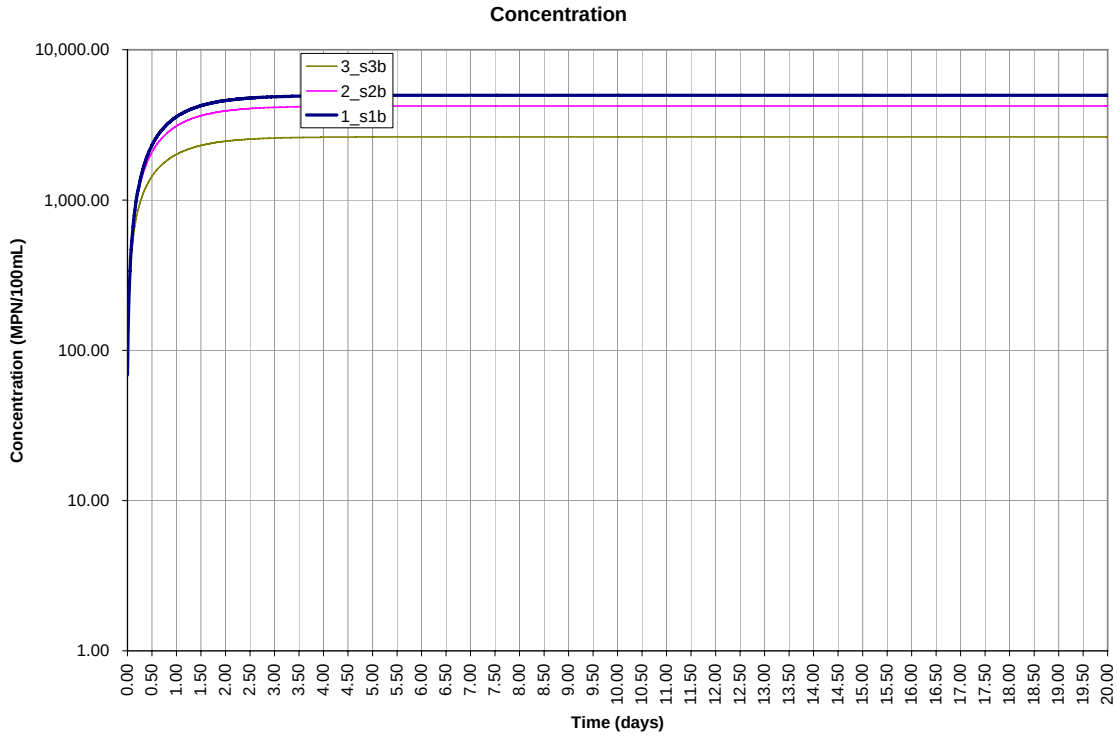
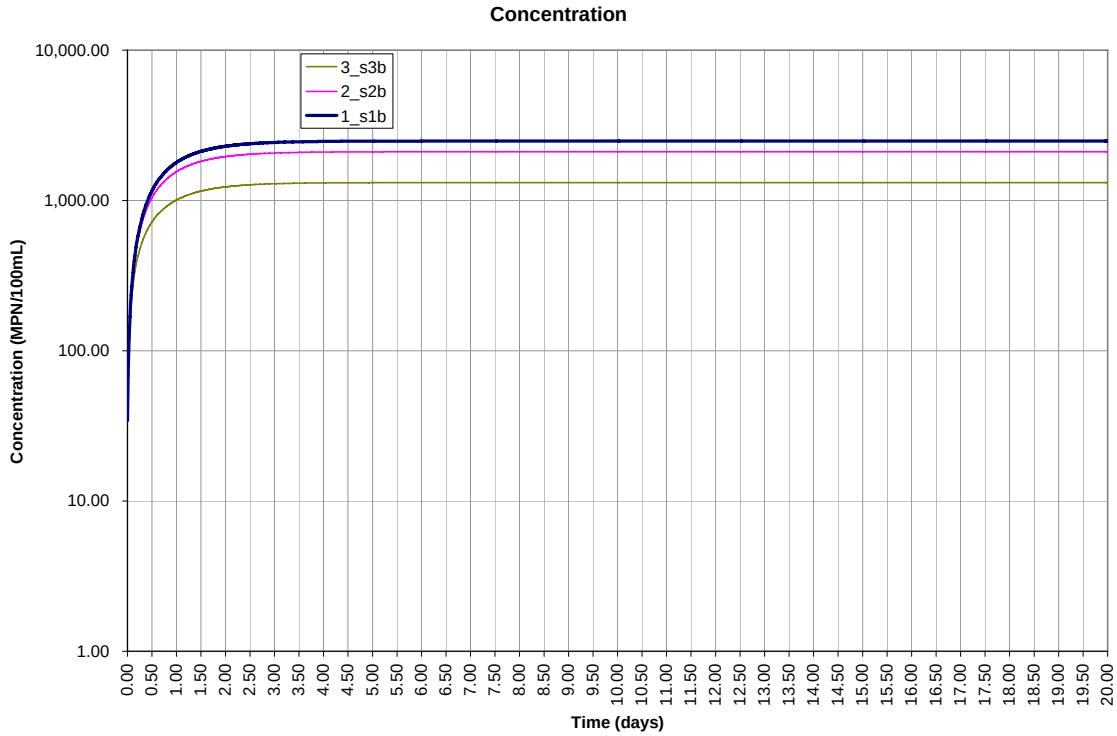
FD/EC Sensitivity Results

