBUTARY																					
OV-1-1	0.32	0	0.00	0	3.82	0	0.00	0	0.00	0	0.00	0	0.30	0	98.79	20	0.00	0	103.22	20	0.20
OV-1	28.44	3	0.00	0	0.17	0	0.00	0	0.00	0	0.00	0	0.00	0	2.73	1	0.00	0	29.34	3	0.11
Total:	28.76	3	0.00	0	3.99	0	0.00	0	0.00	0	0.00	0	0.30	0	101.52	20	0.00	0	132.57	23	0.18
RYAN CREEK																					
RC-1	41.71	4	0.00	0	15.85	2	0.00	0	0.00	0	0.00	0	4.20	0	1.37	0	0.00	0	63.14	6	0.10
RC-2	0.05	0	0.00	0	15.97	2	0.00	0	0.00	0	0.00	0	0.00	0	10.34	2	0.00	0	28.38	4	0.14
RC-3-1	7.58	1	0.00	0	0.00	0	0.00	0	0.04	0	0.00	0	1.34	0	0.00	0	1.28	3	10.83	4	0.33
RC-3-2	3.44	0	0.00	0	0.00	0	0.00	0	3.18	1	0.00	0	1.88	0	0.00	0	0.47	1	8.93	2	0.24
RC-3-3	2.34	0	0.00	0	0.00	0	0.00	0	1.17	0	0.00	0	0.00	0	0.11	0	0.35	1	3.97	1	0.31
RC-3-4	73.10	7	1.51	3	2.87	0	0.00	0	0.00	0	0.00	0	0.00	0	5.70	1	4.10	9	87.30	21	0.24
RC-3	183.86	18	3.07	8	6.99	1	0.00	0	0.00	0	0.00	0	0.00	0	23.50	5	0.85	1	218.07	32	0.14
RC-4	49.13	5	0.00	0	9.98	1	0.00	0	0.89	0	0.00	0	0.00	0	0.00	0	1.15	2	60.84	8	0.14
RC-5-1	25.78	3	0.00	0	21.46	2	0.00	0	0.00	0	0.00	0	0.00	0	10.09	2	5.96	13	63.28	19	0.30
RC-5-2	22.57	2	0.00	0	5.93	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	2.97	8	31.47	9	0.29
RC-5-3	22.65	2	0.00	0	0.01	0	0.00	0	0.00	0	0.00	0	0.00	0	54.72	11	0.00	0	77.38	13	0.17
RC-5-4	2.63	0	0.00	0	18.59	2	0.00	0	0.00	0	0.00	0	0.00	0	0.48	0	1.83	4	21.42	6	0.27
RC-5	35.28	4	0.00	0	28.48	3	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	81.76	6	0.10
RC-6	48.73	5	0.00	0	53.29	5	0.00	0	0.00	0	0.00	0	0.00	0	3.11	1	0.00	0	105.13	11	0.10
RC-7	84.28	8	0.00	0	5.80	1	0.00	0	0.00	0	0.00	0	0.00	0	0.76	0	0.00	0	90.82	9	0.10
RC-8	27.53	3	0.00	0	0.31	0	0.00	0	0.00	0	0.00	0	0.00	0	3.18	1	0.00	0	31.02	3	0.11
RC-9-2	117.55	12	0.00	0	30.95	3	0.00	0	0.00	0	0.00	0	0.00	0	9.77	2	0.00	0	158.27	17	0.11
RC-9	76.08	8	0.00	0	2.85	0	0.00	0	0.00	0	0.00	0	0.00	0	1.06	0	0.00	0	79.98	8	0.10
RC-10	116.44	12	0.00	0	4.29	0	0.00	0	0.00	0	0.00	0	0.00	0	0.54	0	0.00	0	121.28	12	0.10
RC-10-1	12.94	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.02	0	0.00	0	12.98	1	0.10
RC-11-1	200.13	20	0.00	0	28.28	3	0.00	0	0.00	0	0.00	0	0.00	0	12.49	2	0.00	0	240.90	25	0.11
RC-11	223.03	22	0.00	0	59.42	8	0.00	0	0.00	0	0.00	0	0.00	0	16.09	3	0.00	0	288.54	31	0.11
RC-12	29.71	3	0.00	0	0.88	0	0.00	0	0.00	0	0.00	0	0.00	0	0.28	0	0.00	0	30.88	3	0.10
RC-13-1	38.02	4	0.00	0	5.13	1	0.00	0	0.00	0	0.00	0	0.00	0	0.97	0	0.00	0	42.13	4	0.10
