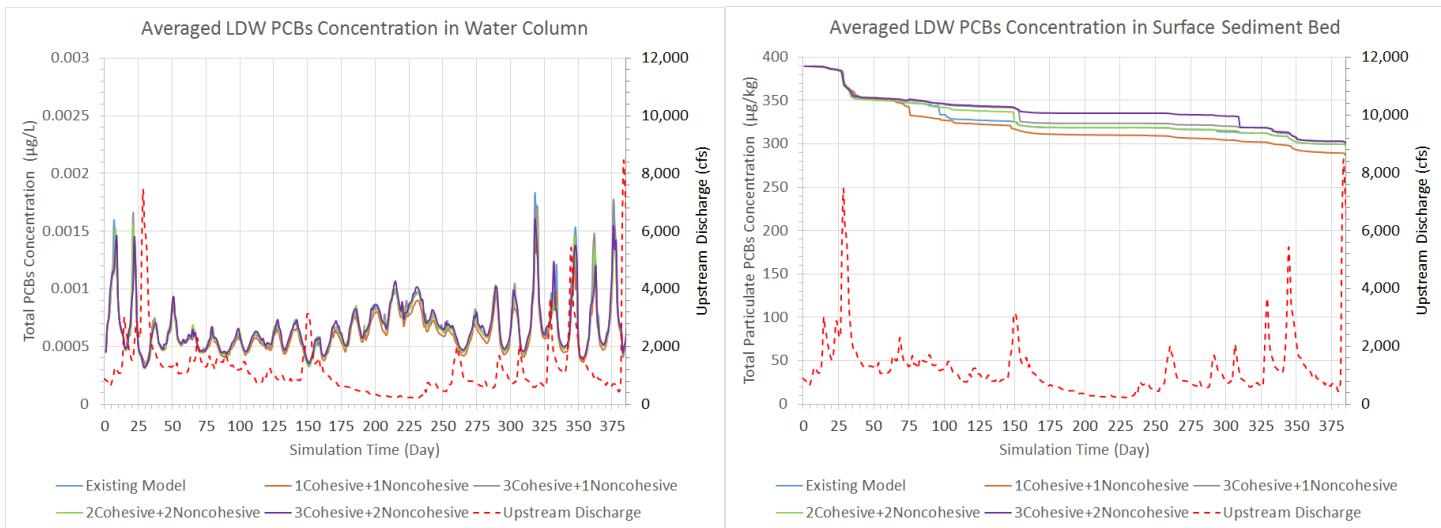
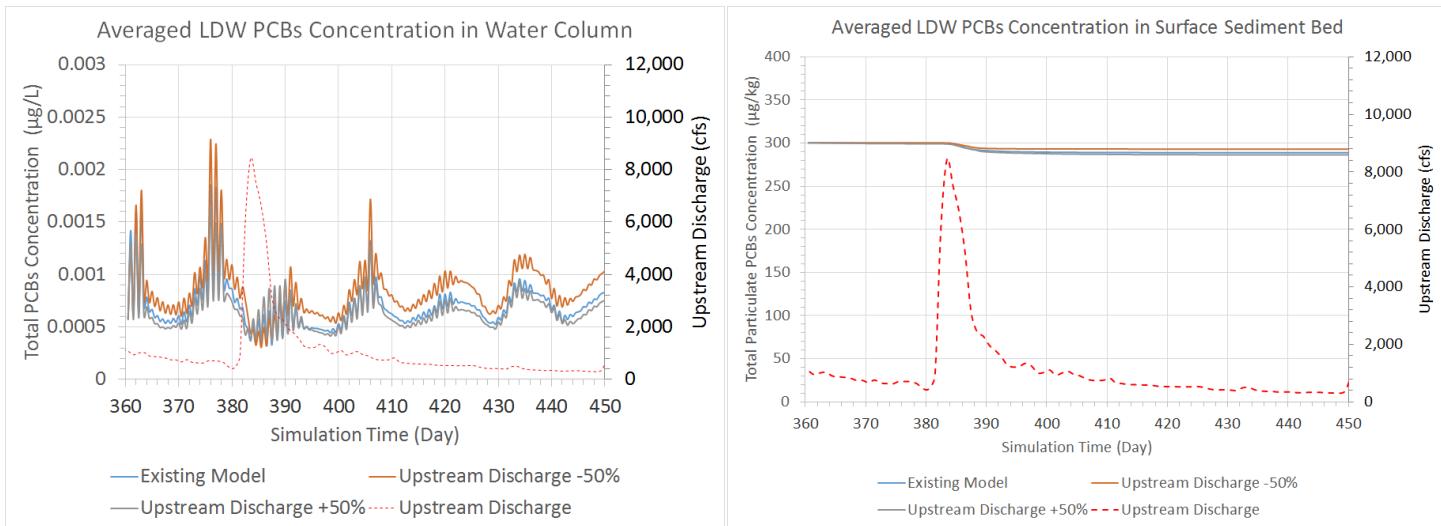


