

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Yellow Perch Small	Yellow perch small: Dietary absorption efficiency of lipid	0.9108	68.60%
Cutthroat Trout	Cutthroat trout: Dietary absorption efficiency of lipid	0.8770	65.00%
Peamouth	Peamouth chub: Dietary absorption efficiency of lipid	0.7786	55.63%
Sockeye Salmon (juv.)	Sockeye juvenile: Dietary absorption efficiency of lipid	0.8400	55.41%
Prickly Sculpin Large	Sculpin: Dietary absorption efficiency of lipid	0.7988	51.40%
Prickly Sculpin Small	Prickly sculpin small: Dietary absorption efficiency of lipid	0.8089	51.28%
Longfin Smelt	Longfin smelt: Dietary absorption efficiency of lipid	0.7721	50.14%
Smallmouth Bass	Smallmouth bass: Dietary absorption efficiency of lipid	0.7718	49.73%
Northern Pike minnow	Northern pike minnow: Dietary absorption efficiency of lipid	0.7668	49.04%
Yellow Perch Large	Yellow perch large: Dietary absorption efficiency of lipid	0.7690	47.33%
Threespine Stickleback	Stickleback: Dietary absorption efficiency of lipid	0.7053	42.29%
Mysids	Chem properties: PCB 118 water	0.6137	32.96%
Copepods	Copepods: Water fraction in biota	-0.7360	32.25%
Copepods	Copepods: Non-lipid organic matter fraction in biota	0.7295	31.68%
Amphipods/Isopods	Amphipods/Isopods: Water fraction in biota	-0.7002	30.33%
Amphipods/Isopods	Amphipods/Isopods: Non-lipid organic matter fraction in biota	0.6949	29.86%
Phytoplankton	Chem properties: PCB 118 water	0.5878	29.81%
Daphnia	Daphnia: Water fraction in biota	-0.6114	25.02%
Daphnia	Daphnia: Non-lipid organic matter fraction in biota	0.5963	23.80%
Crayfish Large	Crayfish Large: Dietary absorption efficiency of lipid	0.5428	22.86%
Crayfish Small	Crayfish small: Dietary absorption efficiency of lipid	0.5236	21.54%
Crayfish Small	Crayfish small: Water fraction in biota	-0.4497	15.89%
Crayfish Small	Crayfish small: Non-lipid organic matter fraction in biota	0.4455	15.59%
Phytoplankton	Phytoplankton: Aqueous phase resistance constant	-0.4222	15.38%
Phytoplankton	Phytoplankton: Growth rate constant	-0.4202	15.24%
Daphnia	Chem properties: PCB 118 water	0.4730	14.97%
Mysids	Mysids: Lipid fraction in biota	0.4108	14.77%
Mollusks	Mollusks: Water fraction in biota	-0.4162	12.78%
Benthic Invertebrates	Benthic invertebrates: Lipid fraction in biota	0.3966	12.78%
Benthic Invertebrates	Chem properties: PCB 118 sediment	0.3934	12.57%
Benthic Invertebrates	Benthic invertebrates: Dietary absorption efficiency of lipid	0.3911	12.43%
Mollusks	Mollusks: Non-lipid organic matter fraction in biota	0.4033	11.99%
Yellow Perch Large	Sculpin: Dietary absorption efficiency of lipid	0.3828	11.73%
Crayfish Large	Crayfish Large: Water fraction in biota	-0.3851	11.51%
Mollusks	Mollusks: Lipid fraction in biota	0.3927	11.38%
Crayfish Large	Crayfish Large: Non-lipid organic matter fraction in biota	0.3821	11.33%
Benthic Invertebrates	Benthic invertebrates: Water fraction in biota	-0.3696	11.10%
Benthic Invertebrates	Benthic invertebrates: Non-lipid organic matter fraction in biota	0.3529	10.12%
Daphnia	Daphnia: Lipid fraction in biota	0.3827	9.80%
Mollusks	Chem properties: PCB 118 sediment	0.3641	9.78%
Smallmouth Bass	Sculpin: Dietary absorption efficiency of lipid	0.3238	8.75%
Copepods	Chem properties: PCB 118 water	0.3755	8.39%
Amphipods/Isopods	Amphipods/Isopods: Dietary absorption efficiency of lipid	0.3682	8.38%
Mollusks	Abiotic parms: Organic carbon content of sediment	-0.3358	8.32%
Phytoplankton	Abiotic parms: Concentration of DOC in water	-0.3057	8.06%
Mysids	Abiotic parms: Proportionality constant for phase partitioning of DOC	-0.3016	7.96%
Mollusks	Abiotic parms: Density of OC in sediment	0.3219	7.64%
Mysids	Abiotic parms: Concentration of DOC in water	-0.2861	7.16%
Copepods	Copepods: Lipid fraction in biota	0.3368	6.75%
Phytoplankton	Abiotic parms: Proportionality constant for phase partitioning of DOC	-0.2777	6.65%
Benthic Invertebrates	Benthic invertebrates: ED constant B	-0.2793	6.34%
Northern Pike minnow	Sculpin: Dietary absorption efficiency of lipid	0.2668	5.94%
Threespine Stickleback	Stickleback: ED constant B	-0.2580	5.66%

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Forecast	Assumption	Spearman's Rho	Contribution to variance
Amphipods/Isopods	Amphipods/Isopods: Lipid fraction in biota	0.2997	5.56%
Threespine Stickleback	Abiotic parms: Mean annual water temperature	0.2551	5.53%
Northern Pike minnow	Yellow perch large: Dietary absorption efficiency of lipid	0.2571	5.51%
Peamouth	Abiotic parms: Mean annual water temperature	0.2423	5.39%
Prickly Sculpin Large	Prickly sculpin small: Dietary absorption efficiency of lipid	0.2573	5.33%
Crayfish Large	Yellow perch large: Dietary absorption efficiency of lipid	0.2597	5.23%
Mollusks	Abiotic parms: DO concentration @ 90% saturation	-0.2586	4.93%
Mollusks	Mollusks: Fraction of respiration that involves sediment pore water	0.2582	4.92%
Smallmouth Bass	Yellow perch large: Dietary absorption efficiency of lipid	0.2377	4.72%
Prickly Sculpin Small	Prickly sculpin small: Water fraction in biota	-0.2453	4.72%
Crayfish Small	Chem properties: PCB 118 sediment	0.2443	4.69%
Prickly Sculpin Small	Prickly sculpin small: Non-lipid organic matter fraction in biota	0.2421	4.59%
Daphnia	Abiotic parms: Concentration of DOC in water	-0.2548	4.35%
Benthic Invertebrates	General Bio: Ew constant A	0.2301	4.30%
Prickly Sculpin Large	Sculpin: Water fraction in biota	-0.2310	4.30%
Threespine Stickleback	Chem properties: PCB 118 sediment	0.2243	4.28%
Mysids	Mysids: Water fraction in biota	-0.2198	4.23%
Prickly Sculpin Large	Sculpin: Non-lipid organic matter fraction in biota	0.2281	4.19%
Longfin Smelt	Chem properties: PCB 118 sediment	0.2226	4.17%
Northern Pike minnow	Abiotic parms: Mean annual water temperature	0.2232	4.15%
Crayfish Small	General Bio: Ew constant A	0.2265	4.03%
Sockeye Salmon (juv.)	Chem properties: PCB 118 water	0.2255	3.99%
