

Appendix: Event Mean Concentration Calculation Results by Subwatershed

Appendix C. Event Mean Concentration: Mean Annual Nitrogen, Total Suspended Solids and E. coli Loading In Pounds Per Year by Subwatershed

Table C 1. Nitrogen Loads by Existing Land Use

Nitrogen Loads by Existing Land Use							
Sub-ID	Residential	Commercial	Industrial	Transportation	Rangeland	Undeveloped	Mean annual load
1	151.26 lb/yr	0.00 lb/yr	0.00 lb/yr	47.96 lb/yr	58.59 lb/yr	613.34 lb/yr	871.15 lb/yr
2	102.12 lb/yr	3.91 lb/yr	1.29 lb/yr	58.65 lb/yr	23.84 lb/yr	659.25 lb/yr	849.06 lb/yr
3	28.55 lb/yr	0.00 lb/yr	0.00 lb/yr	25.54 lb/yr	19.14 lb/yr	595.69 lb/yr	668.91 lb/yr
4	3.75 lb/yr	0.00 lb/yr	0.00 lb/yr	9.30 lb/yr	40.91 lb/yr	915.10 lb/yr	969.06 lb/yr
5	28.96 lb/yr	0.00 lb/yr	0.00 lb/yr	9.02 lb/yr	28.70 lb/yr	664.71 lb/yr	731.39 lb/yr
6	0.00 lb/yr	0.00 lb/yr	0.00 lb/yr	0.00 lb/yr	0.16 lb/yr	24.98 lb/yr	25.14 lb/yr
7	5.67 lb/yr	0.37 lb/yr	0.00 lb/yr	3.26 lb/yr	4.76 lb/yr	342.99 lb/yr	357.06 lb/yr
8	19.30 lb/yr	0.00 lb/yr	0.00 lb/yr	10.72 lb/yr	35.60 lb/yr	870.75 lb/yr	936.38 lb/yr
9	8.02 lb/yr	13.02 lb/yr	0.00 lb/yr	11.04 lb/yr	100.02 lb/yr	855.54 lb/yr	987.63 lb/yr
10	25.28 lb/yr	0.00 lb/yr	0.00 lb/yr	21.75 lb/yr	14.15 lb/yr	465.84 lb/yr	527.02 lb/yr
11	1.46 lb/yr	0.00 lb/yr	0.00 lb/yr	51.82 lb/yr	91.46 lb/yr	703.90 lb/yr	848.64 lb/yr
12	87.24 lb/yr	0.00 lb/yr	0.10 lb/yr	75.39 lb/yr	31.91 lb/yr	311.59 lb/yr	506.23 lb/yr
13	75.84 lb/yr	0.00 lb/yr	0.00 lb/yr	46.82 lb/yr	40.81 lb/yr	695.46 lb/yr	858.93 lb/yr
14	4.73 lb/yr	0.00 lb/yr	0.00 lb/yr	4.46 lb/yr	26.79 lb/yr	829.67 lb/yr	865.64 lb/yr
15	41.71 lb/yr	0.00 lb/yr	0.46 lb/yr	64.47 lb/yr	5.22 lb/yr	313.50 lb/yr	425.36 lb/yr
16	2.02 lb/yr	0.00 lb/yr	0.00 lb/yr	16.58 lb/yr	17.90 lb/yr	656.83 lb/yr	693.34 lb/yr
17	3.33 lb/yr	0.00 lb/yr	0.00 lb/yr	9.18 lb/yr	50.68 lb/yr	413.24 lb/yr	476.43 lb/yr
18	0.00 lb/yr	0.00 lb/yr	0.00 lb/yr	12.54 lb/yr	48.52 lb/yr	711.42 lb/yr	772.48 lb/yr
19	4.99 lb/yr	0.00 lb/yr	0.00 lb/yr	0.00 lb/yr	32.10 lb/yr	126.19 lb/yr	163.28 lb/yr
20	105.61 lb/yr	0.00 lb/yr	0.00 lb/yr	30.72 lb/yr	18.72 lb/yr	592.67 lb/yr	747.72 lb/yr
21	104.98 lb/yr	0.00 lb/yr	0.16 lb/yr	31.04 lb/yr	15.70 lb/yr	609.88 lb/yr	761.75 lb/yr
22	0.00 lb/yr	0.00 lb/yr	0.00 lb/yr	2.05 lb/yr	8.63 lb/yr	400.22 lb/yr	410.89 lb/yr
23	0.00 lb/yr	0.00 lb/yr	0.00 lb/yr	0.00 lb/yr	0.80 lb/yr	1.28 lb/yr	2.08 lb/yr
24	1.86 lb/yr	0.00 lb/yr	0.00 lb/yr	29.11 lb/yr	25.23 lb/yr	1086.66 lb/yr	1142.87 lb/yr

25	0.27 lb/yr	0.00 lb/yr	0.00 lb/yr	6.43 lb/yr	11.69 lb/yr	283.59 lb/yr	301.98 lb/yr
26	10.05 lb/yr	0.00 lb/yr	0.00 lb/yr	4.04 lb/yr	46.31 lb/yr	684.37 lb/yr	744.77 lb/yr
27	77.21 lb/yr	0.00 lb/yr	0.00 lb/yr	51.02 lb/yr	146.53 lb/yr	2148.76 lb/yr	2423.53 lb/yr
28	4.20 lb/yr	0.00 lb/yr	0.00 lb/yr	20.61 lb/yr	120.81 lb/yr	894.73 lb/yr	1040.35 lb/yr
29	12.78 lb/yr	0.00 lb/yr	0.00 lb/yr	38.21 lb/yr	194.45 lb/yr	1577.91 lb/yr	1823.35 lb/yr
30	0.10 lb/yr	0.00 lb/yr	0.00 lb/yr	2.39 lb/yr	4.44 lb/yr	53.09 lb/yr	60.02 lb/yr
31	0.65 lb/yr	0.00 lb/yr	0.00 lb/yr	0.30 lb/yr	22.33 lb/yr	632.14 lb/yr	655.43 lb/yr
32	0.13 lb/yr	0.00 lb/yr	0.00 lb/yr	7.26 lb/yr	29.63 lb/yr	1103.64 lb/yr	1140.66 lb/yr
33	1.83 lb/yr	0.00 lb/yr	0.00 lb/yr	8.54 lb/yr	27.96 lb/yr	589.65 lb/yr	627.98 lb/yr
34	0.00 lb/yr	0.00 lb/yr	0.00 lb/yr	0.10 lb/yr	1.10 lb/yr	5.92 lb/yr	7.12 lb/yr
35	13.41 lb/yr	0.00 lb/yr	0.00 lb/yr	20.97 lb/yr	75.50 lb/yr	490.34 lb/yr	600.21 lb/yr
36	0.00 lb/yr	0.00 lb/yr	0.00 lb/yr	13.65 lb/yr	39.50 lb/yr	949.94 lb/yr	1003.09 lb/yr
37	3.94 lb/yr	0.00 lb/yr	0.00 lb/yr	24.24 lb/yr	29.07 lb/yr	424.69 lb/yr	481.95 lb/yr
38	20.17 lb/yr	0.00 lb/yr	0.00 lb/yr	16.17 lb/yr	2.48 lb/yr	113.24 lb/yr	152.06 lb/yr
39	37.59 lb/yr	0.00 lb/yr	0.31 lb/yr	25.82 lb/yr	3.97 lb/yr	128.85 lb/yr	196.54 lb/yr
40	25.44 lb/yr	0.13 lb/yr	0.25 lb/yr	40.63 lb/yr	12.04 lb/yr	153.63 lb/yr	232.13 lb/yr
41	75.30 lb/yr	16.25 lb/yr	2.73 lb/yr	90.79 lb/yr	33.67 lb/yr	505.21 lb/yr	723.95 lb/yr
42	194.70 lb/yr	2.84 lb/yr	0.00 lb/yr	103.25 lb/yr	71.94 lb/yr	634.10 lb/yr	1006.83 lb/yr
43	6.01 lb/yr	0.00 lb/yr	0.00 lb/yr	29.83 lb/yr	48.85 lb/yr	709.88 lb/yr	794.57 lb/yr
44	253.28 lb/yr	74.91 lb/yr	0.00 lb/yr	98.08 lb/yr	30.34 lb/yr	555.58 lb/yr	1012.20 lb/yr
45	793.48 lb/yr	32.61 lb/yr	10.13 lb/yr	258.50 lb/yr	33.83 lb/yr	1121.88 lb/yr	2250.43 lb/yr
46	141.81 lb/yr	138.49 lb/yr	6.10 lb/yr	69.93 lb/yr	82.68 lb/yr	1019.13 lb/yr	1458.14 lb/yr