MODEL SENSITIVITY ANALYSIS

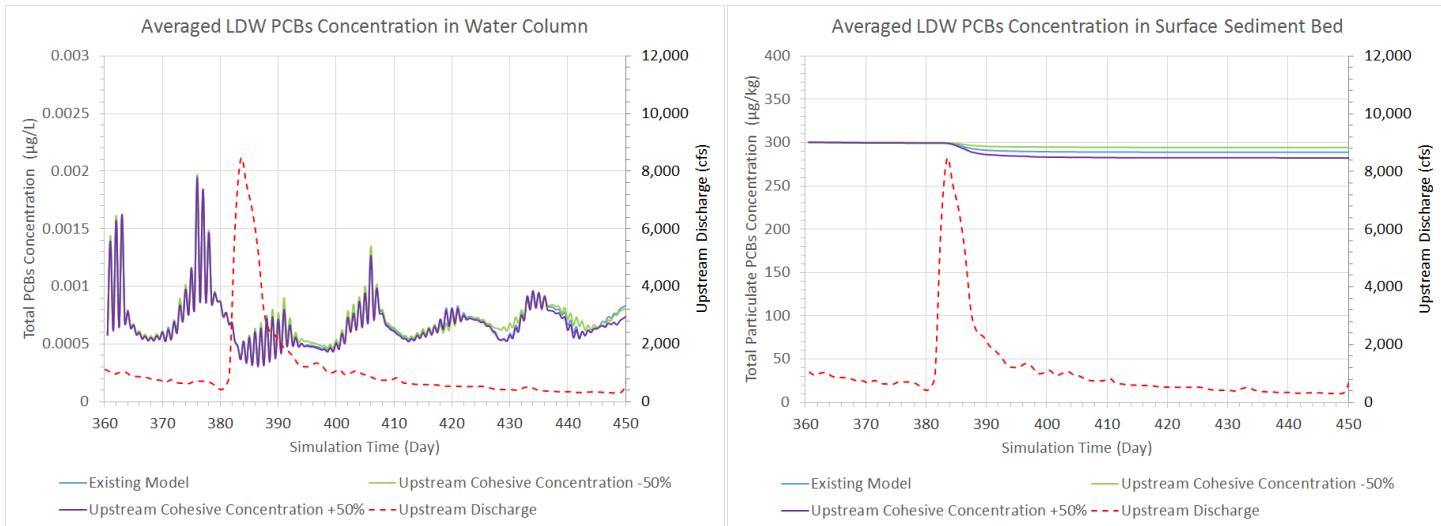
Subtask 1—Sediment Classification Sensitivity