Crayfish Large	Sculpin: Dietary absorption efficiency of lipid	0.2198	3.75%
Benthic Invertebrates	Abiotic parms: Mean annual water temperature	0.2136	3.71%
Longfin Smelt	General Bio: Growth rate factor fish	-0.2079	3.63%
Sockeye Salmon (juv.)	Daphnia: Water fraction in biota	0.2135	3.58%
Sockeye Salmon (juv.)	Daphnia: Non-lipid organic matter fraction in biota	-0.2129	3.56%
Longfin Smelt	Chem properties: PCB 118 water	0.2036	3.49%
Longfin Smelt	Abiotic parms: Mean annual water temperature	0.2025	3.45%
Peamouth	Chem properties: PCB 118 sediment	0.1933	3.43%
Daphnia	Abiotic parms: Proportionality constant for phase partitioning of DOC	-0.2250	3.39%
Sockeye Salmon (juv.)	Abiotic parms: Mean annual water temperature	0.2071	3.37%
Amphipods/Isopods	Chem properties: PCB 118 water	0.2321	3.33%
Yellow Perch Large	Abiotic parms: Mean annual water temperature	0.2029	3.29%
Mysids	Mysids: Non-lipid organic matter fraction in biota	0.1933	3.27%
Smallmouth Bass	Abiotic parms: Mean annual water temperature	0.1968	3.23%
Prickly Sculpin Large	Abiotic parms: Mean annual water temperature	0.1981	3.16%
Crayfish Small	Crayfish small: Lipid fraction in biota	0.1996	3.13%
Crayfish Large	Abiotic parms: Mean annual water temperature	0.1981	3.05%
Mollusks	Chem properties: PCB 118 water	0.2028	3.03%
Mysids	Abiotic parms: Disequilibrium factor for DOC partitioning in water column	-0.1852	3.00%
Longfin Smelt	Longfin smelt: Lipid fraction in biota	0.1860	2.91%
Threespine Stickleback	General Bio: Ew constant A	0.1843	2.89%
Prickly Sculpin Small	Abiotic parms: Mean annual water temperature	0.1910	2.86%
Peamouth	Benthic invertebrates: Lipid fraction in biota	0.1744	2.79%
Crayfish Large	Chem properties: PCB 118 water	0.1873	2.72%
Crayfish Large	Crayfish Large: Lipid fraction in biota	0.1860	2.68%
Threespine Stickleback	General Bio: Growth rate factor fish	-0.1772	2.67%
Sockeye Salmon (juv.)	Sockeye juvenile: Lipid fraction in biota	0.1844	2.67%
Phytoplankton	Abiotic parms: Concentration of POC in water	-0.1751	2.65%
Prickly Sculpin Small	Chem properties: PCB 118 sediment	0.1836	2.64%
Crayfish Small	Crayfish small: ED constant B	-0.1815	2.59%

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Mysids	Abiotic parms: DO concentration @ 90% saturation	-0.1704	2.54%
Benthic Invertebrates	Chem properties: PCB 118 water	0.1769	2.54%
Northern Pike minnow	Daphnia: Water fraction in biota	0.1719	2.47%
Northern Pike minnow	Sockeye juvenile: Dietary absorption efficiency of lipid	0.1708	2.43%
Benthic Invertebrates	Abiotic parms: DO concentration @ 90% saturation	0.1724	2.41%
Crayfish Large	General Bio: Ew constant A	0.1756	2.39%
Longfin Smelt	Longfin smelt: ED constant B	-0.1680	2.37%
Crayfish Large	Crayfish Large: Dietary absorption efficiency of non-lipid organic matter	0.1749	2.37%
Threespine Stickleback	Stickleback: Dietary absorption efficiency of non-lipid organic matter	0.1666	2.36%
Cutthroat Trout	Abiotic parms: Mean annual water temperature	0.1668	2.35%
Northern Pike minnow	Daphnia: Non-lipid organic matter fraction in biota	-0.1678	2.35%
Cutthroat Trout	Longfin smelt: Dietary absorption efficiency of lipid	0.1655	2.32%
Crayfish Small	Abiotic parms: DO concentration @ 90% saturation	0.1714	2.31%
Longfin Smelt	General Bio: Ew constant A	0.1634	2.24%
Peamouth	Benthic invertebrates: Dietary absorption efficiency of lipid	0.1559	2.23%
Mollusks	Abiotic parms: Concentration of DOC in water	-0.1722	2.19%
Prickly Sculpin Small	Abiotic parms: DO concentration @ 90% saturation	0.1660	2.16%
Prickly Sculpin Large	Abiotic parms: DO concentration @ 90% saturation	0.1629	2.14%
Crayfish Small	Crayfish small: Dietary absorption efficiency of non-lipid organic matter	0.1649	2.14%
Amphipods/Isopods	Abiotic parms: Proportionality constant for phase partitioning of DOC	-0.1853	2.12%
Prickly Sculpin Small	Benthic invertebrates: Dietary absorption efficiency of lipid	0.1645	2.12%
Sockeye Salmon (juv.)	General Bio: Growth rate factor fish	-0.1634	2.10%
Mysids	Abiotic parms: Concentration of POC in water	-0.1537	2.07%
Prickly Sculpin Small	General Bio: Ew constant A	0.1604	2.02%
Yellow Perch Small	Yellow perch small: Water fraction in biota	-0.1557	2.01%
Peamouth	General Bio: Ew constant A	0.1461	1.96%
Yellow Perch Large	Yellow perch small: Dietary absorption efficiency of lipid	0.1561	1.95%
Cutthroat Trout	Yellow perch large: Dietary absorption efficiency of lipid	0.1517	1.94%
Peamouth	Peamouth chub: Lipid fraction in biota	0.1446	1.92%
Yellow Perch Small	Yellow perch small: Non-lipid organic matter fraction in biota	0.1512	1.89%
Crayfish Large	Chem properties: PCB 118 sediment	0.1544	1.85%
Crayfish Small	Chem properties: PCB 118 water	0.1534	1.85%
Prickly Sculpin Large	Yellow perch small: Dietary absorption efficiency of lipid	0.1514	1.85%
Copepods	Abiotic parms: Proportionality constant for phase partitioning of DOC	-0.1737	1.80%
Cutthroat Trout	Stickleback: Dietary absorption efficiency of lipid	0.1455	1.79%
Phytoplankton	Phytoplankton: Non-lipid organic carbon fraction in plant	0.1436	1.78%
Yellow Perch Small	Daphnia: Water fraction in biota	0.1459	1.76%
Yellow Perch Small	Daphnia: Non-lipid organic matter fraction in biota	-0.1458	1.76%
Copepods	Copepods: Dietary absorption efficiency of lipid	0.1703	1.73%
Crayfish Small	General Bio: Non-lipid organic matter – octanol proportionality constant	0.1478	1.72%
Mysids	Abiotic parms: Proportionality constant for phase partitioning of POC	-0.1399	1.71%
Threespine Stickleback	Stickleback: Lipid fraction in biota	0.1419	1.71%
Daphnia	Abiotic parms: Disequilibrium factor for DOC partitioning in water column	-0.1597	1.71%
Cutthroat Trout	Cutthroat trout: Dietary absorption efficiency of non-lipid organic matter	0.1417	1.70%
Threespine Stickleback	Daphnia: Non-lipid organic matter fraction in biota	-0.1413	1.70%