Table C 2. Nitrogen Loading by Future Land Use

Nitrogen Loading by Future Land Use							
Sub-ID	Residential	Commercial	Industrial	Transportation	Rangeland	Undeveloped	Mean annual load

1	801.60 lb/yr	31.83 lb/yr	0.00 lb/yr	53.02 lb/yr	1.98 lb/yr	249.28 lb/yr	1137.72 lb/yr
2	602.51 lb/yr	74.31 lb/yr	1.81 lb/yr	82.15 lb/yr	0.68 lb/yr	537.57 lb/yr	1299.02 lb/yr
3	88.04 lb/yr	24.57 lb/yr	0.00 lb/yr	26.73 lb/yr	14.69 lb/yr	559.61 lb/yr	713.64 lb/yr
4	225.85 lb/yr	12.28 lb/yr	0.00 lb/yr	9.69 lb/yr	77.49 lb/yr	681.27 lb/yr	1006.58 lb/yr
5	180.81 lb/yr	16.51 lb/yr	0.00 lb/yr	9.12 lb/yr	29.99 lb/yr	526.42 lb/yr	762.84 lb/yr
6	2.70 lb/yr	0.00 lb/yr	0.00 lb/yr	0.00 lb/yr	0.42 lb/yr	22.19 lb/yr	25.32 lb/yr
7	65.53 lb/yr	2.83 lb/yr	0.00 lb/yr	3.26 lb/yr	1.12 lb/yr	298.59 lb/yr	371.34 lb/yr
8	103.54 lb/yr	23.71 lb/yr	0.00 lb/yr	10.77 lb/yr	30.19 lb/yr	790.21 lb/yr	958.42 lb/yr
9	379.43 lb/yr	29.24 lb/yr	0.00 lb/yr	11.35 lb/yr	42.79 lb/yr	684.32 lb/yr	1147.13 lb/yr
10	260.84 lb/yr	18.92 lb/yr	0.00 lb/yr	27.98 lb/yr	4.51 lb/yr	419.45 lb/yr	731.70 lb/yr
11	177.24 lb/yr	128.69 lb/yr	0.00 lb/yr	52.67 lb/yr	63.47 lb/yr	489.84 lb/yr	911.91 lb/yr
12	450.61 lb/yr	31.11 lb/yr	0.14 lb/yr	104.76 lb/yr	13.68 lb/yr	192.38 lb/yr	792.67 lb/yr
13	455.34 lb/yr	74.13 lb/yr	0.00 lb/yr	47.70 lb/yr	14.14 lb/yr	371.35 lb/yr	962.66 lb/yr
14	65.63 lb/yr	4.84 lb/yr	0.00 lb/yr	4.55 lb/yr	24.90 lb/yr	795.91 lb/yr	895.83 lb/yr
15	361.82 lb/yr	38.65 lb/yr	0.48 lb/yr	96.51 lb/yr	0.55 lb/yr	195.14 lb/yr	693.15 lb/yr
16	176.32 lb/yr	26.53 lb/yr	0.00 lb/yr	16.76 lb/yr	13.78 lb/yr	499.74 lb/yr	733.13 lb/yr
17	258.58 lb/yr	2.63 lb/yr	0.00 lb/yr	12.21 lb/yr	32.19 lb/yr	412.59 lb/yr	718.19 lb/yr
18	328.74 lb/yr	10.20 lb/yr	0.00 lb/yr	12.76 lb/yr	34.14 lb/yr	474.16 lb/yr	860.00 lb/yr
19	66.33 lb/yr	0.00 lb/yr	0.00 lb/yr	0.00 lb/yr	16.89 lb/yr	128.83 lb/yr	212.05 lb/yr
20	298.44 lb/yr	22.92 lb/yr	0.00 lb/yr	31.27 lb/yr	10.48 lb/yr	438.46 lb/yr	801.57 lb/yr
21	369.99 lb/yr	25.04 lb/yr	0.16 lb/yr	31.90 lb/yr	4.84 lb/yr	406.87 lb/yr	838.81 lb/yr
22	33.84 lb/yr	4.12 lb/yr	0.00 lb/yr	2.24 lb/yr	43.33 lb/yr	331.62 lb/yr	415.15 lb/yr
23	0.00 lb/yr	0.00 lb/yr	0.00 lb/yr	0.00 lb/yr	1.27 lb/yr	0.27 lb/yr	1.53 lb/yr
24	65.19 lb/yr	44.34 lb/yr	0.00 lb/yr	29.14 lb/yr	22.06 lb/yr	991.48 lb/yr	1152.21 lb/yr
25	82.30 lb/yr	7.11 lb/yr	0.00 lb/yr	7.75 lb/yr	29.34 lb/yr	232.84 lb/yr	359.35 lb/yr
26	541.90 lb/yr	1.57 lb/yr	0.00 lb/yr	4.24 lb/yr	47.28 lb/yr	279.75 lb/yr	874.74 lb/yr