RC-13	1.02	0	0.00	0	0.01	0	0.00	0	0.00	0	0.00	0	0.00	0	5.37	1	0.00	0	6.39	1	0.18
RC-14-1	19.00	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	9.51	2	3.13	7	31.84	10	0.33
RC-14	99.89	10	0.00	0	4.28	0	0.00	0	0.00	0	0.00	0	0.00	0	1.39	0	2.72	6	108.29	16	0.15
RC-15	19.71	2	0.00	0	2.15	0	0.00	0	0.00	0	0.00	0	0.00	0	3.90	1	2.15	5	27.91	7	0.27
RC-16-1	38.00	4	0.00	0	3.13	0	1.74	13	0.00	0	0.00	0	0.00	0	1.15	0	1.18	2	45.19	20	0.43
RC-16-2	87.18	9	0.00	0	0.87	0	0.00	0	0.00	0	0.00	0	0.00	0	2.58	1	1.83	3	92.28	13	0.14
RC-16	90.11	9	1.78	4	10.31	1	0.00	0	0.00	0	0.00	0	0.00	0	0.16	0	2.64	8	104.98	19	0.18
RC-17	36.89	4	0.00	0	10.80	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.81	3	49.30	8	0.17
RC-18-1	33.04	3	0.00	0	0.50	0	0.00	0	0.00	0	0.00	0	0.00	0	2.87	1	0.00	0	38.41	4	0.11
RC-18-2	168.83	17	0.00	0	34.58	3	0.00	0	0.00	0	0.00	0	0.00	0	7.72	2	0.00	0	210.92	22	0.10
RC-18-3	0.00	0	0.00	0	14.61	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.01	0	14.62	1	0.10
RC-18-4	51.49	5	0.00	0	9.95	1	0.00	0	0.00	0	0.00	0	0.00	0	8.87	2	0.00	0	70.01	8	0.11
RC-18-5	35.12	6	0.00	0	60.67	6	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	115.79	12	0.10
RC-18-6	88.89	7	0.88	1	31.81	3	1.11	8	0.00	0	0.00	0	0.00	0	7.89	2	0.00	0	108.19	21	0.19
RC-18-7	83.52	6	0.49	0	21.24	2	0.27	2	0.00	0	0.00	0	0.00	0	1.80	0	0.01	0	88.72	11	0.13
RC-18-8	10.11	1	0.00	0	1.31	0	0.00	0	0.00	0	0.00	0	0.00	0	4.35	1	0.00	0	15.77	2	0.13
RC-18-9	9.53	1	0.00	0	4.14	0	0.00	0	0.00	0	0.00	0	0.00	0	0.13	0	0.00	0	13.80	1	0.10
RC-18-10	81.22	8	0.80	2	49.87	5	1.60	0	0.00	0	0.00	0	0.00	0	18.36	4	0.00	0	150.05	18	0.12
RC-18-11	51.18	5	0.00	0	7.62	1	0.00	0	0.00	0	0.00	0	0.00	0	3.57	1	0.00	0	62.36	7	0.11
RC-18-12	16.37	2	0.00	0	4.29	0	0.00	0	0.00	0	0.00	0	1.33	0	8.87	2	0.00	0	30.65	4	0.13
RC-18	35.30	4	1.36	3	8.09	1	0.00	0	0.00	0	0.00	0	0.00	0	7.55	2	0.00	0	52.30	9	0.17
Total:	2,476.68	248	9.28	19	593.31	59	3.12	23	4.97	1	0.00	0	9.33	1	249.70	50	43.83	71	3,380.20	472	0.14

Franklin Watershed Water Quality Modeling															City of Franklin SWMP Update-2002						
Pollutant Loadings (Lb./ac-yr)															Zinc						
	0.10		2.10		0.10		7.30		0.20		7.30		0.10		0.20		2.10				
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)
ROOT RIVER																			181.35	16	0.10