Yellow Perch Large	Yellow perch large: Lipid fraction in biota	0.1453	1.69%
Threespine Stickleback	Daphnia: Water fraction in biota	0.1410	1.69%
Longfin Smelt	Daphnia: Water fraction in biota	0.1409	1.67%
Longfin Smelt	Abiotic parms: DO concentration @ 90% saturation	0.1405	1.66%
Longfin Smelt	Daphnia: Non-lipid organic matter fraction in biota	-0.1397	1.64%
Phytoplankton	Abiotic parms: Disequilibrium factor for DOC partitioning in water column	-0.1376	1.63%

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Forecast	Assumption	Spearman's Rho	Contribution to variance
Cutthroat Trout	General Bio: Growth rate factor fish	-0.1387	1.63%
Smallmouth Bass	Sockeye juvenile: Dietary absorption efficiency of lipid	0.1395	1.62%
Sockeye Salmon (juv.)	Abiotic parms: Proportionality constant for phase partitioning of DOC	-0.1432	1.61%
Smallmouth Bass	Smallmouth bass: Lipid fraction in biota	0.1386	1.60%
Crayfish Small	Benthic invertebrates: Dietary absorption efficiency of lipid	0.1425	1.59%
Yellow Perch Large	Sockeye juvenile: Dietary absorption efficiency of lipid	0.1411	1.59%
Threespine Stickleback	Abiotic parms: Concentration of DOC in water	-0.1364	1.58%
Prickly Sculpin Small	Benthic invertebrates: ED constant B	-0.1411	1.56%
Yellow Perch Small	Yellow perch small: Lipid fraction in biota	0.1367	1.55%
Copepods	Abiotic parms: Concentration of DOC in water	-0.1606	1.53%
Mollusks	General Bio: Growth rate factor invert	-0.1434	1.52%
Mollusks	Abiotic parms: Proportionality constant for phase partitioning of DOC	-0.1433	1.52%
Threespine Stickleback	Benthic invertebrates: Lipid fraction in biota	0.1325	1.49%
Longfin Smelt	Abiotic parms: Proportionality constant for phase partitioning of DOC	-0.1327	1.48%
Prickly Sculpin Small	Chem properties: PCB 118 water	0.1371	1.47%
Prickly Sculpin Small	Prickly sculpin small: Lipid fraction in biota	0.1365	1.46%
Threespine Stickleback	Abiotic parms: DO concentration @ 90% saturation	0.1305	1.45%
Benthic Invertebrates	Benthic invertebrates: Dietary absorption efficiency of non-lipid organic matter	0.1319	1.41%
Peamouth	Peamouth chub: ED constant B	-0.1239	1.41%
Yellow Perch Large	Daphnia: Water fraction in biota	0.1323	1.40%
Smallmouth Bass	Prickly sculpin small: Dietary absorption efficiency of lipid	0.1283	1.38%
Benthic Invertebrates	Abiotic parms: Proportionality constant for phase partitioning of DOC	-0.1297	1.37%
Crayfish Large	Abiotic parms: DO concentration @ 90% saturation	0.1325	1.36%
Threespine Stickleback	Chem properties: PCB 118 water	0.1264	1.36%
Northern Pike minnow	Longfin smelt: Dietary absorption efficiency of lipid	0.1267	1.34%
Amphipods/Isopods	General Bio: Ew constant A	0.1471	1.34%
Cutthroat Trout	Chem properties: PCB 118 sediment	0.1256	1.33%
Smallmouth Bass	General Bio: Growth rate factor fish	-0.1244	1.29%
Prickly Sculpin Large	Sculpin: Dietary absorption efficiency of non-lipid organic matter	0.1262	1.28%
Crayfish Small	Abiotic parms: Mean annual water temperature	0.1277	1.28%
Smallmouth Bass	Daphnia: Water fraction in biota	0.1232	1.27%
Cutthroat Trout	Sculpin: Dietary absorption efficiency of lipid	0.1225	1.27%
Yellow Perch Large	Daphnia: Non-lipid organic matter fraction in biota	-0.1256	1.26%
Cutthroat Trout	General Bio: Ew constant A	0.1219	1.26%
Peamouth	General Bio: Growth rate factor fish	-0.1168	1.25%
Prickly Sculpin Large	Sockeye juvenile: Dietary absorption efficiency of lipid	0.1244	1.25%
Peamouth	Peamouth chub: Dietary absorption efficiency of non-lipid organic matter	0.1159	1.23%
Longfin Smelt	Longfin smelt: Dietary absorption efficiency of non-lipid organic matter	0.1206	1.22%
Yellow Perch Large	General Bio: Growth rate factor fish	-0.1234	1.22%
Peamouth	Benthic invertebrates: ED constant B	-0.1152	1.22%
Crayfish Small	Abiotic parms: Concentration of DOC in water	-0.1234	1.20%
Peamouth	Chem properties: PCB 118 water	0.1139	1.19%
Phytoplankton	Abiotic parms: Proportionality constant for phase partitioning of POC	-0.1170	1.18%
Benthic Invertebrates	Abiotic parms: Organic carbon content of sediment	-0.1193	1.16%
Smallmouth Bass	Daphnia: Non-lipid organic matter fraction in biota	-0.1171	1.15%
Smallmouth Bass	Stickleback: Dietary absorption efficiency of lipid	0.1165	1.13%
Sockeye Salmon (juv.)	Sockeye juvenile: ED constant B	-0.1200	1.13%
Amphipods/Isopods	Phytoplankton: Aqueous phase resistance constant	-0.1342	1.11%
Prickly Sculpin Large	General Bio: Ew constant A	0.1173	1.11%
Mollusks	General Bio: Non-lipid organic matter – octanol proportionality constant	0.1225	1.11%
Yellow Perch Large	Prickly sculpin small: Dietary absorption efficiency of lipid	0.1167	1.09%

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Forecast	Assumption	Spearman's Rho	Contribution to variance
Yellow Perch Small	Chem properties: PCB 118 water	0.1145	1.08%
Northern Pike minnow	General Bio: Ew constant A	0.1135	1.07%
Smallmouth Bass	Benthic invertebrates: Lipid fraction in biota	0.1119	1.05%
Yellow Perch Large	Chem properties: PCB 118 sediment	0.1142	1.04%
Prickly Sculpin Large	Sculpin: Lipid fraction in biota	0.1138	1.04%
Sockeye Salmon (juv.)	Benthic invertebrates: Lipid fraction in biota	0.1151	1.04%
Crayfish Large	Phytoplankton: Lipid fraction in plant	-0.1151	1.03%
Crayfish Small	Benthic invertebrates: Water fraction in biota	-0.1138	1.02%
Smallmouth Bass	Chem properties: PCB 118 water	0.1104	1.02%
Peamouth	Abiotic parms: Organic carbon content of sediment	-0.1052	1.02%
Prickly Sculpin Large	Daphnia: Water fraction in biota	0.1120	1.01%
Mollusks	General Bio: Ew constant A	-0.1170	1.01%
Crayfish Small	Benthic invertebrates: Non-lipid organic matter fraction in biota	0.1123	0.99%
Threespine Stickleback	Stickleback: Water fraction in biota	-0.1075	0.98%
Mollusks	Abiotic parms: Disequilibrium factor for DOC partitioning in water column	-0.1147	0.97%
Northern Pike minnow	Chem properties: PCB 118 water	0.1068	0.95%