27	672.85 lb/yr	43.09 lb/yr	0.00 lb/yr	52.49 lb/yr	124.22 lb/yr	1729.46 lb/yr	2622.10 lb/yr
28	149.70 lb/yr	18.38 lb/yr	0.00 lb/yr	21.79 lb/yr	122.11 lb/yr	811.93 lb/yr	1123.91 lb/yr
29	192.10 lb/yr	38.40 lb/yr	0.00 lb/yr	38.39 lb/yr	203.73 lb/yr	1375.22 lb/yr	1847.84 lb/yr
30	19.48 lb/yr	4.35 lb/yr	0.00 lb/yr	2.43 lb/yr	2.13 lb/yr	38.08 lb/yr	66.47 lb/yr
31	0.65 lb/yr	0.00 lb/yr	0.00 lb/yr	0.35 lb/yr	24.36 lb/yr	627.76 lb/yr	653.12 lb/yr
32	145.91 lb/yr	1.68 lb/yr	0.00 lb/yr	7.60 lb/yr	23.43 lb/yr	1048.89 lb/yr	1227.51 lb/yr
33	168.01 lb/yr	1.79 lb/yr	0.00 lb/yr	9.20 lb/yr	45.61 lb/yr	462.85 lb/yr	687.46 lb/yr
34	7.73 lb/yr	0.00 lb/yr	0.00 lb/yr	0.10 lb/yr	0.00 lb/yr	2.47 lb/yr	10.30 lb/yr
35	238.58 lb/yr	35.29 lb/yr	0.00 lb/yr	21.29 lb/yr	65.74 lb/yr	296.33 lb/yr	657.23 lb/yr
36	767.15 lb/yr	0.00 lb/yr	0.00 lb/yr	14.21 lb/yr	13.76 lb/yr	415.17 lb/yr	1210.29 lb/yr
37	227.79 lb/yr	11.69 lb/yr	0.00 lb/yr	24.56 lb/yr	15.00 lb/yr	263.67 lb/yr	542.70 lb/yr
38	80.89 lb/yr	11.80 lb/yr	0.00 lb/yr	20.98 lb/yr	2.33 lb/yr	90.54 lb/yr	206.55 lb/yr
39	128.21 lb/yr	24.54 lb/yr	0.42 lb/yr	34.87 lb/yr	2.85 lb/yr	88.04 lb/yr	278.94 lb/yr
40	165.87 lb/yr	54.16 lb/yr	0.37 lb/yr	60.55 lb/yr	5.97 lb/yr	88.79 lb/yr	375.72 lb/yr
41	443.62 lb/yr	93.04 lb/yr	2.14 lb/yr	121.79 lb/yr	9.84 lb/yr	393.11 lb/yr	1063.56 lb/yr
42	308.86 lb/yr	68.09 lb/yr	0.00 lb/yr	105.14 lb/yr	43.26 lb/yr	545.87 lb/yr	1071.22 lb/yr
43	209.48 lb/yr	112.22 lb/yr	0.00 lb/yr	31.21 lb/yr	26.57 lb/yr	500.67 lb/yr	880.15 lb/yr
44	636.90 lb/yr	279.87 lb/yr	0.00 lb/yr	130.21 lb/yr	6.23 lb/yr	360.75 lb/yr	1413.96 lb/yr
45	1295.19 lb/yr	311.73 lb/yr	9.88 lb/yr	282.07 lb/yr	4.08 lb/yr	631.52 lb/yr	2534.47 lb/yr
46	751.53 lb/yr	201.72 lb/yr	4.02 lb/yr	70.86 lb/yr	18.20 lb/yr	602.63 lb/yr	1648.97 lb/yr

Table C 3. TSS Loads by Existing Land Use

TSS Loads by Existing Land Use							
Sub-ID	Residential	Commercial	Industrial	Transportation	Rangeland	Undeveloped	Mean annual load
1	3407.58 lb/yr	0.00 lb/yr	0.00 lb/yr	1895.21 lb/yr	83.70 lb/yr	28622.46 lb/yr	34008.94 lb/yr
2	2300.47 lb/yr	162.06 lb/yr	62.02 lb/yr	2317.52 lb/yr	34.05 lb/yr	30765.23 lb/yr	35641.37 lb/yr

3	643.22 lb/yr	0.00 lb/yr	0.00 lb/yr	1009.11 lb/yr	27.34 lb/yr	27798.75 lb/yr	29478.43 lb/yr
4	84.42 lb/yr	0.00 lb/yr	0.00 lb/yr	367.64 lb/yr	58.44 lb/yr	42704.78 lb/yr	43215.29 lb/yr
5	652.31 lb/yr	0.00 lb/yr	0.00 lb/yr	356.41 lb/yr	41.00 lb/yr	31019.79 lb/yr	32069.51 lb/yr
6	0.00 lb/yr	0.00 lb/yr	0.00 lb/yr	0.00 lb/yr	0.22 lb/yr	1165.87 lb/yr	1166.10 lb/yr
7	127.78 lb/yr	15.32 lb/yr	0.00 lb/yr	128.96 lb/yr	6.80 lb/yr	16006.35 lb/yr	16285.20 lb/yr
8	434.87 lb/yr	0.00 lb/yr	0.00 lb/yr	423.76 lb/yr	50.86 lb/yr	40635.13 lb/yr	41544.62 lb/yr
9	180.60 lb/yr	539.21 lb/yr	0.00 lb/yr	436.25 lb/yr	142.89 lb/yr	39925.13 lb/yr	41224.08 lb/yr
10	569.50 lb/yr	0.00 lb/yr	0.00 lb/yr	859.38 lb/yr	20.21 lb/yr	21739.36 lb/yr	23188.45 lb/yr
11	32.96 lb/yr	0.00 lb/yr	0.00 lb/yr	2047.60 lb/yr	130.66 lb/yr	32848.68 lb/yr	35059.90 lb/yr
12	1965.25 lb/yr	0.00 lb/yr	4.69 lb/yr	2979.19 lb/yr	45.59 lb/yr	14540.97 lb/yr	19535.69 lb/yr
13	1708.56 lb/yr	0.00 lb/yr	0.00 lb/yr	1850.11 lb/yr	58.30 lb/yr	32454.82 lb/yr	36071.79 lb/yr
14	106.51 lb/yr	0.00 lb/yr	0.00 lb/yr	176.25 lb/yr	38.27 lb/yr	38717.77 lb/yr	39038.80 lb/yr
15	939.51 lb/yr	0.00 lb/yr	22.01 lb/yr	2547.60 lb/yr	7.46 lb/yr	14630.23 lb/yr	18146.82 lb/yr
16	45.48 lb/yr	0.00 lb/yr	0.00 lb/yr	655.31 lb/yr	25.58 lb/yr	30652.09 lb/yr	31378.46 lb/yr
17	74.97 lb/yr	0.00 lb/yr	0.00 lb/yr	362.75 lb/yr	72.40 lb/yr	19284.42 lb/yr	19794.55 lb/yr
18	0.00 lb/yr	0.00 lb/yr	0.00 lb/yr	495.56 lb/yr	69.32 lb/yr	33199.56 lb/yr	33764.44 lb/yr
19	112.38 lb/yr	0.00 lb/yr	0.00 lb/yr	0.00 lb/yr	45.86 lb/yr	5888.72 lb/yr	6046.97 lb/yr
20	2379.04 lb/yr	0.00 lb/yr	0.00 lb/yr	1214.00 lb/yr	26.74 lb/yr	27658.03 lb/yr	31277.81 lb/yr
21	2364.83 lb/yr	0.00 lb/yr	7.59 lb/yr	1226.61 lb/yr	22.42 lb/yr	28461.16 lb/yr	32082.61 lb/yr
22	0.00 lb/yr	0.00 lb/yr	0.00 lb/yr	80.95 lb/yr	12.32 lb/yr	18676.88 lb/yr	18770.15 lb/yr
23	0.00 lb/yr	0.00 lb/yr	0.00 lb/yr	0.00 lb/yr	1.14 lb/yr	59.67 lb/yr	60.80 lb/yr
24	41.90 lb/yr	0.00 lb/yr	0.00 lb/yr	1150.48 lb/yr	36.05 lb/yr	50710.67 lb/yr	51939.10 lb/yr
25	5.97 lb/yr	0.00 lb/yr	0.00 lb/yr	254.21 lb/yr	16.70 lb/yr	13234.31 lb/yr	13511.19 lb/yr
26	226.29 lb/yr	0.00 lb/yr	0.00 lb/yr	159.82 lb/yr	66.15 lb/yr	31937.35 lb/yr	32389.62 lb/yr
27	1739.40 lb/yr	0.00 lb/yr	0.00 lb/yr	2016.22 lb/yr	209.33 lb/yr	100275.41 lb/yr	104240.37 lb/yr
28	94.70 lb/yr	0.00 lb/yr	0.00 lb/yr	814.47 lb/yr	172.58 lb/yr	41753.84 lb/yr	42835.60 lb/yr