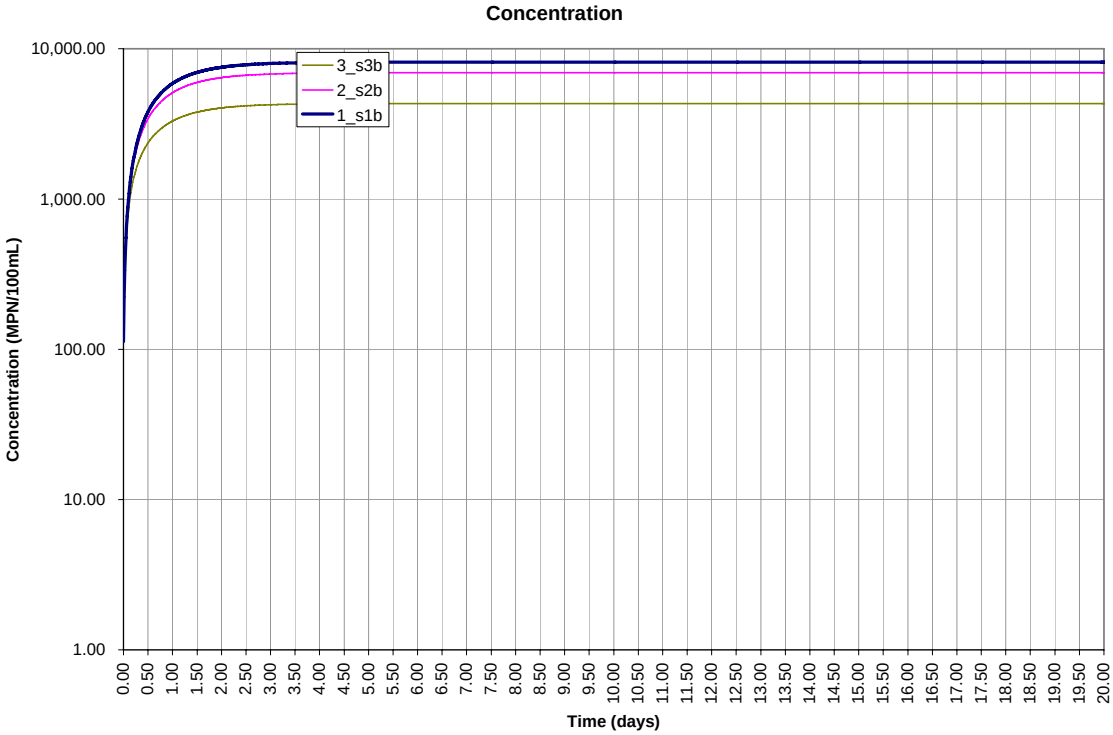
Raw sewage FC = 5.5E5 colonies/100 ml, FC/EC = 1, Discharge = 200gallon/day/residence, Conc_seg1 = 4969



Raw Sewage FC = 5.5E5 colonies/100 ml, FC/EC = 0.5, Discharge = 200gallon/day/residence, Conc_seg1 = 2482

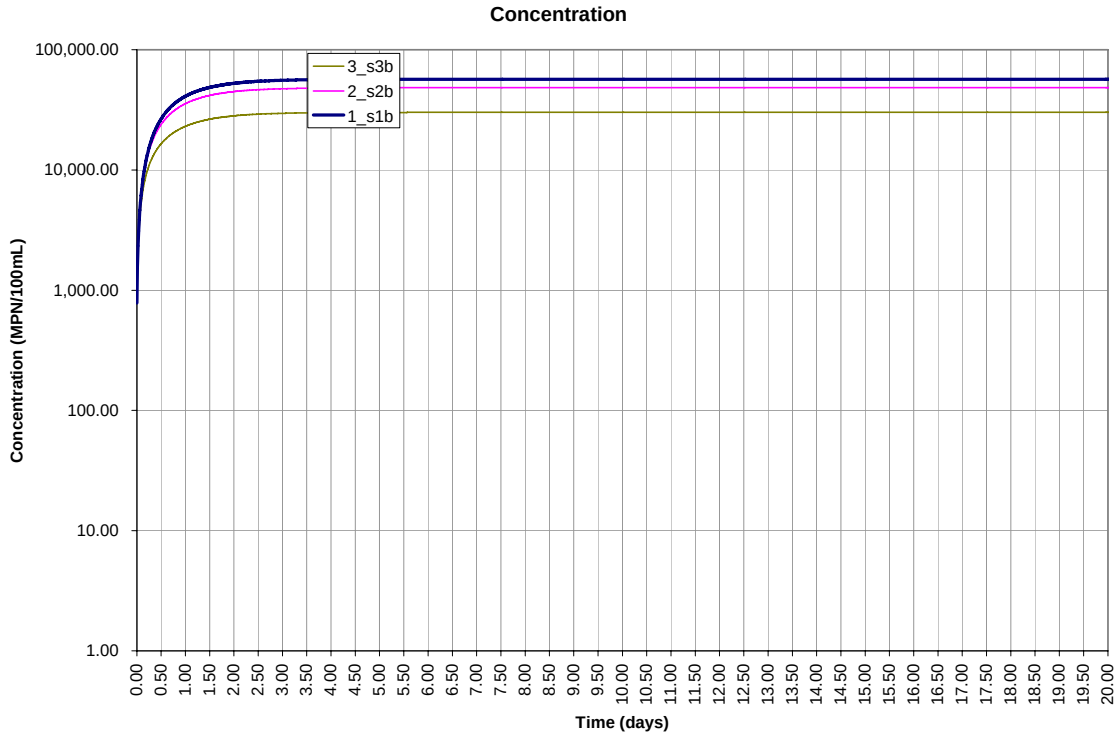


Raw Sewage FC = 5.5E5 colonies/100 ml, FC/EC = 1.64, Discharge = 200gallon/day/residence, Conc_seg1 = 8150