Subtask 2—Upstream Boundary Flow +/- 50%

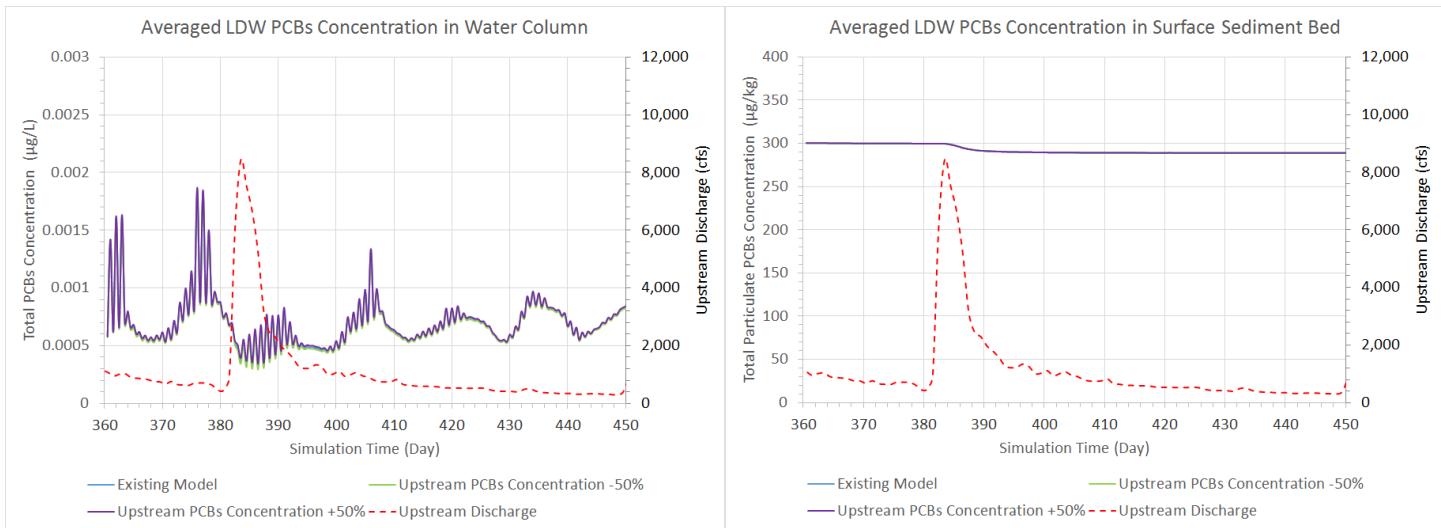


Subtask 3—Upstream Boundary Cohesive Sediment Concentration +/- 50%

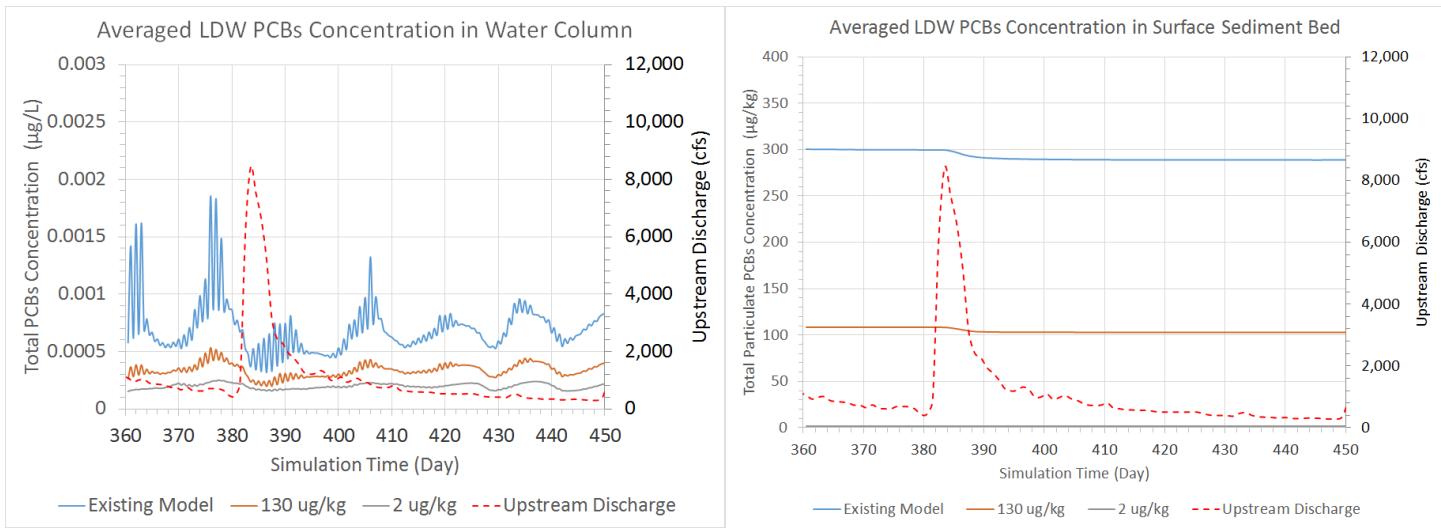


MODEL SENSITIVITY ANALYSIS

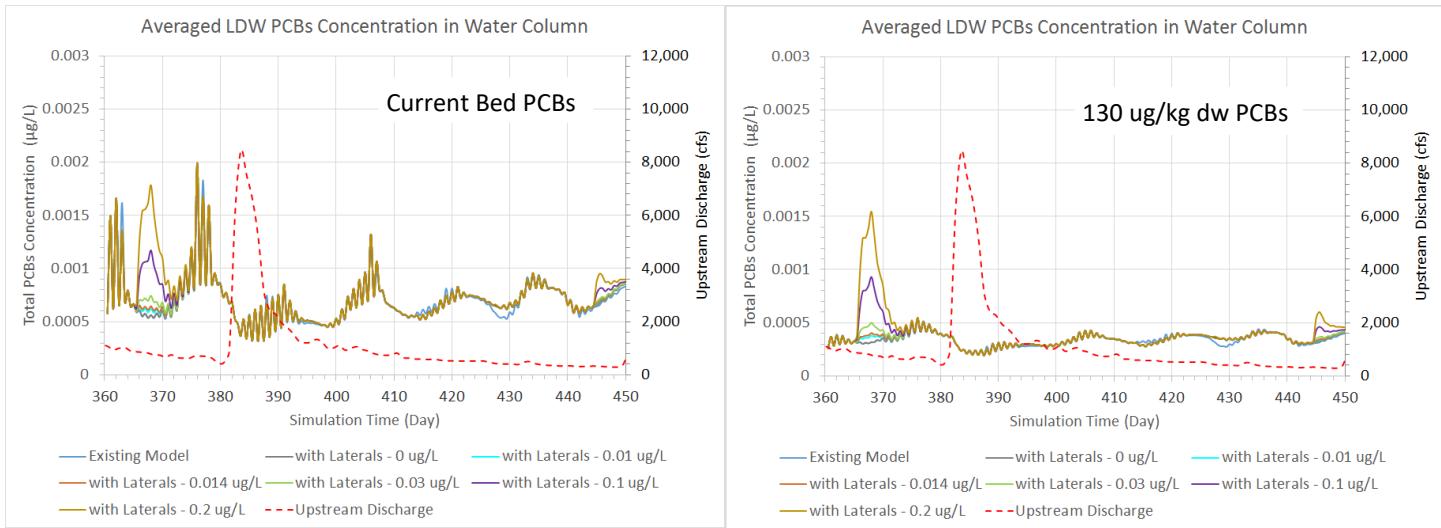