29	287.87 lb/yr	0.00 lb/yr	0.00 lb/yr	1510.07 lb/yr	277.78 lb/yr	73635.68 lb/yr	75711.41 lb/yr
30	2.18 lb/yr	0.00 lb/yr	0.00 lb/yr	94.54 lb/yr	6.35 lb/yr	2477.52 lb/yr	2580.59 lb/yr
31	14.72 lb/yr	0.00 lb/yr	0.00 lb/yr	12.04 lb/yr	31.90 lb/yr	29500.04 lb/yr	29558.70 lb/yr
32	2.85 lb/yr	0.00 lb/yr	0.00 lb/yr	286.89 lb/yr	42.33 lb/yr	51503.14 lb/yr	51835.22 lb/yr
33	41.26 lb/yr	0.00 lb/yr	0.00 lb/yr	337.52 lb/yr	39.94 lb/yr	27517.06 lb/yr	27935.78 lb/yr
34	0.00 lb/yr	0.00 lb/yr	0.00 lb/yr	3.83 lb/yr	1.57 lb/yr	276.29 lb/yr	281.69 lb/yr
35	302.09 lb/yr	0.00 lb/yr	0.00 lb/yr	828.50 lb/yr	107.86 lb/yr	22882.51 lb/yr	24120.95 lb/yr
36	0.00 lb/yr	0.00 lb/yr	0.00 lb/yr	539.39 lb/yr	56.43 lb/yr	44330.39 lb/yr	44926.21 lb/yr
37	88.86 lb/yr	0.00 lb/yr	0.00 lb/yr	957.88 lb/yr	41.52 lb/yr	19819.10 lb/yr	20907.36 lb/yr
38	454.37 lb/yr	0.00 lb/yr	0.00 lb/yr	638.90 lb/yr	3.55 lb/yr	5284.66 lb/yr	6381.47 lb/yr
39	846.89 lb/yr	0.00 lb/yr	14.89 lb/yr	1020.47 lb/yr	5.67 lb/yr	6012.92 lb/yr	7900.84 lb/yr
40	573.11 lb/yr	5.55 lb/yr	12.16 lb/yr	1605.37 lb/yr	17.21 lb/yr	7169.46 lb/yr	9382.85 lb/yr
41	1696.29 lb/yr	673.02 lb/yr	131.07 lb/yr	3587.72 lb/yr	48.10 lb/yr	23576.60 lb/yr	29712.80 lb/yr
42	4386.05 lb/yr	117.62 lb/yr	0.00 lb/yr	4080.09 lb/yr	102.77 lb/yr	29591.37 lb/yr	38277.90 lb/yr
43	135.42 lb/yr	0.00 lb/yr	0.00 lb/yr	1178.71 lb/yr	69.79 lb/yr	33127.54 lb/yr	34511.46 lb/yr
44	5705.83 lb/yr	3102.75 lb/yr	0.00 lb/yr	3875.85 lb/yr	43.34 lb/yr	25926.87 lb/yr	38654.64 lb/yr
45	17874.99 lb/yr	1350.84 lb/yr	486.23 lb/yr	10215.00 lb/yr	48.33 lb/yr	52354.17 lb/yr	82329.56 lb/yr
46	3194.70 lb/yr	5736.17 lb/yr	292.67 lb/yr	2763.37 lb/yr	118.11 lb/yr	47559.40 lb/yr	59664.42 lb/yr

Table C 4. TSS Loads by Future Land Use

TSS Loads by Future Land Use							
Sub-ID	Residential	Commercial	Industrial	Transportation	Rangeland	Undeveloped	Mean Annual Load
1	18058.06 lb/yr	1318.31 lb/yr	0.00 lb/yr	2095.27 lb/yr	2.83 lb/yr	11633.22 lb/yr	33107.69 lb/yr
2	13572.95 lb/yr	3077.61 lb/yr	86.86 lb/yr	3246.05 lb/yr	0.98 lb/yr	25086.74 lb/yr	45071.19 lb/yr
3	1983.35 lb/yr	1017.52 lb/yr	0.00 lb/yr	1056.37 lb/yr	20.98 lb/yr	26115.15 lb/yr	30193.37 lb/yr
4	5087.77 lb/yr	508.72 lb/yr	0.00 lb/yr	382.76 lb/yr	110.71 lb/yr	31792.58 lb/yr	37882.53 lb/yr