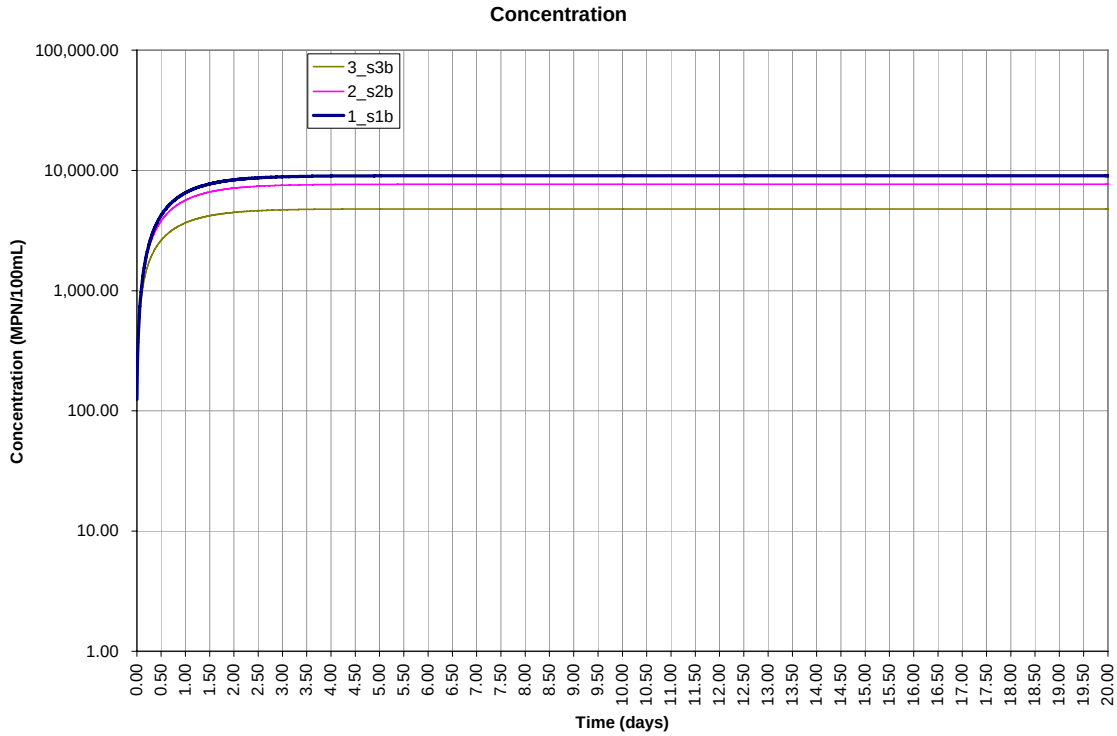


Bacteria Source Concentration Sensitivity Results

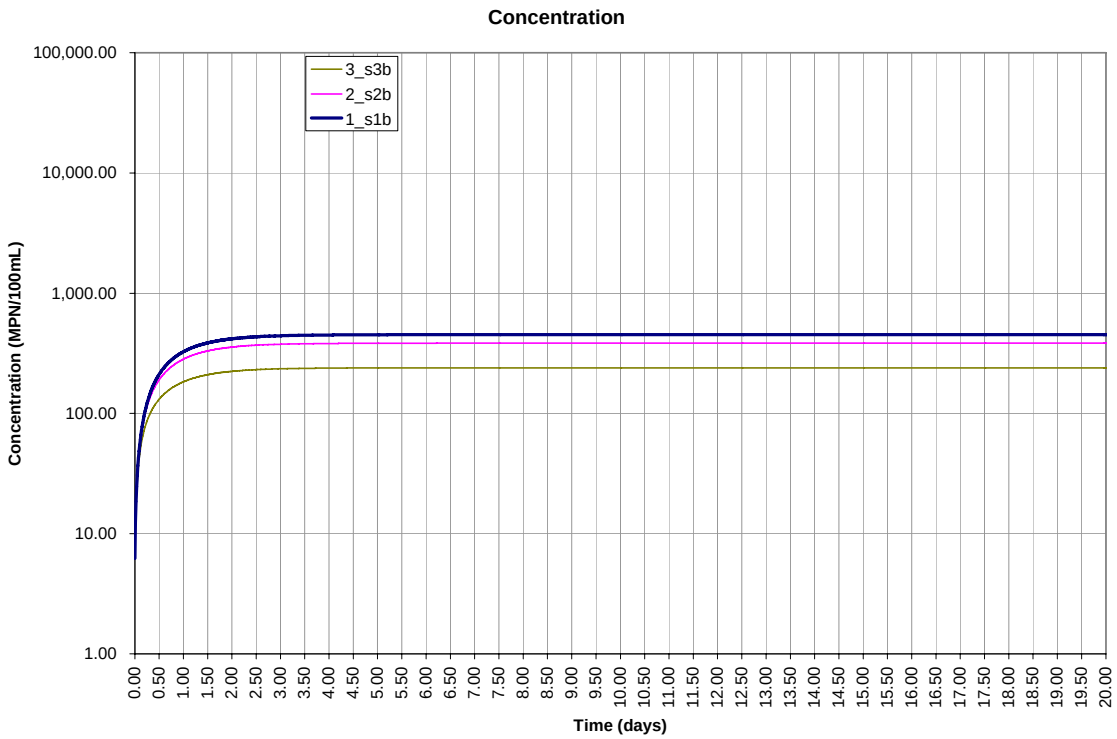
Raw sewage FC = 6.3E6 colonies/100 ml, FC/EC = 1, Discharge = 200gallon/day/residence, Conc_seg1 = 56923



Raw sewage FC = 1E6 colonies/100 ml, FC/EC = 1, Discharge = 200gallon/day/residence, Conc_seg1 = 9035