Subtask 4—Upstream Boundary Total PCB Concentration +/- 50%



Subtask 5—LDW Sediment Bed PCB Concentration

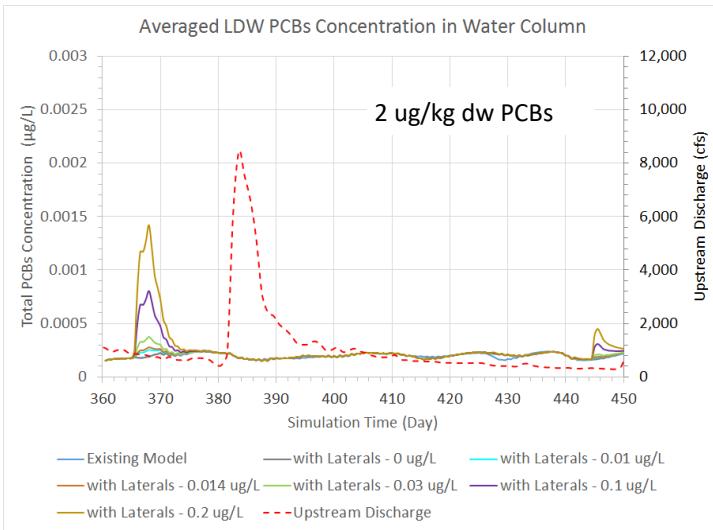


Subtask 6—Lateral PCB Load Sensitivity



MODEL SENSITIVITY ANALYSIS

Subtask 6—Lateral PCB Load Sensitivity (continued)