5	4073.09 lb/yr	683.96 lb/yr	0.00 lb/yr	360.26 lb/yr	42.84 lb/yr	24566.21 lb/yr	29726.35 lb/yr
6	60.90 lb/yr	0.00 lb/yr	0.00 lb/yr	0.00 lb/yr	0.60 lb/yr	1035.74 lb/yr	1097.23 lb/yr
7	1476.26 lb/yr	117.25 lb/yr	0.00 lb/yr	128.92 lb/yr	1.60 lb/yr	13934.30 lb/yr	15658.33 lb/yr
8	2332.52 lb/yr	982.17 lb/yr	0.00 lb/yr	425.45 lb/yr	43.12 lb/yr	36876.53 lb/yr	40659.80 lb/yr
9	8547.70 lb/yr	1211.19 lb/yr	0.00 lb/yr	448.41 lb/yr	61.13 lb/yr	31934.90 lb/yr	42203.32 lb/yr
10	5876.00 lb/yr	783.52 lb/yr	0.00 lb/yr	1105.86 lb/yr	6.45 lb/yr	19574.17 lb/yr	27346.00 lb/yr
11	3992.74 lb/yr	5329.92 lb/yr	0.00 lb/yr	2081.41 lb/yr	90.67 lb/yr	22859.19 lb/yr	34353.94 lb/yr
12	10151.17 lb/yr	1288.42 lb/yr	6.52 lb/yr	4139.59 lb/yr	19.54 lb/yr	8977.62 lb/yr	24582.87 lb/yr
13	10257.58 lb/yr	3070.20 lb/yr	0.00 lb/yr	1885.10 lb/yr	20.20 lb/yr	17329.90 lb/yr	32562.98 lb/yr
14	1478.39 lb/yr	200.61 lb/yr	0.00 lb/yr	179.78 lb/yr	35.58 lb/yr	37142.50 lb/yr	39036.85 lb/yr
15	8150.89 lb/yr	1600.89 lb/yr	22.86 lb/yr	3813.83 lb/yr	0.78 lb/yr	9106.43 lb/yr	22695.68 lb/yr
16	3971.96 lb/yr	1098.73 lb/yr	0.00 lb/yr	662.29 lb/yr	19.69 lb/yr	23321.16 lb/yr	29073.83 lb/yr
17	5825.15 lb/yr	108.87 lb/yr	0.00 lb/yr	482.41 lb/yr	45.98 lb/yr	19253.99 lb/yr	25716.39 lb/yr
18	7405.74 lb/yr	422.45 lb/yr	0.00 lb/yr	504.23 lb/yr	48.77 lb/yr	22127.60 lb/yr	30508.80 lb/yr
19	1494.16 lb/yr	0.00 lb/yr	0.00 lb/yr	0.00 lb/yr	24.13 lb/yr	6012.22 lb/yr	7530.52 lb/yr
20	6723.16 lb/yr	949.43 lb/yr	0.00 lb/yr	1235.48 lb/yr	14.98 lb/yr	20461.24 lb/yr	29384.29 lb/yr
21	8334.97 lb/yr	1036.94 lb/yr	7.79 lb/yr	1260.53 lb/yr	6.92 lb/yr	18987.42 lb/yr	29634.57 lb/yr
22	762.32 lb/yr	170.73 lb/yr	0.00 lb/yr	88.35 lb/yr	61.90 lb/yr	15475.82 lb/yr	16559.12 lb/yr
23	0.00 lb/yr	0.00 lb/yr	0.00 lb/yr	0.00 lb/yr	1.81 lb/yr	12.40 lb/yr	14.21 lb/yr
24	1468.62 lb/yr	1836.38 lb/yr	0.00 lb/yr	1151.44 lb/yr	31.52 lb/yr	46269.14 lb/yr	50757.09 lb/yr
25	1854.08 lb/yr	294.64 lb/yr	0.00 lb/yr	306.42 lb/yr	41.92 lb/yr	10865.63 lb/yr	13362.68 lb/yr
26	12207.72 lb/yr	64.84 lb/yr	0.00 lb/yr	167.40 lb/yr	67.54 lb/yr	13055.18 lb/yr	25562.68 lb/yr
27	15157.58 lb/yr	1784.73 lb/yr	0.00 lb/yr	2074.10 lb/yr	177.45 lb/yr	80708.15 lb/yr	99902.01 lb/yr
28	3372.37 lb/yr	761.35 lb/yr	0.00 lb/yr	860.97 lb/yr	174.44 lb/yr	37889.94 lb/yr	43059.07 lb/yr
29	4327.53 lb/yr	1590.65 lb/yr	0.00 lb/yr	1517.00 lb/yr	291.04 lb/yr	64177.04 lb/yr	71903.27 lb/yr
30	438.85 lb/yr	180.00 lb/yr	0.00 lb/yr	95.86 lb/yr	3.05 lb/yr	1777.12 lb/yr	2494.88 lb/yr

31	14.72 lb/yr	0.00 lb/yr	0.00 lb/yr	13.68 lb/yr	34.80 lb/yr	29295.51 lb/yr	29358.70 lb/yr
32	3286.88 lb/yr	69.66 lb/yr	0.00 lb/yr	300.16 lb/yr	33.47 lb/yr	48948.41 lb/yr	52638.58 lb/yr
33	3784.88 lb/yr	74.26 lb/yr	0.00 lb/yr	363.44 lb/yr	65.16 lb/yr	21599.46 lb/yr	25887.20 lb/yr
34	174.06 lb/yr	0.00 lb/yr	0.00 lb/yr	4.09 lb/yr	0.00 lb/yr	115.49 lb/yr	293.64 lb/yr
35	5374.54 lb/yr	1461.76 lb/yr	0.00 lb/yr	841.19 lb/yr	93.91 lb/yr	13828.85 lb/yr	21600.25 lb/yr
36	17282.02 lb/yr	0.00 lb/yr	0.00 lb/yr	561.46 lb/yr	19.65 lb/yr	19374.68 lb/yr	37237.82 lb/yr
37	5131.43 lb/yr	484.03 lb/yr	0.00 lb/yr	970.38 lb/yr	21.43 lb/yr	12304.38 lb/yr	18911.64 lb/yr
38	1822.36 lb/yr	488.62 lb/yr	0.00 lb/yr	829.06 lb/yr	3.33 lb/yr	4225.40 lb/yr	7368.77 lb/yr
39	2888.30 lb/yr	1016.47 lb/yr	20.11 lb/yr	1377.96 lb/yr	4.08 lb/yr	4108.64 lb/yr	9415.56 lb/yr
40	3736.70 lb/yr	2242.99 lb/yr	17.89 lb/yr	2392.68 lb/yr	8.53 lb/yr	4143.73 lb/yr	12542.53 lb/yr
41	9993.62 lb/yr	3853.66 lb/yr	102.99 lb/yr	4812.82 lb/yr	14.06 lb/yr	18345.34 lb/yr	37122.49 lb/yr
42	6957.89 lb/yr	2820.34 lb/yr	0.00 lb/yr	4154.87 lb/yr	61.79 lb/yr	25473.75 lb/yr	39468.63 lb/yr
43	4719.07 lb/yr	4647.77 lb/yr	0.00 lb/yr	1233.31 lb/yr	37.96 lb/yr	23364.60 lb/yr	34002.71 lb/yr
44	14347.81 lb/yr	11591.54 lb/yr	0.00 lb/yr	5145.32 lb/yr	8.90 lb/yr	16835.01 lb/yr	47928.59 lb/yr
45	29177.38 lb/yr	12911.38 lb/yr	474.49 lb/yr	11146.48 lb/yr	5.82 lb/yr	29470.78 lb/yr	83186.33 lb/yr
46	16930.16 lb/yr	8354.76 lb/yr	193.15 lb/yr	2800.03 lb/yr	26.00 lb/yr	28122.91 lb/yr	56427.00 lb/yr