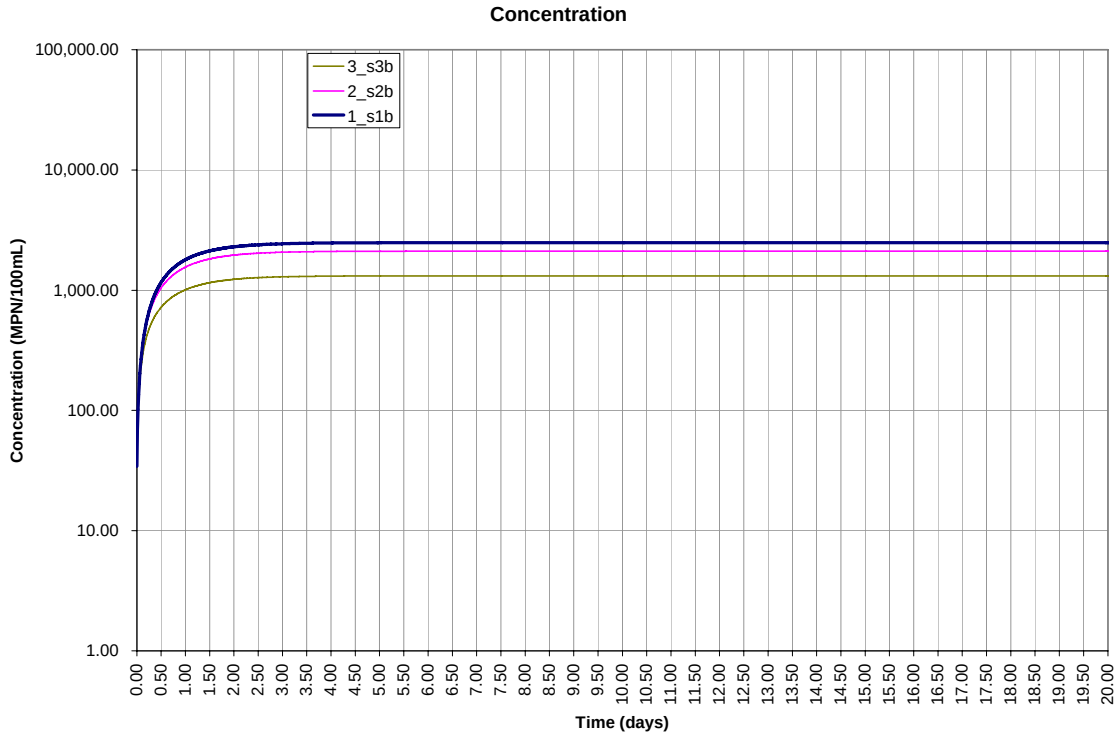


Raw sewage EC = 5E4 colonies/100 ml, Discharge = 200gallon/day/residence, Conc_seg1 = 451.8

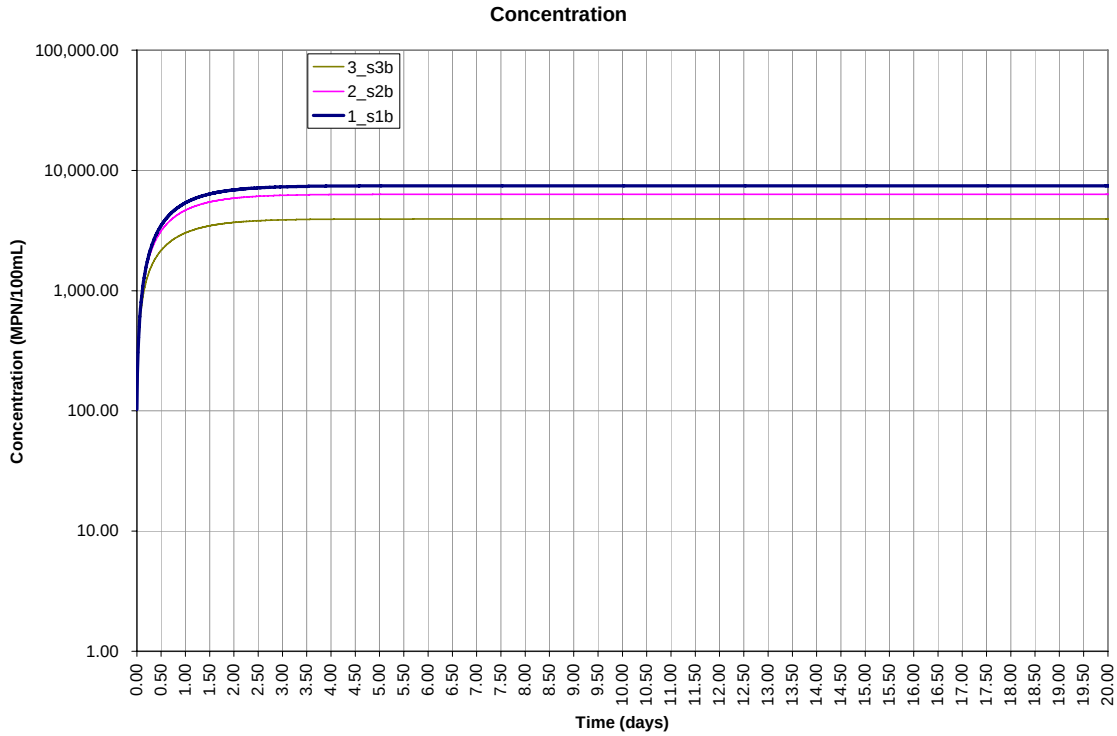


Flow Rate Sensitivity Results

Raw sewage FC = 5.5E5 colonies/100 ml, FC/EC = 1, Discharge = 100gallon/day/residence, Conc_seg1 = 2485