RR-1	88.75	9	0.00	0	74.59	7	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	133.16	14	0.10
RR-2	77.96	8	0.00	0	49.75	5	0.00	0	0.00	0	0.00	0	0.00	0	5.45	1	0.00	0	93.48	10	0.11
RR-3	69.93	7	0.00	0	14.67	1	0.00	0	0.00	0	0.00	0	0.00	0	8.89	2	0.00	0	83.37	9	0.11
RR-4	56.85	6	0.00	0	19.97	2	0.00	0	0.00	0	0.00	0	0.00	0	6.55	1	0.00	0	21.85	33	1.49
RR-5-1	14.45	1	0.00	0	0.00	0	4.18	31	0.00	0	0.00	0	0.00	0	3.22	1	0.00	0	2.83	0	0.11
RR-5-2	2.68	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.14	0	0.00	0	88.86	9	0.10
RR-5	48.27	5	0.00	0	39.23	4	0.00	0	0.00	0	0.00	0	0.00	0	1.38	0	0.00	0	24.93	2	0.10
RR-6	6.83	1	0.00	0	18.11	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	43.64	4	0.10
RR-7	0.00	0	0.00	0	43.64	4	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	19.50	2	0.10
RR-8	7.08	1	0.00	0	12.42	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	122.52	505	4.12
RR-9-1	44.20	4	1.08	2	4.53	0	88.13	497	0.00	0	0.00	0	0.00	0	4.59	1	0.00	0	7.04	51	7.25
RR-9-2A	0.00	0	0.00	0	0.05	0	6.99	51	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	4.46	0	0.10
RR-9-2B	4.64	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	32.75	4	0.11
RR-9	24.84	2	0.00	0	4.57	0	0.00	0	0.00	0	0.00	0	0.00	0	3.34	1	0.00	0	22.02	2	0.10
RR-10	0.00	0	0.00	0	20.88	2	0.00	0	0.00	0	0.00	0	1.14	0	0.00	0	3.28	7	47.00	286	5.66
RR-11-1	1.71	0	9.20	19	0.00	0	32.81	240	0.00	0	0.00	0	0.00	0	0.00	0	2.64	8	103.30	16	0.15
RR-11-2	100.66	10	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	2.54	8	157.03	164	0.98
RR-11	55.43	6	2.11	4	73.58	7	18.07	132	0.00	0	0.00	0	0.00	0	6.29	1	1.55	3	351.67	80	0.23
RR-12	176.66	18	1.02	2	154.71	15	4.29	31	0.00	0	0.00	0	0.00	0	9.56	2	5.43	11	155.14	35	0.22
RR-13-1	108.28	11	0.73	2	0.66	0	0.00	0	22.99	5	1.11	8	15.05	2	2.66	1	3.67	8	128.17	17	0.14
RR-13	70.24	7	0.00	0	50.52	5	0.00	0	5.35	1	0.00	0	0.00	0	0.00	0	2.07	4	81.51	14	0.22
RR-14-1	38.52	4	3.22	7	9.15	1	0.00	0	0.00	0	0.00	0	0.00	0	10.61	2	0.00	0	32.48	7	0.21
RR-14-2	28.95	3	0.71	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.77	0	1.05	2	108.37	28	0.24
RR-14	82.34	8	1.90	4	13.12	1	0.00	0	0.00	0	0.00	0	0.72	0	4.88	1	5.41	11	16.24	2	0.10
RR-15-1	7.75	1	0.00	0	3.04	0	0.00	0	0.00	0	0.00	0	5.45	1	0.00	0	0.00	0	13.18	1	0.11
RR-15-2	5.91	1	0.00	0	6.18	1	0.00	0	0.00	0	0.00	0	0.00	0	1.09	0	0.00	0	43.19	5	0.11
RR-15-3	38.09	4	0.00	0	0.37	0	0.00	0	0.00	0	0.00	0	0.00	0	4.73	1	0.00	0	193.68	19	0.10