Longfin Smelt	Benthic invertebrates: Lipid fraction in biota	0.1058	0.94%
Prickly Sculpin Small	Abiotic parms: Proportionality constant for phase partitioning of DOC	-0.1092	0.93%
Sockeye Salmon (juv.)	General Bio: Ew constant A	0.1080	0.92%
Prickly Sculpin Large	Daphnia: Non-lipid organic matter fraction in biota	-0.1066	0.91%
Benthic Invertebrates	General Bio: Non-lipid organic matter – octanol proportionality constant	0.1059	0.91%
Benthic Invertebrates	Abiotic parms: Concentration of DOC in water	-0.1054	0.90%
Cutthroat Trout	Sockeye juvenile: Dietary absorption efficiency of lipid	0.1027	0.89%
Crayfish Small	Phytoplankton: Lipid fraction in plant	-0.1064	0.89%
Amphipods/Isopods	Abiotic parms: Concentration of DOC in water	-0.1198	0.89%
Prickly Sculpin Large	Benthic invertebrates: Lipid fraction in biota	0.1047	0.88%
Northern Pike minnow	General Bio: Growth rate factor fish	-0.1026	0.88%
Yellow Perch Small	Mysids: Water fraction in biota	0.1030	0.88%
Yellow Perch Small	Mysids: Non-lipid organic matter fraction in biota	-0.1025	0.87%
Crayfish Large	Abiotic parms: Proportionality constant for phase partitioning of DOC	-0.1058	0.87%
Crayfish Large	Crayfish small: Wet weight of the organism	0.1050	0.86%
Smallmouth Bass	Chem properties: PCB 118 sediment	0.1010	0.85%
Yellow Perch Large	Yellow perch large: Wet weight of the organism	0.1030	0.85%
Crayfish Small	Abiotic parms: Proportionality constant for phase partitioning of DOC	-0.1038	0.85%
Yellow Perch Large	Longfin smelt: Dietary absorption efficiency of lipid	0.1028	0.85%
Yellow Perch Large	Abiotic parms: Proportionality constant for phase partitioning of DOC	-0.1027	0.84%
Smallmouth Bass	Mysids: Non-lipid organic matter fraction in biota	-0.1003	0.84%
Smallmouth Bass	Mysids: Water fraction in biota	0.1001	0.84%
Northern Pike minnow	Northern pike minnow: Dietary absorption efficiency of non-lipid organic matter	0.0996	0.83%
Threespine Stickleback	Benthic invertebrates: Dietary absorption efficiency of lipid	0.0984	0.82%
Crayfish Large	Sockeye juvenile: Dietary absorption efficiency of lipid	0.1028	0.82%
Northern Pike minnow	Northern pike minnow: Lipid fraction in biota	0.0987	0.81%
Threespine Stickleback	Stickleback: Non-lipid organic matter fraction in biota	0.0969	0.80%
Peamouth	Abiotic parms: Concentration of DOC in water	-0.0931	0.80%
Mysids	Mysids: Dietary absorption efficiency of lipid	0.0944	0.78%
Prickly Sculpin Small	General Bio: Growth rate factor fish	-0.0987	0.76%
Crayfish Large	Benthic invertebrates: ED constant B	-0.0991	0.76%
Longfin Smelt	Benthic invertebrates: ED constant B	-0.0949	0.76%
Daphnia	Abiotic parms: DO concentration @ 90% saturation	-0.1058	0.75%
Smallmouth Bass	Abiotic parms: DO concentration @ 90% saturation	0.0946	0.75%

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Yellow Perch Small	Yellow perch small:Dietary absorption efficiency of non-lipid organic matter	0.0949	0.74%
Benthic Invertebrates	Benthic invertebrates: Fraction of respiration that involves sediment pore water	0.0957	0.74%
Threespine Stickleback	Benthic invertebrates: ED constant B	-0.0935	0.74%
Crayfish Large	Daphnia: Water fraction in biota	0.0978	0.74%
Daphnia	Prickly sculpin small: Non-lipid organic matter fraction in biota	0.1051	0.74%
Mysids	Yellow perch large: Lipid fraction in biota	-0.0917	0.74%
Crayfish Large	Benthic invertebrates: Dietary absorption efficiency of non-lipid organic matter	0.0974	0.74%
Yellow Perch Small	Phytoplankton: Organic phase resistance constant	0.0943	0.73%
Daphnia	Prickly sculpin small: Water fraction in biota	-0.1043	0.73%
Sockeye Salmon (juv.)	Abiotic parms: DO concentration @ 90% saturation	0.0962	0.73%
Northern Pike minnow	Stickleback: Dietary absorption efficiency of lipid	0.0931	0.72%
Cutthroat Trout	Abiotic parms: DO concentration @ 90% saturation	0.0923	0.72%
Sockeye Salmon (juv.)	Abiotic parms: Concentration of DOC in water	-0.0949	0.71%
Threespine Stickleback	Abiotic parms: Concentration of POC in water	-0.0906	0.70%
Northern Pike minnow	Yellow perch small:Dietary absorption efficiency of lipid	0.0914	0.70%
Threespine Stickleback	Benthic invertebrates: Water fraction in biota	-0.0902	0.69%
Daphnia	Abiotic parms: Concentration of POC in water	-0.1012	0.68%
Mollusks	Yellow perch large: Dietary absorption efficiency of lipid	0.0961	0.68%
Yellow Perch Large	Abiotic parms: Concentration of POC in water	-0.0921	0.68%
Threespine Stickleback	Copepods: Non-lipid organic matter fraction in biota	-0.0890	0.67%
Threespine Stickleback	Copepods: Water fraction in biota	0.0890	0.67%
Crayfish Large	Benthic invertebrates: Dietary absorption efficiency of lipid	0.0930	0.67%
Prickly Sculpin Small	Prickly sculpin small: Dietary absorption efficiency of non-lipid organic matter	0.0925	0.67%
Smallmouth Bass	Abiotic parms: Organic carbon content of sediment	-0.0896	0.67%
Prickly Sculpin Large	Chem properties: PCB 118 sediment	0.0910	0.67%
Phytoplankton	Mollusks: Lipid fraction in biota	-0.0878	0.66%
Mysids	Sculpin: ED constant A	0.0869	0.66%
Yellow Perch Small	Mysids: ED constant B	-0.0893	0.66%
Prickly Sculpin Large	Abiotic parms: Organic carbon content of sediment	-0.0904	0.66%
Cutthroat Trout	Amphipods/Isopods: Fraction of respiration that involves sediment pore water	-0.0879	0.65%
Yellow Perch Small	Crayfish Large: ED constant A	-0.0889	0.65%
Crayfish Large	Daphnia: Non-lipid organic matter fraction in biota	-0.0915	0.65%
Yellow Perch Large	Sculpin: Dietary absorption efficiency of non-lipid organic matter	0.0899	0.65%
Yellow Perch Small	General Bio: Growth rate factor fish	-0.0880	0.64%
Threespine Stickleback	Abiotic parms: Proportionality constant for phase partitioning of DOC	-0.0867	0.64%
Crayfish Large	Crayfish Large: ED constant B	-0.0907	0.64%
Peamouth	Abiotic parms: DO concentration @ 90% saturation	0.0830	0.63%