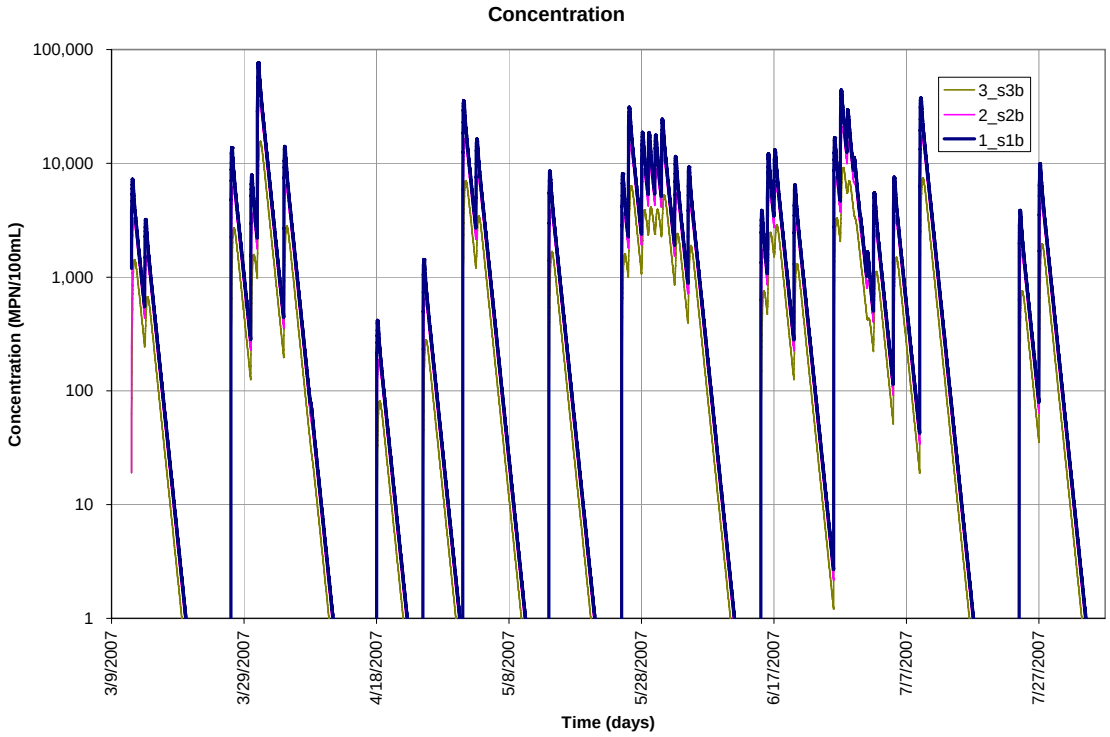


Raw sewage FC = 5.5E5 colonies/100 ml, FC/EC = 1, Discharge = 300gallon/day/residence, Conc_seg1 = 2485

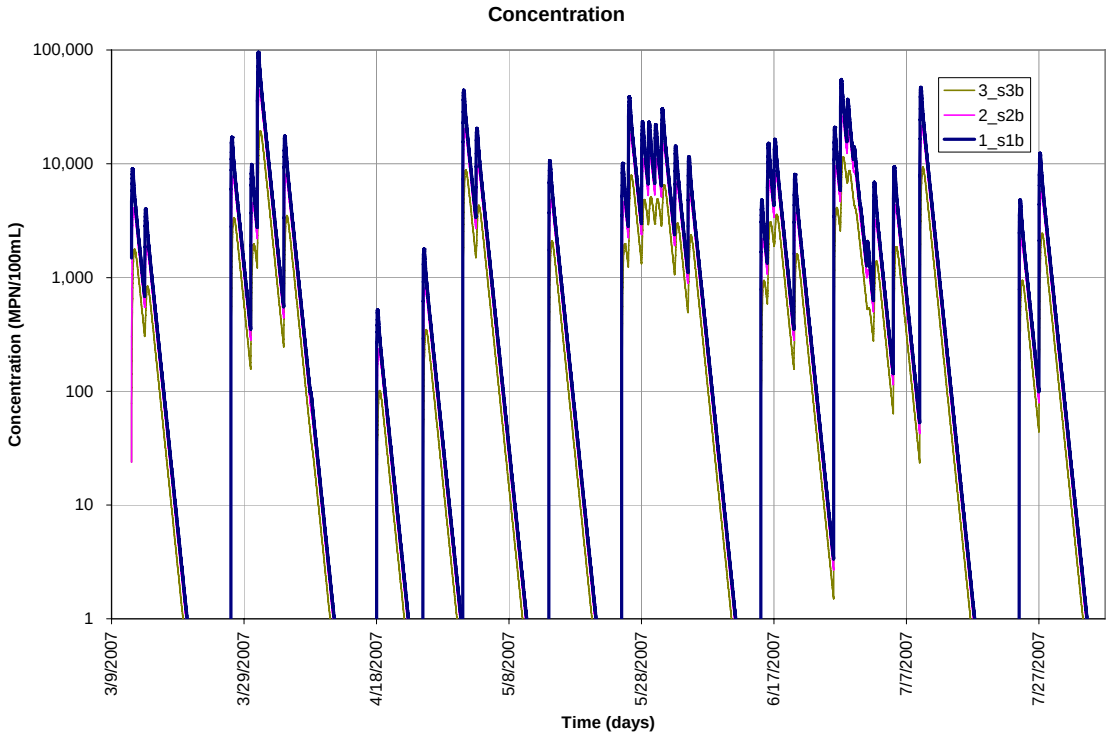


Runoff Concentration Sensitivity Results

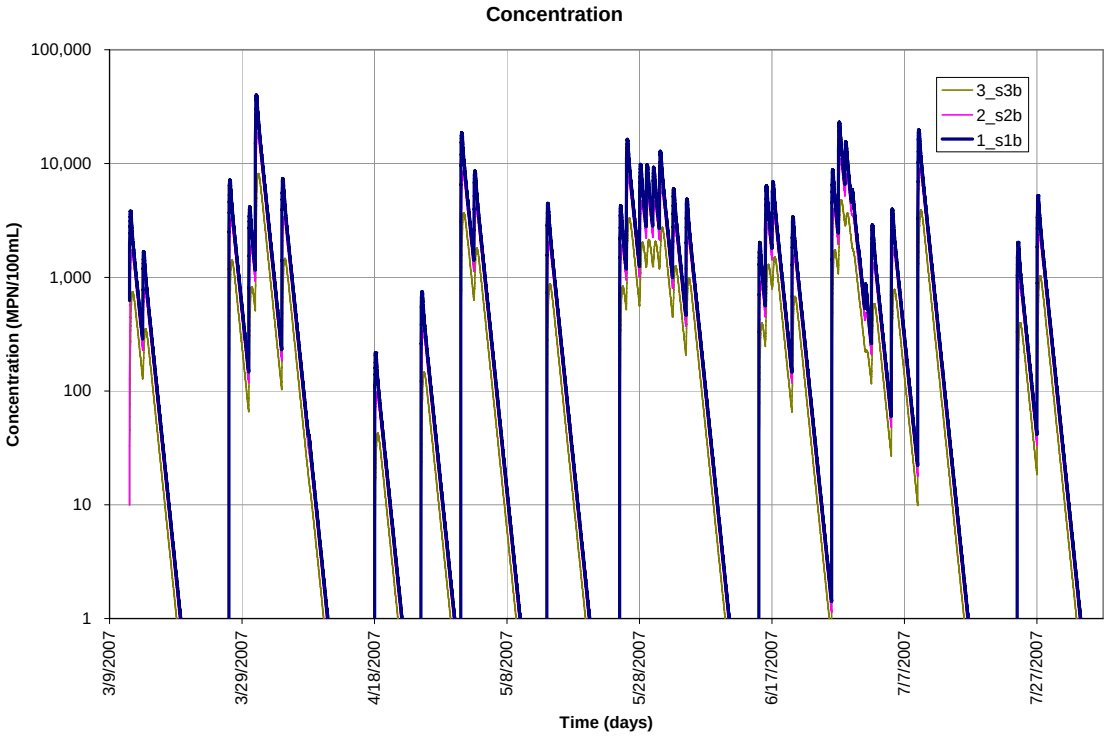
FC = 16048 mpn/100mL, FC/EC=1, Dispersion Coeff.=0.5, Decay rate=0.5