RR-15	157.27	16	0.00	0	13.33	1	0.00	0	0.00	0	0.00	0	22.59	2	0.49	0	0.00	0	41.90	4	0.10
RR-16	26.81	3	0.00	0	14.76	1	0.00	0	0.00	0	0.00	0	0.00	0	0.34	0	0.00	0	88.73	9	0.10
RR-17	58.92	6	0.00	0	27.40	3	0.00	0	0.00	0	0.00	0	0.00	0	2.41	0	0.00	0	27.72	6	0.20
RR-18-1	0.16	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	27.56	6	0.00	0	29.63	4	0.15
RR-18-2	13.78	1	0.00	0	0.83	0	0.00	0	0.00	0	0.00	0	0.00	0	15.21	3	0.00	0	159.89	16	0.10
RR-18	129.92	13	0.00	0	28.71	3	0.00	0	1.26	0	0.00	0	0.00	0	0.00	0	0.00	0	38.76	5	0.12
RR-19	11.51	1	0.00	0	17.75	2	0.00	0	0.00	0	0.00	0	0.00	0	9.50	2	0.00	0	51.33	8	0.15
RR-20	13.57	1	0.00	0	7.04	1	0.00	0	0.00	0	0.00	0	6.46	1	24.27	5	0.00	0	388.89	1801	4.63
RR-21	101.04	10	1.23	3	27.77	3	1.82	12	0.00	0	240.28	1754	0.00	0	8.32	2	8.62	18	44.56	7	0.16
RR-22-1	17.63	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	26.93	5	0.00	0	78.43	10	0.12
RR-22	51.41	5	0.00	0	8.85	1	0.00	0	0.00	0	0.00	0	0.00	0	18.17	4	0.00	0	45.11	9	0.20
RR-23-1	0.04	0	0.00	0	0.01	0	0.00	0	0.00	0	0.00	0	0.00	0	45.06	9	0.00	0	103.09	198	1.92
RR-23	43.18	4	0.00	0	14.12	1	0.00	0	0.00	0	25.52	186	0.00	0	19.16	4	1.11	2	71.85	63	0.88
RR-24	38.63	4	0.32	1	16.86	2	6.14	45	0.00	0	0.00	0	0.00	0	4.69	1	5.19	11	127.46	77	0.60
RR-25-1	42.09	4	12.71	27	49.05	5	0.00	0	0.00	0	0.00	0	0.00	0	4.66	1	18.94	40	149.73	53	0.35
RR-25	81.93	8	0.03	0	51.49	5	4.57	33	1.81	0	0.00	0	0.00	0	7.94	2	1.97	4	97.05	31	0.32
RR-26-1	1.09	0	0.05	0	0.00	0	0.00	0	0.00	0	0.21	2	0.00	0	90.59	18	5.09	11	100.50	23	0.22
RR-26-2	64.94	6	0.00	0	8.74	1	0.00	0	0.03	0	0.00	0	0.00	0	21.86	4	5.14	11	48.05	5	0.11
RR-26-3	43.20	4	0.00	0	0.00																

Franklin Watershed Water Quality Modeling

City of Franklin SWMP Update-2002

Pollutant Loadings (Lb./ac-yr)

Zinc

	0.10		2.10		0.10		7.30		0.20		7.30		0.10		0.20		2.10				
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)
NORTH CENTRAL TRIBUTARY																					
NC-1	1.36	0	0.00	0	6.99	1	0.00	0	0.00	0	0.00	0	0.02	0	7.83	2	0.00	0	16.20	2	0.15
NC-2	50.80	5	0.00	0	6.29	1	0.00	0	0.00	0	0.00	0	0.00	0	20.87	4	0.00	0	77.76	10	0.13
NC-3	1.46	0	0.00	0	1.20	0	0.00	0	0.00	0	0.00	0	23.62	2	6.33	1	0.00	0	32.60	4	0.12
NC-4-1	5.00	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	4.90	1	0.00	0	9.91	1	0.15
NC-4-2	17.22	2	0.00	0	4.17	0	0.00	0	2.08	0	0.00	0	0.00	0	0.04	0	0.00	0	23.50	3	0.11