Table C 5. E. coli Loads by Existing Land Use

E. coli Loads by Existing Land Use							
Sub-ID	Residential	Commercial	Industrial	Transportation	Rangeland	Undeveloped	Mean annual load
1	1662234.05 cfu/yr	0 cfu/yr	0 cfu/yr	1366613.299 cfu/yr	3096.831651 cfu/yr	0 cfu/yr	1910124.84 cfu/yr
2	1122179.21 cfu/yr	20148.60032 cfu/yr	9944.119775 cfu/yr	1671140.304 cfu/yr	1259.988437 cfu/yr	0 cfu/yr	1779543.50 cfu/yr
3	313767.59 cfu/yr	0 cfu/yr	0 cfu/yr	727659.8644 cfu/yr	1011.494038 cfu/yr	0 cfu/yr	656736.54 cfu/yr
4	41182.9 cfu/yr	0 cfu/yr	0 cfu/yr	265102.7605 cfu/yr	2162.419786 cfu/yr	0 cfu/yr	194322.29 cfu/yr
5	318198.65 cfu/yr	0 cfu/yr	0 cfu/yr	257000.6197 cfu/yr	1517.073731 cfu/yr	0 cfu/yr	363331.30 cfu/yr
6	0 cfu/yr	0 cfu/yr	0 cfu/yr	0 cfu/yr	8.240104793 cfu/yr	0 cfu/yr	5.19 cfu/yr
7	62331.54 cfu/yr	1904.232604 cfu/yr	0 cfu/yr	92988.66605 cfu/yr	251.5029233 cfu/yr	0 cfu/yr	99209.84 cfu/yr
8	212131.95 cfu/yr	0 cfu/yr	0 cfu/yr	305569.1103 cfu/yr	1881.718564 cfu/yr	0 cfu/yr	327337.15 cfu/yr
9	88098.74 cfu/yr	67036.9502 cfu/yr	0 cfu/yr	314572.7703 cfu/yr	5286.802745 cfu/yr	0 cfu/yr	299247.01 cfu/yr
10	277805.61 cfu/yr	0 cfu/yr	0 cfu/yr	619691.6789 cfu/yr	747.6982823 cfu/yr	0 cfu/yr	565894.34 cfu/yr
11	16079.33 cfu/yr	0 cfu/yr	0 cfu/yr	1476499.282 cfu/yr	4834.465021 cfu/yr	0 cfu/yr	943370.24 cfu/yr
12	958656.37 cfu/yr	0 cfu/yr	752.7513923 cfu/yr	2148257.572 cfu/yr	1686.919323 cfu/yr	0 cfu/yr	1958892.77 cfu/yr
13	833443.11 cfu/yr	0 cfu/yr	0 cfu/yr	1334093.039 cfu/yr	2156.988132 cfu/yr	0 cfu/yr	1366906.67 cfu/yr
14	51955.97 cfu/yr	0 cfu/yr	0 cfu/yr	127094.7269 cfu/yr	1415.806739 cfu/yr	0 cfu/yr	113693.90 cfu/yr
15	458297.77 cfu/yr	0 cfu/yr	3529.432853 cfu/yr	1837047.82 cfu/yr	276.0378594 cfu/yr	0 cfu/yr	1448465.17 cfu/yr
16	22187.63 cfu/yr	0 cfu/yr	0 cfu/yr	472535.8419 cfu/yr	946.3084332 cfu/yr	0 cfu/yr	312271.96 cfu/yr
17	36572.35 cfu/yr	0 cfu/yr	0 cfu/yr	261577.3894 cfu/yr	2678.875377 cfu/yr	0 cfu/yr	189522.02 cfu/yr
18	0 cfu/yr	0 cfu/yr	0 cfu/yr	357339.312 cfu/yr	2564.884207 cfu/yr	0 cfu/yr	226739.64 cfu/yr
19	54821.94 cfu/yr	0 cfu/yr	0 cfu/yr	0 cfu/yr	1696.904244 cfu/yr	0 cfu/yr	35606.87 cfu/yr
20	1160509.58 cfu/yr	0 cfu/yr	0 cfu/yr	875401.7179 cfu/yr	989.2605996 cfu/yr	0 cfu/yr	1283247.35 cfu/yr
21	1153576.27 cfu/yr	0 cfu/yr	1216.111376 cfu/yr	884496.5893 cfu/yr	829.6328623 cfu/yr	0 cfu/yr	1285274.72 cfu/yr
22	0 cfu/yr	0 cfu/yr	0 cfu/yr	58370.27097 cfu/yr	455.9021097 cfu/yr	0 cfu/yr	37060.49 cfu/yr
23	0 cfu/yr	0 cfu/yr	0 cfu/yr	0 cfu/yr	42.13842814 cfu/yr	0 cfu/yr	26.55 cfu/yr
24	20439.35 cfu/yr	0 cfu/yr	0 cfu/yr	829599.0382 cfu/yr	1333.799732 cfu/yr	0 cfu/yr	536364.48 cfu/yr