Copepods	General Bio: Ew constant A	0.1030	0.63%
Yellow Perch Large	Benthic invertebrates: Dietary absorption efficiency of non-lipid organic matter	0.0884	0.63%
Copepods	Abiotic parms: DO concentration @ 90% saturation	0.1025	0.63%
Mysids	Prickly sculpin small: Non-lipid organic matter fraction in biota	0.0845	0.62%
Mysids	Prickly sculpin small: Water fraction in biota	-0.0843	0.62%
Northern Pike minnow	Abiotic parms: DO concentration @ 90% saturation	0.0863	0.62%
Yellow Perch Large	Benthic invertebrates: ED constant B	-0.0879	0.62%
Prickly Sculpin Large	Amphipods/Isopods: Non-lipid organic matter fraction in biota	-0.0876	0.62%
Prickly Sculpin Large	Chem properties: PCB 118 water	0.0873	0.61%
Threespine Stickleback	Benthic invertebrates: Non-lipid organic matter fraction in biota	0.0850	0.61%
Crayfish Small	Abiotic parms: Organic carbon content of sediment	-0.0884	0.61%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Prickly Sculpin Large	Amphipods/Isopods: Water fraction in biota	0.0870	0.61%
Smallmouth Bass	Northern pikeminnow: Dietary absorption efficiency of non-lipid organic matter	0.0852	0.61%
Sockeye Salmon (juv.)	Crayfish small: Wet weight of the organism	0.0878	0.61%
Yellow Perch Large	Yellow perch large: Water fraction in biota	-0.0867	0.60%
Mollusks	Abiotic parms: Concentration of POC in water	-0.0903	0.60%
Longfin Smelt	Mysids: Water fraction in biota	0.0845	0.60%
Smallmouth Bass	Yellow perch small:Dietary absorption efficiency of lipid	0.0846	0.60%
Northern Pikeminnow	Chem properties: PCB 118 sediment	0.0846	0.60%
Crayfish Large	General Bio: Non-lipid organic matter – octanol proportionality constant	0.0875	0.59%
Prickly Sculpin Small	Benthic invertebrates: Fraction of respiration that involves sediment pore water	0.0870	0.59%
Yellow Perch Large	Sculpin: Lipid fraction in biota	0.0860	0.59%
Sockeye Salmon (juv.)	Sockeye juvenile: Water fraction in biota	-0.0866	0.59%
Threespine Stickleback	Abiotic parms: Disequilibrium factor for DOC partitioning in water column	-0.0832	0.59%
Prickly Sculpin Small	Yellow perch small:Dietary absorption efficiency of lipid	0.0866	0.59%
Crayfish Large	Phytoplankton: Water fraction in plant	-0.0870	0.59%
Mysids	General Bio: Ew constant A	-0.0817	0.58%
Mollusks	Stickleback: Non-lipid organic matter fraction in biota	-0.0888	0.58%
Crayfish Large	Abiotic parms: Organic carbon content of sediment	-0.0866	0.58%
Threespine Stickleback	Crayfish Large: Dietary absorption efficiency of water	-0.0827	0.58%
Sockeye Salmon (juv.)	Chem properties: PCB 118 sediment	0.0860	0.58%
Longfin Smelt	Mysids: Non-lipid organic matter fraction in biota	-0.0828	0.58%
Northern Pikeminnow	Crayfish Large: Lipid fraction in biota	-0.0828	0.57%
Mollusks	Stickleback: Water fraction in biota	0.0877	0.57%
Prickly Sculpin Large	General Bio: Growth rate factor fish	-0.0838	0.57%
Cutthroat Trout	Daphnia: Water fraction in biota	0.0816	0.56%
Sockeye Salmon (juv.)	Amphipods/Isopods: Wet weight of the organism	0.0846	0.56%
Cutthroat Trout	Yellow perch small:ED constant B	0.0815	0.56%
Yellow Perch Large	Mysids: Non-lipid organic matter fraction in biota	-0.0836	0.56%
Crayfish Large	Prickly sculpin small: Dietary absorption efficiency of lipid	0.0849	0.56%
Northern Pikeminnow	Benthic invertebrates: Dietary absorption efficiency of lipid	0.0818	0.56%
Crayfish Small	Longfin smelt: Dietary absorption efficiency of lipid	0.0842	0.56%
Crayfish Large	Benthic invertebrates: Lipid fraction in biota	0.0844	0.55%
Threespine Stickleback	General Bio: Non-lipid organic matter – octanol proportionality constant	0.0804	0.55%
Longfin Smelt	Copepods: Non-lipid organic matter fraction in biota	-0.0806	0.55%
Northern Pikeminnow	Sockeye juvenile: Dietary absorption efficiency of water	-0.0807	0.54%
Copepods	Phytoplankton: Growth rate constant	-0.0955	0.54%
Yellow Perch Small	General Bio: Metabolic transformation rate	0.0810	0.54%
Cutthroat Trout	Phytoplankton: Organic phase resistance constant	0.0798	0.54%
Prickly Sculpin Small	Prickly sculpin small: ED constant B	-0.0828	0.54%
Yellow Perch Small	Chem properties: PCB 118 sediment	0.0805	0.54%
Prickly Sculpin Large	Abiotic parms: Proportionality constant for phase partitioning of DOC	-0.0814	0.53%
Longfin Smelt	Copepods: Water fraction in biota	0.0795	0.53%
Yellow Perch Large	Mysids: Water fraction in biota	0.0814	0.53%
Crayfish Small	Prickly sculpin small: Fraction of respiration that involves sediment pore water	-0.0821	0.53%
Amphipods/Isopods	Chem properties: PCB 118 sediment	0.0925	0.53%
Crayfish Small	Crayfish small: Wet weight of the organism	0.0820	0.53%
Northern Pikeminnow	Benthic invertebrates: Lipid fraction in biota	0.0794	0.53%
Prickly Sculpin Small	Longfin smelt: Wet weight of the organism	0.0819	0.53%
Crayfish Large	Mysids: Water fraction in biota	0.0823	0.53%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Phytoplankton	Yellow perch large: Lipid fraction in biota	-0.0780	0.53%
Cutthroat Trout	Daphnia: Non-lipid organic matter fraction in biota	-0.0788	0.53%
Crayfish Large	Mysids: Non-lipid organic matter fraction in biota	-0.0822	0.52%
Longfin Smelt	Northern pikeminnow: Dietary absorption efficiency of water	0.0789	0.52%
Crayfish Small	Abiotic parms: Proportionality constant for phase partitioning of POC	-0.0814	0.52%
Crayfish Small	Sculpin: ED constant A	0.0814	0.52%
Copepods	Abiotic parms: Proportionality constant for phase partitioning of POC	-0.0935	0.52%
Crayfish Small	Benthic invertebrates: ED constant B	-0.0810	0.52%
Crayfish Small	Crayfish small: ED constant A	-0.0809	0.51%
Smallmouth Bass	Longfin smelt: Dietary absorption efficiency of water	0.0781	0.51%
Peamouth	Peamouth chub: ED constant A	-0.0743	0.51%
Crayfish Large	General Bio: Growth rate factor fish	-0.0808	0.51%
Smallmouth Bass	Benthic invertebrates: ED constant B	-0.0778	0.51%
Prickly Sculpin Small	Daphnia: Dietary absorption efficiency of non-lipid organic matter	-0.0803	0.51%