NC-4-3	0.06	0	0.00	0	2.70	0	0.00	0	0.00	0	0.00	0	0.00	0	35.52	7	0.00	0	38.27	7	0.19
NC-4-4	14.30	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	116.17	23	0.00	0	130.47	25	0.19
NC-4	28.27	3	0.00	0	4.10	0	0.00	0	10.42	2	0.00	0	99.14	10	32.58	7	0.00	0	174.51	22	0.12
NC-5	8.23	1	0.00	0	0.01	0	0.00	0	0.00	0	0.00	0	0.00	0	28.57	6	0.00	0	36.82	7	0.18
NC-6	1.67	0	0.00	0	2.21	0	0.00	0	0.00	0	0.00	0	0.00	0	9.26	2	0.00	0	13.14	2	0.17
NC-7-1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	28.37	6	0.00	0	28.37	6	0.20
NC-7-2	0.04	0	0.00	0	41.56	4	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	41.60	4	0.10
NC-7-3	42.58	4	17.18	38	8.80	1	0.00	0	0.00	0	0.00	0	0.00	0	63.94	13	5.33	11	135.83	65	0.48
NC-7-4	0.85	0	25.44	53	0.09	0	0.00	0	0.00	0	0.00	0	0.00	0	6.51	1	1.15	2	34.03	57	1.68
NC-7-5	29.42	3	2.85	6	9.97	1	0.00	0	0.00	0	0.00	0	0.00	0	3.40	1	10.19	21	55.83	32	0.57
NC-7-6	20.09	2	0.00	0	9.95	1	0.00	0	0.00	0	0.00	0	0.00	0	3.39	1	5.33	11	38.78	15	0.38
NC-7-7	48.21	5	0.00	0	2.26	0	0.00	0	0.00	0	0.00	0	0.00	0	10.30	2	14.23	30	74.99	37	0.49
NC-7-8	24.53	2	0.00	0	1.12	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	2.02	4	27.68	7	0.25
NC-7	50.40	5	0.00	0	1.08	0	0.00	0	0.00	0	0.00	0	0.00	0	12.08	2	7.74	16	71.31	24	0.33
NC-8	1.31	0	0.00	0	5.02	1	0.00	0	0.00	0	0.00	0	0.00	0	14.22	3	0.00	0	20.55	3	0.17
NC-9	3.98	0	0.00	0	8.44	1	0.00	0	0.00	0	0.00	0	0.00	0	0.75	0	1.28	3	14.43	4	0.28
NC-10	6.01	1	0.00	0	5.23	1	0.00	0	0.00	0	0.00	0	0.00	0	30.87	6	0.00	0	42.11	7	0.17
NC-11-1	34.16	3	0.00	0	0.49	0	0.00	0	0.00	0	0.00	0	0.00	0	37.58	8	0.00	0	72.23	11	0.15
NC-11	33.98	3	0.00	0	4.50	0	0.00	0	0.00	0	0.00	0	0.00	0	7.01	1	0.00	0	46.47	5	0.12
NC-12-1	16.27	2	0.00	0	3.59	0	0.00	0	0.00	0	0.00	0	0.00	0	16.59	3	2.66	8	39.12	11	0.28
NC-12-2	36.60	4	0.00	0	15.53	2	0.00	0	0.00	0	0.00	0	0.00	0	25.21	5	0.00	0	77.34	10	0.13
NC-12-6	21.82	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.67	0	0.00	0	23.29	2	0.11
NC-12	7.13	1	5.16	11	8.00	1	0.00	0	0.01	0	0.00	0	0.00	0	39.41	8	4.18	9	83.89	29	0.45
NC-13-1	0.00	0	0.46	1	0.00	0	0.00	0	0.00	0	0.00	0	0.02	0	6.54	1	2.15	5	9.16	7	0.74
NC-13-2	68.77	7	5.88	12	69.29	7	0.00	0	3.72	1	0.00	0	0.00	0	9.70	2	15.70	33	173.05	62	0.36
NC-13-3	0.00	0	1.14	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	10.35	2	2.39	5	13.89	9	0.68
NC-13-4	0.82	0	3.42	7	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	7.38	1	3.39	7	15.00	16	1.06