25	2914.31 cfu/yr	0 cfu/yr	0 cfu/yr	183308.2629 cfu/yr	617.7259838 cfu/yr	0 cfu/yr	117709.39 cfu/yr
26	110386.82 cfu/yr	0 cfu/yr	0 cfu/yr	115245.6656 cfu/yr	2447.645423 cfu/yr	0 cfu/yr	143690.48 cfu/yr
27	848487.42 cfu/yr	0 cfu/yr	0 cfu/yr	1453876.434 cfu/yr	7745.276292 cfu/yr	0 cfu/yr	1455368.75 cfu/yr
28	46196.39 cfu/yr	0 cfu/yr	0 cfu/yr	587302.8479 cfu/yr	6385.632304 cfu/yr	0 cfu/yr	403127.47 cfu/yr
29	140424.76 cfu/yr	0 cfu/yr	0 cfu/yr	1088897.224 cfu/yr	10277.88566 cfu/yr	0 cfu/yr	780947.92 cfu/yr
30	1065.8 cfu/yr	0 cfu/yr	0 cfu/yr	68170.6956 cfu/yr	234.8492808 cfu/yr	0 cfu/yr	43766.95 cfu/yr
31	7179.94 cfu/yr	0 cfu/yr	0 cfu/yr	8683.54765 cfu/yr	1180.295772 cfu/yr	0 cfu/yr	10737.58 cfu/yr
32	1392.08 cfu/yr	0 cfu/yr	0 cfu/yr	206874.6634 cfu/yr	1566.3602 cfu/yr	0 cfu/yr	132194.85 cfu/yr
33	20124.94 cfu/yr	0 cfu/yr	0 cfu/yr	243384.0893 cfu/yr	1477.933156 cfu/yr	0 cfu/yr	166941.78 cfu/yr
34	0 cfu/yr	0 cfu/yr	0 cfu/yr	2762.459308 cfu/yr	58.02378237 cfu/yr	0 cfu/yr	1776.90 cfu/yr
35	147360.27 cfu/yr	0 cfu/yr	0 cfu/yr	597423.4495 cfu/yr	3990.64198 cfu/yr	0 cfu/yr	471727.85 cfu/yr
36	0 cfu/yr	0 cfu/yr	0 cfu/yr	388950.6987 cfu/yr	2088.069903 cfu/yr	0 cfu/yr	246354.42 cfu/yr
37	43344.88 cfu/yr	0 cfu/yr	0 cfu/yr	690714.5681 cfu/yr	1536.385879 cfu/yr	0 cfu/yr	463425.37 cfu/yr
38	221643.69 cfu/yr	0 cfu/yr	0 cfu/yr	460703.7444 cfu/yr	131.1947814 cfu/yr	0 cfu/yr	429961.53 cfu/yr
39	413118.54 cfu/yr	0 cfu/yr	2387.470947 cfu/yr	735847.3639 cfu/yr	209.6351517 cfu/yr	0 cfu/yr	725484.70 cfu/yr
40	279563.81 cfu/yr	689.9306709 cfu/yr	1950.380336 cfu/yr	1157611.712 cfu/yr	636.6126642 cfu/yr	0 cfu/yr	907485.04 cfu/yr
41	827457.16 cfu/yr	83673.1546 cfu/yr	21015.24864 cfu/yr	2587064.272 cfu/yr	1779.735644 cfu/yr	0 cfu/yr	2218223.43 cfu/yr
42	2139537.61 cfu/yr	14623.29067 cfu/yr	0 cfu/yr	2942108.861 cfu/yr	3802.310914 cfu/yr	0 cfu/yr	3213045.41 cfu/yr
43	66057.38 cfu/yr	0 cfu/yr	0 cfu/yr	849954.8329 cfu/yr	2582.31 cfu/yr	0 cfu/yr	578714.55 cfu/yr
44	2783329.45 cfu/yr	385747.2733 cfu/yr	0 cfu/yr	2794832.824 cfu/yr	1603.736644 cfu/yr	0 cfu/yr	3758273.37 cfu/yr
45	8719509.43 cfu/yr	167942.2874 cfu/yr	77957.86073 cfu/yr	7365917.574 cfu/yr	1788.292876 cfu/yr	0 cfu/yr	10289862.73 cfu/yr
46	1558387.88 cfu/yr	713144.8982 cfu/yr	46924.73608 cfu/yr	1992633.347 cfu/yr	4370.001553 cfu/yr	0 cfu/yr	2718740.34 cfu/yr

Table C 6. E. coli Loading by Future Land Use

E. coli Loading by Future Land Use							
Sub	Residential	Commercial	Industrial	Transportation	Rangeland	Undeveloped	Mean annual

-ID							load
1	8808810.35 cfu/yr	163897.512 cfu/yr	0 cfu/yr	1510875.844 cfu/yr	104.88862 7 cfu/yr	0 cfu/yr	10483688.6 cfu/yr
2	6620950.47 cfu/yr	382622.386 8 cfu/yr	13926.288 09 cfu/yr	2340691.669 cfu/yr	36.077696 cfu/yr	0 cfu/yr	9358226.878 cfu/yr
3	967485.43 cfu/yr	126502.347 1 cfu/yr	0 cfu/yr	761739.7589 cfu/yr	776.39016 3 cfu/yr	0 cfu/yr	1856503.922 cfu/yr
4	2481840 cfu/yr	63245.7741 5 cfu/yr	0 cfu/yr	276002.8906 cfu/yr	4096.0903 28 cfu/yr	0 cfu/yr	2825184.759 cfu/yr
5	1986871.54 cfu/yr	85032.3676 9 cfu/yr	0 cfu/yr	259776.5951 cfu/yr	1585.1056 33 cfu/yr	0 cfu/yr	2333265.611 cfu/yr
6	29705.06 cfu/yr	0 cfu/yr	0 cfu/yr	0 cfu/yr	22.079662 cfu/yr	0 cfu/yr	29727.13497 cfu/yr
7	720128.12 cfu/yr	14577.1678 4 cfu/yr	0 cfu/yr	92961.62577 cfu/yr	59.281931 cfu/yr	0 cfu/yr	827726.1914 cfu/yr
8	1137815.67 cfu/yr	122107.899 2 cfu/yr	0 cfu/yr	306784.1498 cfu/yr	1595.5561 7 cfu/yr	0 cfu/yr	1568303.275 cfu/yr
9	4169608.79 cfu/yr	150579.825 8 cfu/yr	0 cfu/yr	323342.8031 cfu/yr	2261.7052 04 cfu/yr	0 cfu/yr	4645793.127 cfu/yr
10	2866341.02 cfu/yr	97411.1605 3 cfu/yr	0 cfu/yr	797420.8584 cfu/yr	238.46510 1 cfu/yr	0 cfu/yr	3761411.502 cfu/yr
11	1947680.38 cfu/yr	662638.161 3 cfu/yr	0 cfu/yr	1500879.246 cfu/yr	3354.8982 44 cfu/yr	0 cfu/yr	4114552.688 cfu/yr
12	4951792.08 cfu/yr	160182.161 5 cfu/yr	1045.9512 05 cfu/yr	2985012.874 cfu/yr	722.87583 6 cfu/yr	0 cfu/yr	8098755.946 cfu/yr
13	5003697.86 cfu/yr	381700.243 8 cfu/yr	0 cfu/yr	1359325.839 cfu/yr	747.43908 4 cfu/yr	0 cfu/yr	6745471.379 cfu/yr
14	721167.80 cfu/yr	24940.3104 6 cfu/yr	0 cfu/yr	129637.3247 cfu/yr	1316.3797 31 cfu/yr	0 cfu/yr	877061.8173 cfu/yr
15	3976042.20 cfu/yr	199028.947 7 cfu/yr	3665.8801 49 cfu/yr	2750106.399 cfu/yr	28.984854 cfu/yr	0 cfu/yr	6928872.413 cfu/yr
16	1937541.96 cfu/yr	136598.689 1 cfu/yr	0 cfu/yr	477571.179 cfu/yr	728.48423 1 cfu/yr	0 cfu/yr	2552440.31 cfu/yr
17	2841535.24 cfu/yr	13534.7832 6 cfu/yr	0 cfu/yr	347859.2723 cfu/yr	1701.4168 34 cfu/yr	0 cfu/yr	3204630.708 cfu/yr
18	3612556.49 cfu/yr	52521.1841 3 cfu/yr	0 cfu/yr	363594.6722 cfu/yr	1804.4303 2 cfu/yr	0 cfu/yr	4030476.774 cfu/yr
19	728859.29 cfu/yr	0 cfu/yr	0 cfu/yr	0 cfu/yr	892.96709 4 cfu/yr	0 cfu/yr	729752.2576 cfu/yr
20	3279588.64 cfu/yr	118036.971 7 cfu/yr	0 cfu/yr	890890.688 cfu/yr	554.18569 6 cfu/yr	0 cfu/yr	4289070.481 cfu/yr
21	4065836.89 cfu/yr	128917.335 8 cfu/yr	1249.7347 65 cfu/yr	908951.3999 cfu/yr	256.07946 5 cfu/yr	0 cfu/yr	5105211.435 cfu/yr
22	371865.29 cfu/yr	21226.0867 9 cfu/yr	0 cfu/yr	63705.6034 cfu/yr	2290.1364 62 cfu/yr	0 cfu/yr	459087.1146 cfu/yr
23	0 cfu/yr	0 cfu/yr	0 cfu/yr	0 cfu/yr	67.024341 cfu/yr	0 cfu/yr	67.024341 cfu/yr