Prickly Sculpin Small	Crayfish small: Wet weight of the organism	0.0800	0.50%
Longfin Smelt	Abiotic parms: Concentration of POC in water	-0.0771	0.50%
Daphnia	Abiotic parms: Mean annual water temperature	-0.0861	0.50%
Benthic Invertebrates	Prickly sculpin small: Dietary absorption efficiency of lipid	0.0777	0.49%
Amphipods/Isopods	Abiotic parms: Disequilibrium factor for DOC partitioning in water column	-0.0890	0.49%
Prickly Sculpin Large	Benthic invertebrates: ED constant A	0.0780	0.49%
Northern Pikeminnow	Stickleback: Lipid fraction in biota	-0.0764	0.49%
Benthic Invertebrates	Yellow perch small:Dietary absorption efficiency of lipid	-0.0771	0.48%
Yellow Perch Large	Crayfish small: ED constant A	0.0775	0.48%
Daphnia	Phytoplankton: Aqueous phase resistance constant	-0.0844	0.48%
Cutthroat Trout	Benthic invertebrates: Dietary absorption efficiency of water	-0.0750	0.48%
Threespine Stickleback	Mysids: Dietary absorption efficiency of non-lipid organic matter	-0.0747	0.47%
Phytoplankton	Yellow perch small:Fraction of respiration that involves sediment pore water	-0.0742	0.47%
Northern Pikeminnow	Northern pikeminnow: Water fraction in biota	-0.0754	0.47%
Amphipods/Isopods	Crayfish Large: Wet weight of the organism	-0.0872	0.47%
Northern Pikeminnow	Benthic invertebrates: Wet weight of the organism	0.0751	0.47%
Yellow Perch Large	Abiotic parms: DO concentration @ 90% saturation	0.0766	0.47%
Yellow Perch Large	Yellow perch large: ED constant B	-0.0765	0.47%
Prickly Sculpin Large	Amphipods/Isopods: Dietary absorption efficiency of water	-0.0761	0.47%
Longfin Smelt	Prickly sculpin small: Dietary absorption efficiency of lipid	0.0744	0.47%
Crayfish Large	Daphnia: Dietary absorption efficiency of non-lipid organic matter	-0.0773	0.46%
Cutthroat Trout	Abiotic parms: Concentration of POC in water	-0.0740	0.46%
Longfin Smelt	Benthic invertebrates: Water fraction in biota	-0.0742	0.46%
Northern Pikeminnow	Prickly sculpin small: Dietary absorption efficiency of lipid	0.0744	0.46%
Peamouth	Sockeye juvenile: Non-lipid organic matter fraction in biota	0.0709	0.46%
Yellow Perch Large	Smallmouth bass: Non-lipid organic matter fraction in biota	-0.0759	0.46%
Peamouth	Crayfish small: Wet weight of the organism	0.0708	0.46%
Copepods	Copepods: ED constant B	-0.0879	0.46%
Amphipods/Isopods	Amphipods/Isopods: ED constant B	-0.0860	0.46%
Northern Pikeminnow	Abiotic parms: Proportionality constant for phase partitioning of DOC	-0.0740	0.46%
Yellow Perch Large	Peamouth chub: Lipid fraction in biota	-0.0756	0.46%
Prickly Sculpin Large	Benthic invertebrates: ED constant B	-0.0753	0.46%
Yellow Perch Large	General Bio: Ew constant A	0.0755	0.46%
Prickly Sculpin Small	Sockeye juvenile: Dietary absorption efficiency of non-lipid organic matter	0.0762	0.45%
Yellow Perch Large	Yellow perch large: Non-lipid organic matter fraction in biota	0.0753	0.45%
Sockeye Salmon (juv.)	Stickleback: Lipid fraction in biota	-0.0760	0.45%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Yellow Perch Small	Prickly sculpin small: Dietary absorption efficiency of lipid	0.0740	0.45%
Cutthroat Trout	Cutthroat trout: Lipid fraction in biota	0.0731	0.45%
Phytoplankton	Crayfish Large: Dietary absorption efficiency of non-lipid organic matter	0.0722	0.45%
Smallmouth Bass	Sculpin: ED constant B	-0.0734	0.45%
Peamouth	Sockeye juvenile: Water fraction in biota	-0.0700	0.45%
Prickly Sculpin Small	Benthic invertebrates: Dietary absorption efficiency of non-lipid organic matter	0.0757	0.45%
Daphnia	Abiotic parms: Proportionality constant for phase partitioning of POC	-0.0818	0.45%
Yellow Perch Large	Smallmouth bass: Water fraction in biota	0.0747	0.45%
Sockeye Salmon (juv.)	Sockeye juvenile: Non-lipid organic matter fraction in biota	0.0751	0.44%
Crayfish Small	Abiotic parms: Disequilibrium factor for DOC partitioning in water column	-0.0750	0.44%
Longfin Smelt	Longfin smelt: Water fraction in biota	-0.0725	0.44%
Mollusks	Abiotic parms: Proportionality constant for phase partitioning of POC	-0.0773	0.44%
Amphipods/Isopods	Abiotic parms: DO concentration @ 90% saturation	0.0838	0.43%
Threespine Stickleback	Northern pikeminnow: Dietary absorption efficiency of water	0.0714	0.43%
Sockeye Salmon (juv.)	Sockeye juvenile: Dietary absorption efficiency of non-lipid organic matter	0.0743	0.43%
Prickly Sculpin Large	Crayfish Large: Lipid fraction in biota	-0.0732	0.43%
Yellow Perch Large	Abiotic parms: Organic carbon content of sediment	-0.0734	0.43%
Longfin Smelt	Mysids: Dietary absorption efficiency of water	-0.0714	0.43%
Mysids	Phytoplankton: Water fraction in plant	-0.0699	0.43%
Smallmouth Bass	Copepods: Wet weight of the organism	-0.0716	0.43%
Amphipods/Isopods	Daphnia: Lipid fraction in biota	0.0830	0.43%
Yellow Perch Large	Mollusks: Lipid fraction in biota	0.0728	0.42%
Cutthroat Trout	Copepods: Lipid fraction in biota	0.0709	0.42%
Prickly Sculpin Large	Mysids: Non-lipid organic matter fraction in biota	-0.0726	0.42%
Mysids	Yellow perch large: Dietary absorption efficiency of lipid	0.0696	0.42%
Prickly Sculpin Large	Mysids: Water fraction in biota	0.0724	0.42%
Threespine Stickleback	Stickleback: ED constant A	-0.0704	0.42%
Longfin Smelt	Benthic invertebrates: Non-lipid organic matter fraction in biota	0.0707	0.42%
Copepods	Sculpin: ED constant B	0.0838	0.42%
Threespine Stickleback	Crayfish small: Dietary absorption efficiency of lipid	-0.0701	0.42%
Cutthroat Trout	Benthic invertebrates: ED constant B	-0.0702	0.42%
Yellow Perch Large	Chem properties: PCB 118 water	0.0722	0.42%
Yellow Perch Large	Benthic invertebrates: Lipid fraction in biota	0.0720	0.42%
Benthic Invertebrates	Prickly sculpin small: ED constant B	0.0714	0.41%
Yellow Perch Large	Yellow perch large: Dietary absorption efficiency of non-lipid organic matter	0.0719	0.41%