NC-13-16	0.00	0	0.00	0	1.34	0	0.00	0	0.00	0	0.00	0	0.00	0	20.49	4	0.29	1	22.11	5	0.22
NC-13	23.11	2	0.02	0	13.79	1	0.00	0	12.79	3	0.00	0	10.23	1	53.72	11	7.29	15	120.95	33	0.28
NC-14-1	7.30	1	0.00	0	1.16	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	1.67	4	10.13	4	0.43
NC-14-2	63.83	6	3.21	7	18.42	2	0.77	8	0.00	0	0.00	0	0.00	0	15.53	3	7.86	17	109.62	40	0.37
NC-14-3	3.04	0	0.00	0	2.30	0	0.00	0	0.00	0	0.00	0	0.00	0	0.89	0	1.73	4	7.95	4	0.55
NC-14-4	26.80	3	2.26	5	2.87	0	0.00	0	0.00	0	0.00	0	0.00	0	11.95	2	4.30	9	48.19	19	0.40
NC-14-5	7.44	1	0.00	0	1.60	0	0.00	0	0.00	0	0.00	0	0.00	0	7.92	2	0.00	0	16.95	2	0.15
NC-14-6	39.28	4	0.98	2	22.35	2	7.16	52	0.00	0	0.00	0	0.00	0	13.34	3	3.66	8	86.76	71	0.82
NC-14-7	12.17	1	0.00	0	4.78	0	4.00	29	0.00	0	0.00	0	0.00	0	2.58	1	0.91	2	24.44	33	1.36
NC-14-8	5.20	1	0.00	0	2.33	0	1.78	13	0.00	0	0.00	0	0.00	0	0.33	0	1.57	3	11.20	17	1.53
NC-14-9	90.03	9	0.00	0	35.44	4	0.00	0	0.00	0	0.00	0	2.08	0	7.86	2	2.79	6	138.19	20	0.15
NC-14-10	23.14	2	0.38	1	35.24	4	0.00	0	0.00	0	0.00	0	0.00	0	1.95	0	2.23	5	82.94	12	0.19
NC-14	37.07	4	0.00	0	12.65	1	0.00	0	0.00	0	0.00	0	0.00	0	2.34	0	0.00	0	52.26	5	0.10
NC-15-1	4.86	0	0.00	0	7.22	1	0.00	0	0.00	0	0.00	0	0.00	0	27.89	6	2.58	5	42.56	12	0.29
NC-15-2	19.11	2	0.00	0	10.95	1	0.00	0	0.00	0	0.00	0	0.00	0	2.57	1	1.20	3	33.82	6	0.18
NC-15-3	2.50	0	0.00	0	0.03	0	0.00	0	0.00	0	0.00	0	0.00	0	2.12	0	1.83	4	6.49	5	0.70
NC-15	13.87	1	5.98	13	18.61	2	0.00	0	0.00	0	0.00	0	0.00	0	4.01	1	7.47	16	49.93	32	0.65
Total:	953.68	95	74.33	158	411.85	41	13.72	100	29.01	6	0.00	0	135.10	14	772.83	155	25.08	263	2,515.60	829	0.33

Franklin Watershed Water Quality Modeling																			City of Franklin SWMP Update-2002		
Pollutant Loadings (Lb./ac-yr)																			Zinc		
		0.10		2.10		0.10		7.30		0.20		7.30		0.10		0.20		2.10			
Basin Name	Agricultural Area (acres)	Pollutant Loads (Lb./yr)	Commerical Area(acres)	Pollutant Loads (Lb./yr)	Environmental Area(acres)	Pollutant Loads (Lb./yr)	Industrial Area (acres)	Pollutant Loads (Lb./yr)	Institutional Area (acres)	Pollutant Loads (Lb./yr)	MineDump Area (acres)	Pollutant Loads (Lb./yr)	Recreational Area (acres)	Pollutant Loads (Lb./yr)	Residential Area (acres)	Pollutant Loads (Lb./yr)	Transportation Area (acres)	Pollutant Loads (Lb./yr)	Grand Total Area (acres)	Total Pollutant Loads (Lb./yr)	Normalized Pollutant Loads (Lb./ac-yr)