FC = 20000, FC/EC=1, Dispersion Coeff.=0.5, Decay rate=0.5

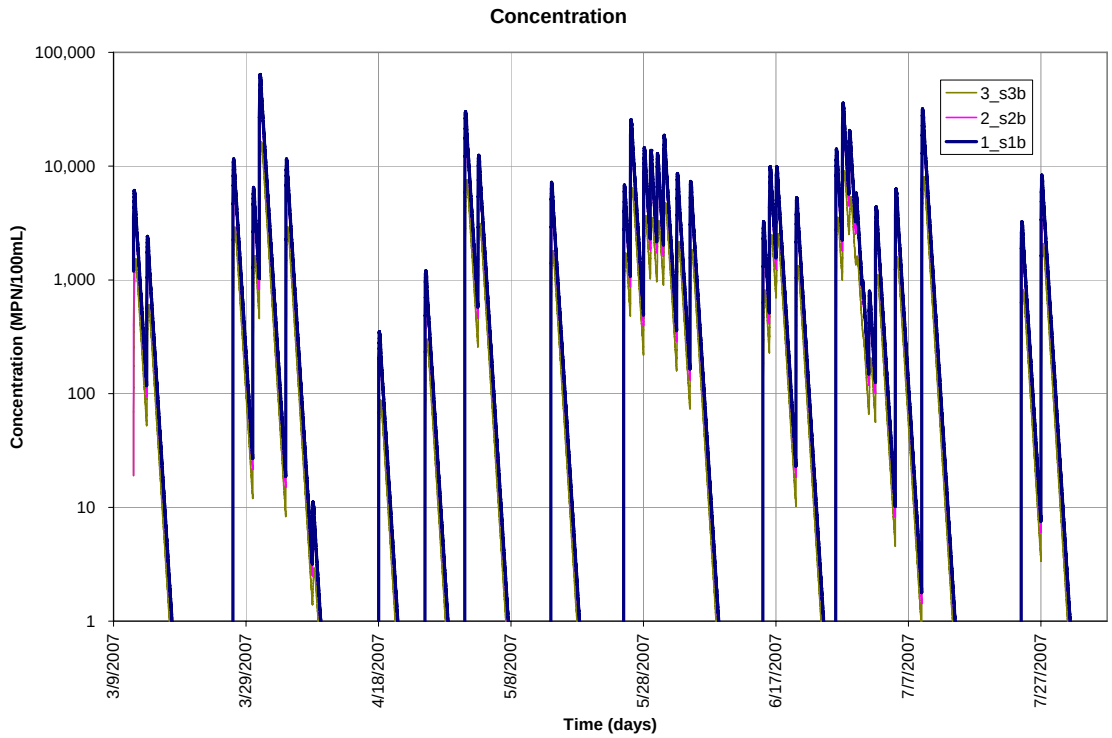


FC = 8400, FC/EC=1, Dispersion Coeff.=0.5, Decay rate=0.5

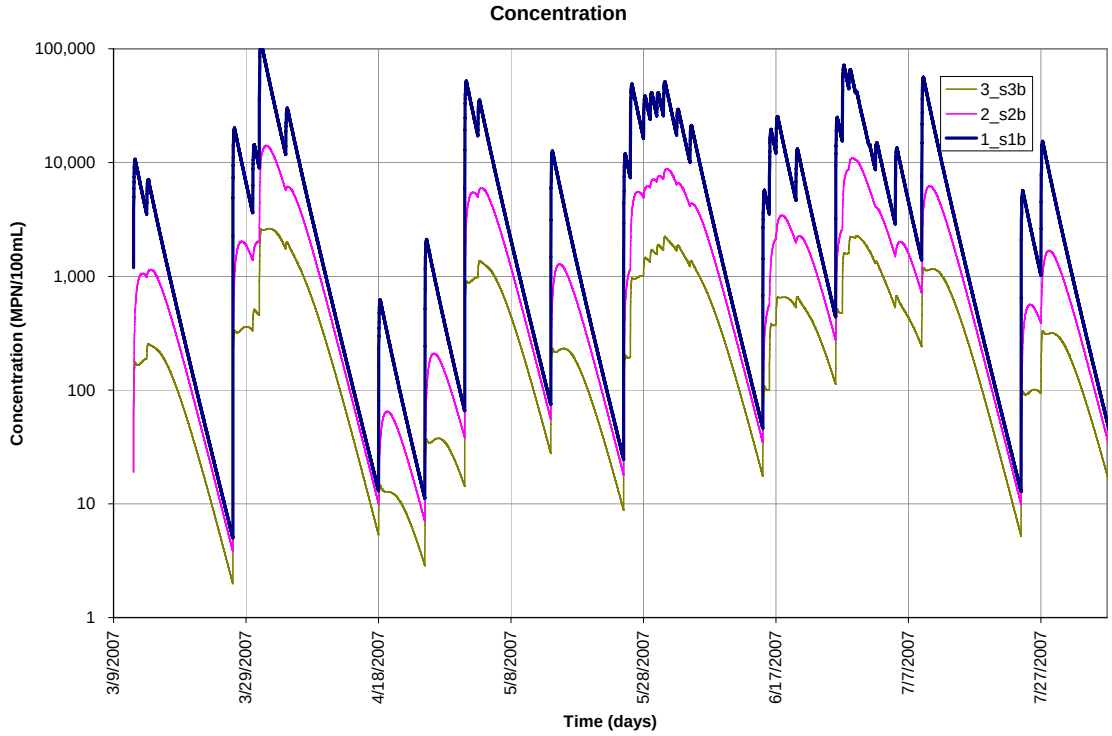