24	716401.7207 cfu/yr	228306.423 9 cfu/yr	0 cfu/yr	830289.9498 cfu/yr	1166.0581 86 cfu/yr	0 cfu/yr	1776164.153 cfu/yr
25	904428.6215 cfu/yr	36630.4546 7 cfu/yr	0 cfu/yr	220953.7784 cfu/yr	1550.9030 59 cfu/yr	0 cfu/yr	1163563.758 cfu/yr
26	5954985.62 cfu/yr	8060.66651 cfu/yr	0 cfu/yr	120711.2238 cfu/yr	2498.8693 59 cfu/yr	0 cfu/yr	6086256.38 cfu/yr
27	7393943.373 cfu/yr	221884.848 cfu/yr	0 cfu/yr	1495606.695 cfu/yr	6565.6862 28 cfu/yr	0 cfu/yr	9118000.602 cfu/yr
28	1645059.668 cfu/yr	94654.3747 cfu/yr	0 cfu/yr	620833.6911 cfu/yr	6454.3259 72 cfu/yr	0 cfu/yr	2367002.059 cfu/yr
29	2110991.827 cfu/yr	197756.676 5 cfu/yr	0 cfu/yr	1093894.183 cfu/yr	10768.460 76 cfu/yr	0 cfu/yr	3413411.147 cfu/yr
30	214074.2939 cfu/yr	22378.8045 9 cfu/yr	0 cfu/yr	69126.18982 cfu/yr	112.67235 9 cfu/yr	0 cfu/yr	305691.9607 cfu/yr
31	7179.936435 cfu/yr	0 cfu/yr	0 cfu/yr	9862.200932 cfu/yr	1287.5831 75 cfu/yr	0 cfu/yr	18329.72054 cfu/yr
32	1603355.696 cfu/yr	8660.73257 9 cfu/yr	0 cfu/yr	216443.0365 cfu/yr	1238.3621 87 cfu/yr	0 cfu/yr	1829697.828 cfu/yr
33	1846281.163 cfu/yr	9232.82278 5 cfu/yr	0 cfu/yr	262071.5661 cfu/yr	2411.0157 1 cfu/yr	0 cfu/yr	2119996.568 cfu/yr
34	84906.32851 cfu/yr	0 cfu/yr	0 cfu/yr	2952.726989 cfu/yr	0 cfu/yr	0 cfu/yr	87859.0555 cfu/yr
35	2621724.51 cfu/yr	181731.816 2 cfu/yr	0 cfu/yr	606574.1601 cfu/yr	3474.6264 64 cfu/yr	0 cfu/yr	3413505.112 cfu/yr
36	8430253.272 cfu/yr	0 cfu/yr	0 cfu/yr	404864.1436 cfu/yr	727.05962 4 cfu/yr	0 cfu/yr	8835844.475 cfu/yr
37	2503135.834 cfu/yr	60176.0883 6 cfu/yr	0 cfu/yr	699728.8674 cfu/yr	792.95703 1 cfu/yr	0 cfu/yr	3263833.747 cfu/yr
38	888955.788 cfu/yr	60747.6373 5 cfu/yr	0 cfu/yr	597822.3571 cfu/yr	123.27287 3 cfu/yr	0 cfu/yr	1547649.055 cfu/yr
39	1408928.894 cfu/yr	126371.503 9 cfu/yr	3223.8504 24 cfu/yr	993629.6143 cfu/yr	150.87379 8 cfu/yr	0 cfu/yr	2532304.736 cfu/yr
40	1822782.3 cfu/yr	278858.658 cfu/yr	2868.6161 85 cfu/yr	1725332.731 cfu/yr	315.65595 3 cfu/yr	0 cfu/yr	3830157.961 cfu/yr
41	4874937.816 cfu/yr	479103.331 5 cfu/yr	16512.326 64 cfu/yr	3470467.343 cfu/yr	520.13162 6 cfu/yr	0 cfu/yr	8841540.949 cfu/yr
42	3394091.564 cfu/yr	350636.286 cfu/yr	0 cfu/yr	2996028.441 cfu/yr	2286.3472 76 cfu/yr	0 cfu/yr	6743042.639 cfu/yr
43	2301987.454 cfu/yr	577831.273 4 cfu/yr	0 cfu/yr	889326.4984 cfu/yr	1404.4766 6 cfu/yr	0 cfu/yr	3770549.703 cfu/yr
44	6998931.575 cfu/yr	1441110.99 3 cfu/yr	0 cfu/yr	3710234.307 cfu/yr	329.22531 2 cfu/yr	0 cfu/yr	12150606.1 cfu/yr
45	14232866.73 cfu/yr	1605198.13 9 cfu/yr	76075.601 92 cfu/yr	8037600.373 cfu/yr	215.43029 4 cfu/yr	0 cfu/yr	23951956.28 cfu/yr
46	8258613.649 cfu/yr	1038699.78 7 cfu/yr	30967.529 66 cfu/yr	2019065.918 cfu/yr	962.02705 6 cfu/yr	0 cfu/yr	11348308.91 cfu/yr