Mysids	Mysids: Wet weight of the organism	-0.0687	0.41%
Mysids	Cutthroat trout: Water fraction in biota	0.0685	0.41%
Cutthroat Trout	Mollusks: ED constant B	-0.0696	0.41%
Mollusks	Sockeye juvenile: Lipid fraction in biota	-0.0745	0.41%
Daphnia	Sculpin: Dietary absorption efficiency of water	0.0781	0.41%
Benthic Invertebrates	Longfin smelt: Wet weight of the organism	0.0704	0.40%
Mysids	Stickleback: Water fraction in biota	0.0677	0.40%
Longfin Smelt	Crayfish small: ED constant B	-0.0690	0.40%
Cutthroat Trout	Yellow perch small: Lipid fraction in biota	-0.0689	0.40%
Prickly Sculpin Small	Longfin smelt: Dietary absorption efficiency of water	0.0715	0.40%
Copepods	Crayfish Large: Dietary absorption efficiency of non-lipid organic matter	0.0820	0.40%
Yellow Perch Large	Benthic invertebrates: Dietary absorption efficiency of lipid	0.0707	0.40%
Yellow Perch Small	Phytoplankton: Water fraction in plant	-0.0694	0.40%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Prickly Sculpin Large	Benthic invertebrates: Dietary absorption efficiency of non-lipid organic matter	0.0702	0.40%
Peamouth	Mollusks: Non-lipid organic matter fraction in biota	-0.0657	0.40%
Crayfish Large	Phytoplankton: Growth rate constant	-0.0713	0.39%
Threespine Stickleback	Crayfish small: ED constant B	-0.0681	0.39%
Benthic Invertebrates	Peamouth chub: ED constant B	0.0695	0.39%
Phytoplankton	Smallmouth bass: Dietary absorption efficiency of non-lipid organic matter	-0.0674	0.39%
Peamouth	Mollusks: Water fraction in biota	0.0651	0.39%
Smallmouth Bass	Stickleback: ED constant B	-0.0682	0.39%
Mollusks	Benthic invertebrates: Dietary absorption efficiency of water	-0.0724	0.39%
Daphnia	Cutthroat trout: Water fraction in biota	0.0760	0.39%
Peamouth	Abiotic parms: Concentration of POC in water	-0.0648	0.39%
Crayfish Large	Phytoplankton: Aqueous phase resistance constant	-0.0705	0.39%
Mysids	Stickleback: Non-lipid organic matter fraction in biota	-0.0663	0.39%
Prickly Sculpin Large	Phytoplankton: Organic phase resistance constant	0.0691	0.38%
Phytoplankton	Crayfish small: Wet weight of the organism	0.0667	0.38%
Prickly Sculpin Large	Benthic invertebrates: Fraction of respiration that involves sediment pore water	0.0690	0.38%
Daphnia	Crayfish Large: ED constant A	-0.0756	0.38%
Peamouth	Peamouth chub: Water fraction in biota	-0.0646	0.38%
Longfin Smelt	Amphipods/Isopods: Dietary absorption efficiency of lipid	0.0674	0.38%
Amphipods/Isopods	Crayfish small: Wet weight of the organism	0.0786	0.38%
Copepods	Abiotic parms: Concentration of POC in water	-0.0801	0.38%
Mysids	General Bio: Growth rate factor invert	-0.0661	0.38%
Sockeye Salmon (juv.)	Crayfish small: Lipid fraction in biota	-0.0696	0.38%
Mollusks	Chem properties: LeBas molar volume	-0.0718	0.38%
Yellow Perch Large	Crayfish small: Wet weight of the organism	0.0689	0.38%
Mysids	Abiotic parms: Concentration of suspended solids	0.0659	0.38%
Phytoplankton	Crayfish small: Non-lipid organic matter fraction in biota	0.0663	0.38%
Amphipods/Isopods	General Bio: Particle scavenging efficiency	-0.0782	0.38%
Smallmouth Bass	Yellow perch large: ED constant A	-0.0672	0.38%
Yellow Perch Small	Abiotic parms: Concentration of DOC in water	-0.0674	0.38%
Sockeye Salmon (juv.)	Benthic invertebrates: Dietary absorption efficiency of non-lipid organic matter	0.0692	0.38%
Daphnia	Cutthroat trout: Non-lipid organic matter fraction in biota	-0.0749	0.38%
Amphipods/Isopods	Abiotic parms: Disequilibrium factor for POC partitioning in water column	-0.0778	0.37%
Crayfish Large	Peamouth chub: Dietary absorption efficiency of lipid	0.0694	0.37%
Crayfish Small	Benthic invertebrates: Dietary absorption efficiency of non-lipid organic matter	0.0690	0.37%
Crayfish Small	Yellow perch small: Dietary absorption efficiency of lipid	-0.0689	0.37%
Benthic Invertebrates	Crayfish small: Wet weight of the organism	0.0677	0.37%
Prickly Sculpin Large	Prickly sculpin small: Dietary absorption efficiency of non-lipid organic matter	0.0678	0.37%
Peamouth	Stickleback: ED constant B	-0.0635	0.37%
Longfin Smelt	Mysids: Wet weight of the organism	-0.0663	0.37%
Phytoplankton	Crayfish small: Water fraction in biota	-0.0654	0.37%
Prickly Sculpin Small	Daphnia: Lipid fraction in biota	-0.0686	0.37%
Peamouth	Benthic invertebrates: Fraction of respiration that involves sediment pore water	0.0633	0.37%
Sockeye Salmon (juv.)	Copepods: Non-lipid organic matter fraction in biota	-0.0684	0.37%
Prickly Sculpin Small	Amphipods/Isopods: Dietary absorption efficiency of lipid	0.0684	0.37%
Threespine Stickleback	Prickly sculpin small: Dietary absorption efficiency of lipid	0.0654	0.36%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Northern Pikeminnow	Mysids: Non-lipid organic matter fraction in biota	-0.0660	0.36%
Sockeye Salmon (juv.)	Yellow perch large: Dietary absorption efficiency of water	0.0680	0.36%
Copepods	General Bio: Non-lipid organic matter – octanol proportionality constant	0.0780	0.36%
Yellow Perch Small	Abiotic parms: Concentration of POC in water	-0.0662	0.36%
Copepods	Abiotic parms: Disequilibrium factor for DOC partitioning in water column	-0.0778	0.36%
Copepods	Daphnia: Dietary absorption efficiency of lipid	0.0777	0.36%
Longfin Smelt	Peamouth chub: Dietary absorption efficiency of lipid	-0.0654	0.36%
Mysids	Cutthroat trout: Non-lipid organic matter fraction in biota	-0.0641	0.36%
Sockeye Salmon (juv.)	Copepods: Water fraction in biota	0.0675	0.36%
Longfin Smelt	Abiotic parms: Density of OC in sediment	-0.0652	0.36%
Prickly Sculpin Small	Benthic invertebrates: Lipid fraction in biota	0.0676	0.36%
Smallmouth Bass	Crayfish Large: Non-lipid organic matter fraction in biota	-0.0654	0.36%
Northern Pikeminnow	Northern pikeminnow: Non-lipid organic matter fraction in biota	0.0655	0.36%
Yellow Perch Small	Benthic invertebrates: Lipid fraction in biota	0.0655	0.35%