Dispersion Coefficient Sensitivity Results

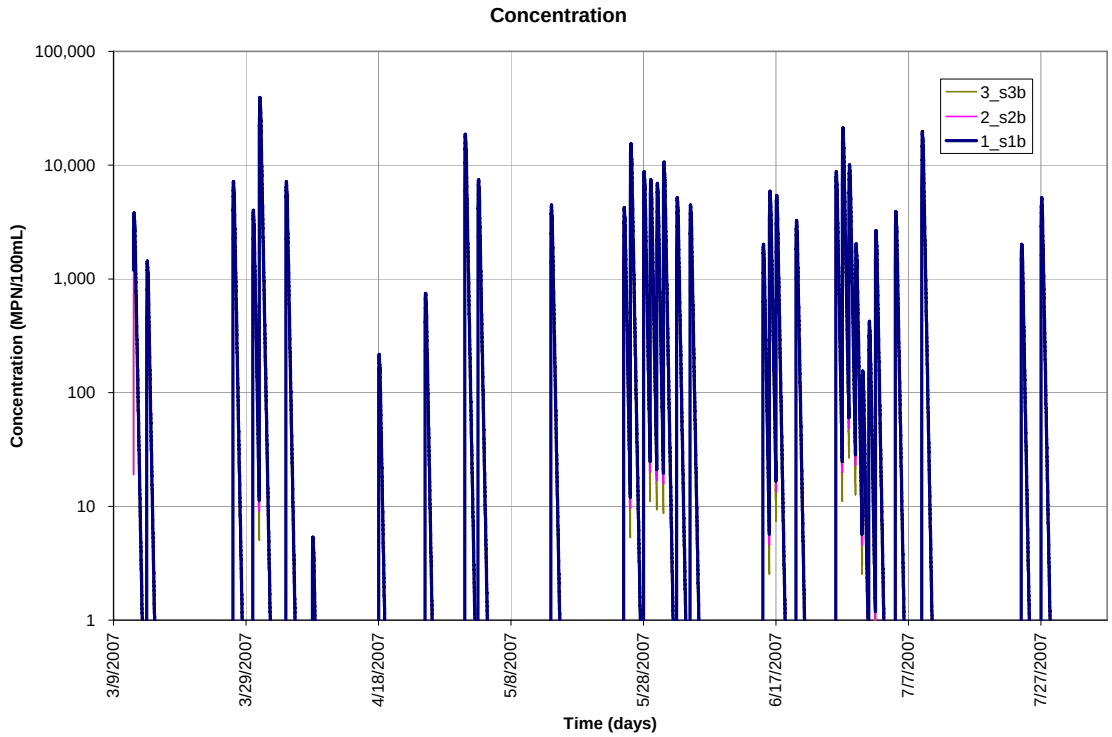
FC = 16048, FC/EC=1, Dispersion Coeff.=1, Decay rate=0.5



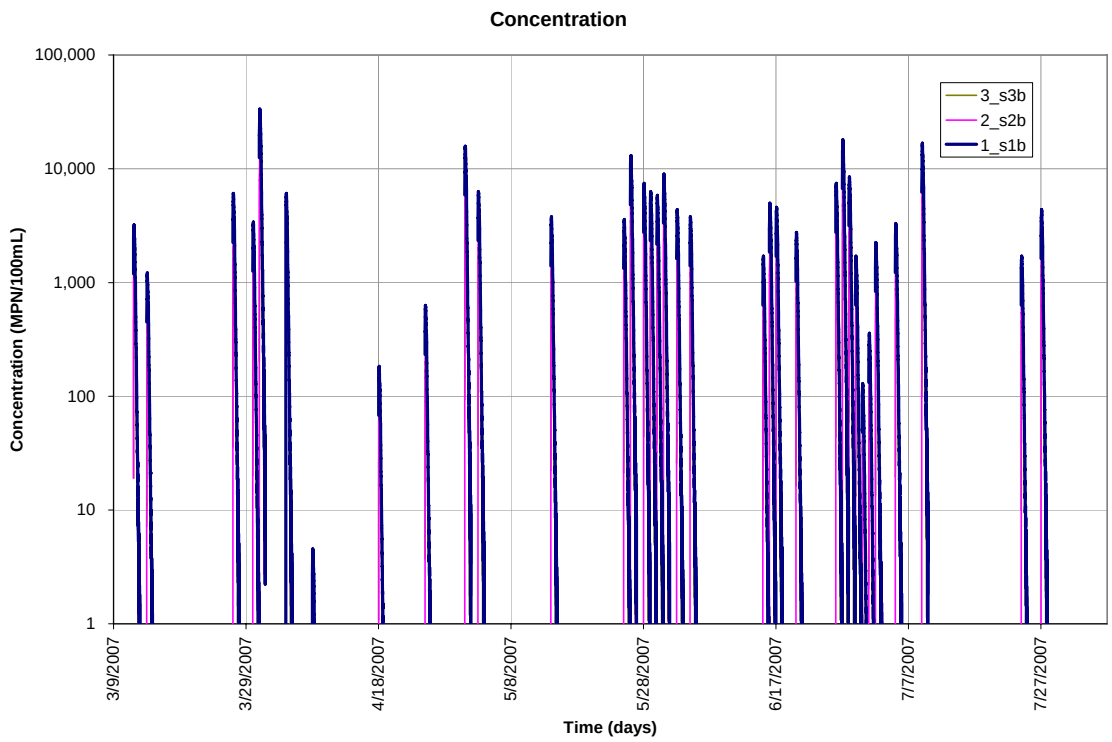
FC = 16048, FC/EC=1, Dispersion Coeff.=0.02, Decay rate=0.5