OAKWOOD BRANCH																					
OB-1	29.68	3	0.00	0	9.51	1	0.00	0	0.00	0	0.00	0	0.02	0	0.03	0	0.00	0	39.24	4	0.10
OB-2	173.71	17	0.00	0	9.81	1	0.00	0	0.00	0	0.00	0	0.00	0	5.55	1	0.00	0	189.07	19	0.10
OB-3	83.58	8	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	12.96	3	0.00	0	96.53	11	0.11
OB-4	29.47	3	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	2.42	0	0.00	0	31.89	3	0.11
OB-5-1	18.50	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.69	0	0.00	0	17.19	2	0.10
OB-5	19.20	2	0.43	1	2.09	0	0.00	0	0.00	0	0.00	0	0.00	0	3.30	1	0.00	0	25.03	4	0.15
OB-6-1	246.03	25	0.27	1	16.48	2	0.00	0	0.00	0	0.00	0	0.00	0	29.17	8	0.00	0	291.94	33	0.11
OB-6-2	48.52	5	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	2.01	0	0.00	0	50.53	5	0.10
OB-6-3	25.45	3	0.00	0	2.76	0	0.00	0	0.00	0	0.00	0	0.00	0	0.41	0	0.00	0	28.62	3	0.10
OB-6-4	21.73	2	0.00	0	2.57	0	0.00	0	0.00	0	7.01	51	0.00	0	8.29	1	0.00	0	37.80	55	1.46
OB-6	3.24	0	0.00	0	2.30	0	0.00	0	0.00	0	0.00	0	0.00	0	1.12	0	0.00	0	6.66	1	0.12
OB-7	34.90	3	0.00	0	13.91	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	48.81	5	0.10
OB-8	25.04	3	0.00	0	10.66	1	0.00	0	0.00	0	0.00	0	0.00	0	4.08	1	0.00	0	40.00	4	0.11
OB-9	39.16	4	0.00	0	11.03	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	50.19	5	0.10
OB-10	15.18	2	0.00	0	11.44	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	26.62	3	0.10
OB-11	22.76	2	0.00	0	8.30	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	31.06	3	0.10
OB-12	55.73	6	0.00	0	5.55	1	0.00	0	0.00	0	0.00	0	0.00	0	2.08	0	0.00	0	63.36	7	0.10
OB-13-1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	118.34	864	0.00	0	3.20	1	0.00	0	121.53	865	7.11
OB-13-2	6.89	1	0.00	0	6.43	1	0.00	0	0.00	0	70.33	513	0.00	0	1.81	0	0.00	0	85.46	515	6.03
OB-13	170.41	17	0.00	0	3.95	0	0.00	0	0.00	0	0.17	1	0.00	0	2.56	1	0.00	0	177.09	19	0.11
Total:	1,067.19	107	0.70	1	117.01	12	0.00	0	0.00	0	195.65	1430	0.02	0	77.66	18	0.00	0	1,458.43	1565	1.07
UPPER OAK CREEK																					
OC-1	47.43	5	0.48	1	22.66	2	0.00	0	4.58	1	0.00	0	0.00	0	30.25	6	0.00	0	105.38	15	0.14
OC-2-2	0.00	0	12.19	26	0.00	0	0.00	0	17.55	4	0.00	0	0.00	0	162.39	32	3.24	7	195.37	68	0.35
OC-2	2.62	0	8.49	18	5.85	1	3.36	25	0.44	0	0.00	0	0.00	0	13.30	3	2.18	5	36.22	51	1.39
OC-3	21.88	2	0.00	0	2.01	0	0.00	0	0.00	0	0.00	0	0.00	0	1.67	0	0.00	0	25.56	3	0.11