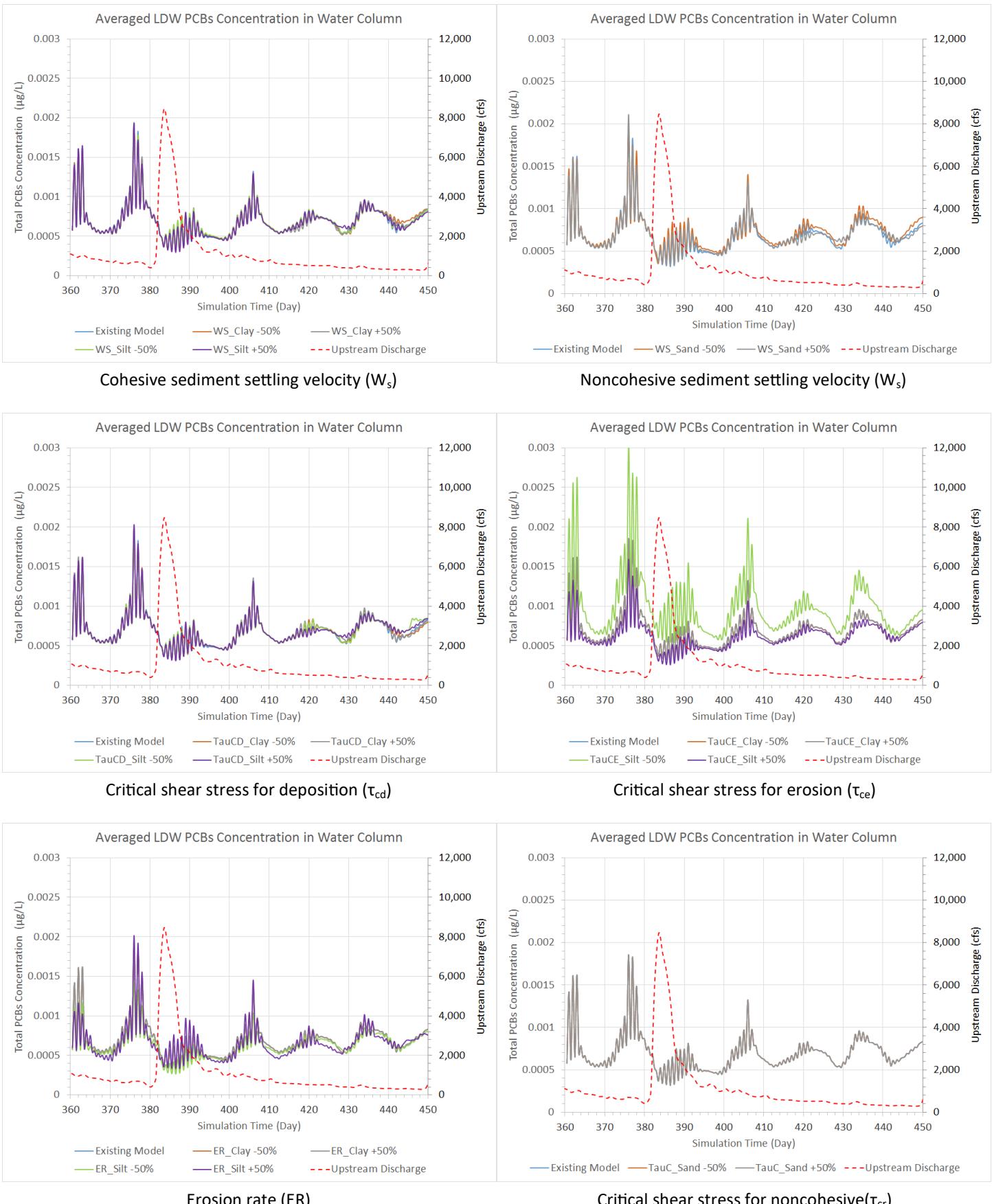


Subtask 7—Steady State Flow Scenarios

Upstream Flow Cases	PCBs Concentration in Water Column			PCBs Concentration in Surface Sediment Bed		
	Total ($\mu\text{g/L}$)	Dissolved ($\mu\text{g/L}$)	Particulate ($\mu\text{g/kg}$)	Total ($\mu\text{g/L}$)	Dissolved ($\mu\text{g/L}$)	Particulate ($\mu\text{g/kg}$)
1. Average	0.001698	0.001596	8.778431	598.99	0.063221	387.09
2. Wet	0.001406	0.001299	7.143484	598.51	0.063204	386.81
% Change	-17.20%	-18.61%	-18.62%	-0.08%	-0.03%	-0.07%
3. Dry	0.002736	0.002606	14.33208	602.50	0.064076	388.90
% Change	61.13%	63.28%	63.26%	0.58%	1.35%	0.47%
<hr/>						
Open Boundary Cases	PCBs Concentration in Water Column			PCBs Concentration in Surface Sediment Bed		
	Total ($\mu\text{g/L}$)	Dissolved ($\mu\text{g/L}$)	Particulate ($\mu\text{g/kg}$)	Total ($\mu\text{g/L}$)	Dissolved ($\mu\text{g/L}$)	Particulate ($\mu\text{g/kg}$)
1. Median Stage	0.002467	0.002292	12.60506	599.78	0.063579	387.70
% Change	45.29%	43.61%	43.59%	0.13%	0.57%	0.16%
2. High Stage	0.002527	0.002356	12.95909	609.25	0.06384	393.90
% Change	48.82%	47.62%	47.62%	1.71%	0.98%	1.76%
3. Low Stage	0.010326	0.009651	53.05556	610.95	0.063545	395.04
% Change	508.13%	504.70%	504.39%	2.00%	0.51%	2.05%

MODEL SENSITIVITY ANALYSIS

Subtask 8—Model Parameters Sensitivity



MODEL SENSITIVITY ANALYSIS

Subtask 8—Model Parameters Sensitivity (continued)