FC = 16048, FC/EC=1, Dispersion Coeff.=4, Decay rate=0.5

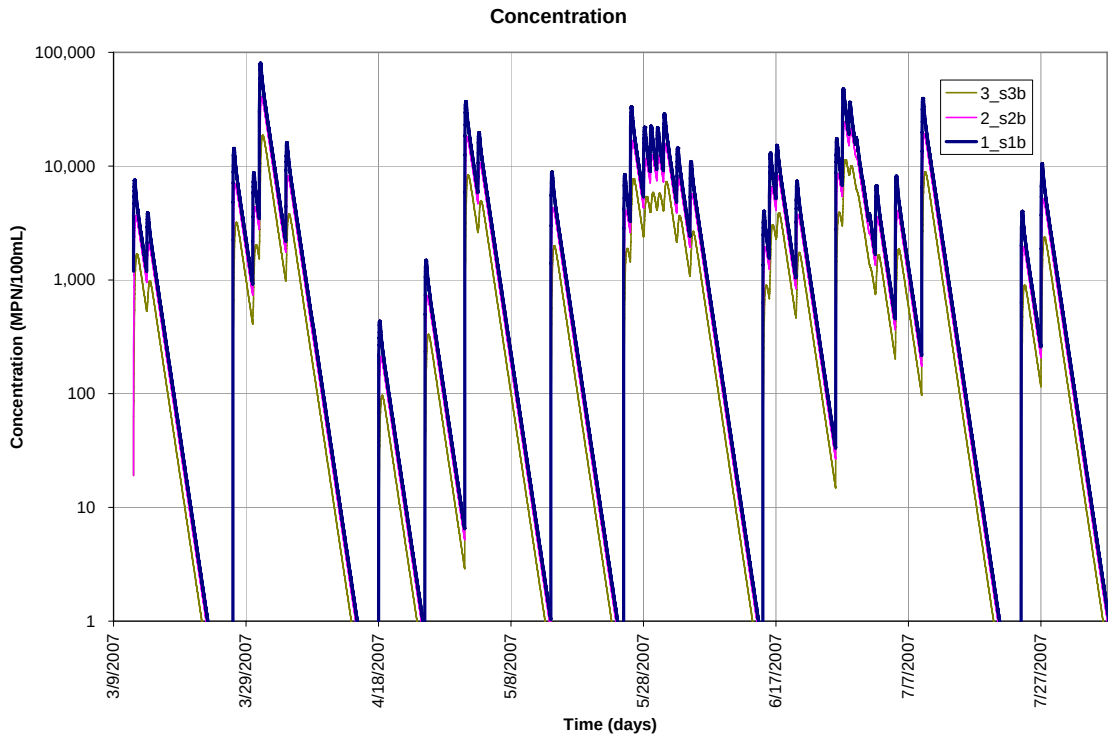


FC = 16048, FC/EC=1, Dispersion Coeff.=6, Decay rate=0.5

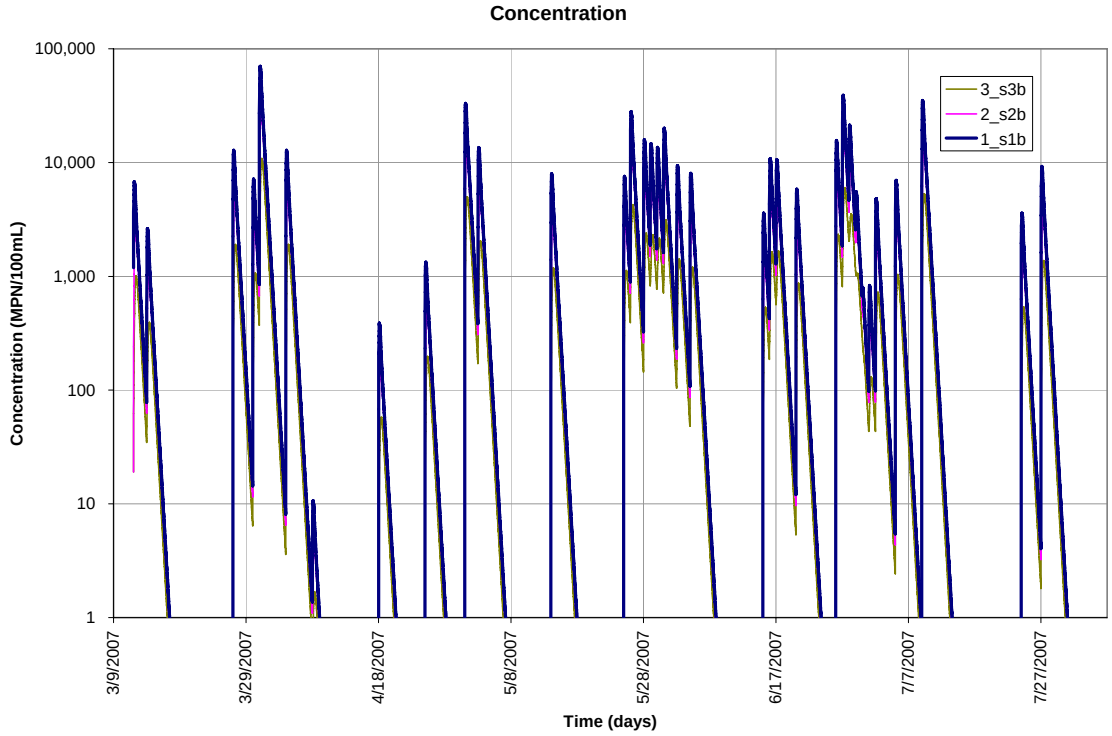


Decay Rate Sensitivity Results

FC = 16048, FC/EC=1, Dispersion Coeff.=0.5, Decay rate=0.1



FC = 16048, FC/EC=1, Dispersion Coeff.=0.5, Decay rate=1.5



BMP Sensitivity Results

Sensitivity for BMPs

Point Source	Mean C	Non-Point Source	Mean C
Base	133.43	Base	133.43
25% Reduction	112.26	25% Reduction	119.43
50% Reduction	88.5	50% Reduction	102.52
75% Reduction	59.68	75% Reduction	80.39

Combination

Base	133.43
25% Red. In Both	100.07
50% Red. in Both	66.71