OC-4-1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	10.47	2	0.62	1	11.09	3	0.31
OC-4	1.73	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.07	0	15.56	3	0.95	2	18.31	5	0.29
OC-5	0.00	0	0.00	0	0.00	0	0.00	0	4.81	1	0.00	0	2.53	0	8.48	1	1.22	3	15.04	5	0.34
OC-6-1	21.36	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.65	0	0.60	0	3.47	7	25.98	10	0.37
OC-6	1.70	0	0.00	0	0.10	0	0.00	0	0.00	0	0.00	0	27.21	3	14.04	3	1.35	3	44.40	9	0.19
OC-7	15.39	2	0.00	0	0.00	0	0.00	0	1.62	0	0.00	0	0.00	0	31.66	6	9.31	20	57.88	28	0.48
OC-8	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	64.92	13	2.95	6	87.87	19	0.28
OC-9	14.53	1	0.00	0	4.66	0	0.00	0	3.35	1	0.00	0	0.00	0	131.12	26	0.07	0	153.73	29	0.19
OC-10	0.00	0	0.00	0	0.00	0	0.00	0	0.53	0	0.00	0	0.00	0	76.14	15	0.00	0	76.68	15	0.20
OC-11-1A	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	35.25	7	0.00	0	35.25	7	0.20
OC-11-1B	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	35.25	7	0.00	0	35.25	7	0.20
OC-11-2	0.01	0	0.00	0	8.15	1	0.00	0	0.00	0	0.00	0	0.00	0	52.02	10	0.00	0	58.18	11	0.19
OC-11-3	3.55	0	0.00	0	0.35	0	0.00	0	0.00	0	0.00	0	0.00	0	5.72	1	0.00	0	9.62	2	0.16
OC-11	30.29	3	0.00	0	25.27	3	0.00	0	0.00	0	0.00	0	0.00	0	42.73	9	0.00	0	98.29	14	0.14
OC-12-1	7.40	1	0.00	0	2.68	0	0.00	0	0.00	0	0.00	0	3.00	0	87.97	18	0.00	0	101.06	19	0.19
OC-12-2	0.05	0	0.00	0	0.87	0	0.00	0	0.00	0	0.00	0	0.00	0	18.59	4	0.00	0	19.51	4	0.20
OC-12	0.00	0	0.00	0	6.35	1	0.00	0	0.00	0	0.00	0	0.67	0	17.18	3	0.00	0	24.20	4	0.17
OC-13-1	17.39	2	1.27	3	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	7.76	2	0.00	0	26.42	6	0.23
OC-13-2	18.66	2	0.00	0	2.54	0	0.00	0	0.00	0	0.00	0	0.00	0	6.08	1	0.00	0	27.29	3	0.12
OC-13-3	8.15	1	0.00	0	7.85	1	0.00	0	0.00	0	0.00	0	0.00	0	23.13	5	0.00	0	39.13	6	0.18
OC-13-4	6.21	1	0.00	0	6.33	1	0.00	0	0.00	0	0.00	0	0.00	0	22.85	5	0.00	0	35.38	6	0.16
OC-13	17.28	2	10.38	22	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	24.22	5	0.00	0	51.88	28	0.55
OC-14	4.59	0	7.28	15	0.00	0	3.78	27	0.00	0	0.00	0	0.00	0	28.29	6	0.00	0	43.90	49	1.11
OC-15	74.32	7	0.00	0	0.83	0	0.00	0	0.00	0	0.00	0	0.00	0	1.01	0	0.00	0	76.15	8	0.10
OC-16	12.50	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	4.36	1	0.00	0	16.86	2	0.13
Total:	327.05	33	40.08	34	94.47	9	7.13	52	32.76	7	0.00	0	34.04	3	971.01	194	25.33	53	1,531.87	436	0.28