Prickly Sculpin Small	Abiotic parms: Organic carbon content of sediment	-0.0672	0.35%
Smallmouth Bass	Sockeye juvenile: Non-lipid organic matter fraction in biota	-0.0651	0.35%
Yellow Perch Small	Abiotic parms: Proportionality constant for phase partitioning of DOC	-0.0654	0.35%
Benthic Invertebrates	Northern pikeminnow: Dietary absorption efficiency of water	0.0659	0.35%
Benthic Invertebrates	Yellow perch large: Dietary absorption efficiency of lipid	0.0659	0.35%
Longfin Smelt	Yellow perch large: ED constant B	-0.0647	0.35%
Northern Pikeminnow	Abiotic parms: Organic carbon content of sediment	-0.0648	0.35%
Crayfish Small	Benthic invertebrates: Lipid fraction in biota	0.0667	0.35%
Smallmouth Bass	Sockeye juvenile: Water fraction in biota	0.0647	0.35%
Smallmouth Bass	Crayfish small: Non-lipid organic matter fraction in biota	-0.0645	0.35%
Peamouth	Prickly sculpin small: Dietary absorption efficiency of lipid	0.0615	0.35%
Prickly Sculpin Small	Crayfish Large: ED constant B	0.0665	0.35%
Smallmouth Bass	Crayfish small: Water fraction in biota	0.0643	0.35%
Smallmouth Bass	Crayfish Large: Water fraction in biota	0.0643	0.34%
Cutthroat Trout	Chem properties: PCB 118 water	0.0637	0.34%
Longfin Smelt	Amphipods/Isopods: ED constant A	-0.0637	0.34%
Cutthroat Trout	Daphnia: Lipid fraction in biota	-0.0634	0.34%
Northern Pikeminnow	Mollusks: ED constant A	0.0638	0.34%
Yellow Perch Large	Crayfish Large: Lipid fraction in biota	-0.0651	0.34%
Northern Pikeminnow	Yellow perch small: Lipid fraction in biota	-0.0637	0.34%
Peamouth	Yellow perch large: Dietary absorption efficiency of lipid	0.0607	0.34%
Threespine Stickleback	Mysids: Dietary absorption efficiency of water	-0.0630	0.34%
Mysids	Daphnia: Wet weight of the organism	-0.0619	0.34%
Peamouth	Northern pikeminnow: ED constant B	0.0605	0.34%
Crayfish Large	Sockeye juvenile: Non-lipid organic matter fraction in biota	-0.0657	0.34%
Peamouth	Crayfish Large: Dietary absorption efficiency of lipid	-0.0604	0.33%
Daphnia	Benthic invertebrates: Wet weight of the organism	0.0704	0.33%
Prickly Sculpin Small	Amphipods/Isopods: Dietary absorption efficiency of water	-0.0650	0.33%
Sockeye Salmon (juv.)	Sculpin: ED constant A	0.0649	0.33%
Prickly Sculpin Small	Northern pikeminnow: Dietary absorption efficiency of non-lipid organic matter	0.0648	0.33%
Sockeye Salmon (juv.)	Abiotic parms: Organic carbon content of sediment	-0.0647	0.33%
Northern Pikeminnow	Mysids: Water fraction in biota	0.0627	0.33%
Benthic Invertebrates	Northern pikeminnow: ED constant A	-0.0635	0.33%
Crayfish Small	Smallmouth bass: Wet weight of the organism	-0.0645	0.33%
Peamouth	Abiotic parms: Proportionality constant for phase partitioning of DOC	-0.0595	0.33%
Crayfish Large	Sockeye juvenile: Water fraction in biota	0.0647	0.32%
Prickly Sculpin Small	Amphipods/Isopods: Lipid fraction in biota	0.0642	0.32%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Northern Pikeminnow	Mysids: Dietary absorption efficiency of water	-0.0620	0.32%
Yellow Perch Large	Benthic invertebrates: ED constant A	0.0632	0.32%
Cutthroat Trout	Stickleback: Water fraction in biota	0.0614	0.32%
Yellow Perch Large	Sockeye juvenile: ED constant A	-0.0631	0.32%
Threespine Stickleback	Mollusks: ED constant B	-0.0611	0.32%
Peamouth	Cutthroat trout: ED constant B	-0.0589	0.32%
Mysids	Cutthroat trout: Wet weight of the organism	0.0601	0.32%
Sockeye Salmon (juv.)	Stickleback: Dietary absorption efficiency of non-lipid organic matter	-0.0632	0.31%
Benthic Invertebrates	Phytoplankton: Growth rate constant	-0.0621	0.31%
Mollusks	Crayfish small: Non-lipid organic matter fraction in biota	0.0652	0.31%
Sockeye Salmon (juv.)	Prickly sculpin small: Dietary absorption efficiency of lipid	0.0631	0.31%
Crayfish Small	Benthic invertebrates: Fraction of respiration that involves sediment pore water	0.0631	0.31%
Daphnia	General Bio: Density of lipids	-0.0682	0.31%
Amphipods/Isopods	Amphipods/Isopods: Dietary absorption efficiency of non-lipid organic matter	0.0709	0.31%
Prickly Sculpin Large	Crayfish small: Wet weight of the organism	0.0621	0.31%
Mollusks	Crayfish small: Water fraction in biota	-0.0648	0.31%
Crayfish Large	Peamouth chub: Fraction of respiration that involves sediment pore water	0.0632	0.31%
Cutthroat Trout	Benthic invertebrates: Dietary absorption efficiency of lipid	0.0604	0.31%
Sockeye Salmon (juv.)	Mysids: Non-lipid organic matter fraction in biota	-0.0627	0.31%
Northern Pikeminnow	Abiotic parms: Disequilibrium factor for DOC partitioning in water column	-0.0606	0.31%
Amphipods/Isopods	Abiotic parms: Concentration of POC in water	-0.0704	0.31%
Sockeye Salmon (juv.)	Crayfish small: Dietary absorption efficiency of water	-0.0625	0.31%
Phytoplankton	Amphipods/Isopods: Dietary absorption efficiency of lipid	-0.0596	0.31%
Smallmouth Bass	Sculpin: Lipid fraction in biota	0.0605	0.31%
Phytoplankton	Yellow perch large: ED constant A	0.0595	0.31%
Northern Pikeminnow	Sculpin: Lipid fraction in biota	0.0605	0.31%
Benthic Invertebrates	Stickleback: Dietary absorption efficiency of lipid	0.0613	0.31%
Crayfish Large	Abiotic parms: Concentration of DOC in water	-0.0627	0.31%
Amphipods/Isopods	Northern pikeminnow: ED constant A	0.0703	0.31%
Mollusks	Phytoplankton: Non-lipid organic carbon fraction in plant	-0.0643	0.31%
Mollusks	Crayfish Large: Fraction of respiration that involves sediment pore water	-0.0643	0.30%
Longfin Smelt	Yellow perch small: Dietary absorption efficiency of lipid	-0.0602	0.30%
Yellow Perch Small	Longfin smelt: Wet weight of the organism	-0.0607	0.30%
Longfin Smelt	Abiotic parms: Concentration of suspended solids	0.0601	0.30%
Crayfish Large	Benthic invertebrates: Wet weight of the organism	0.0626	0.30%
Prickly Sculpin Small	General Bio: Non-lipid organic matter – octanol proportionality constant	0.0623	0.30%
Smallmouth Bass	Copepods: ED constant A	0.0603	0.30%
Mollusks	Smallmouth bass: Wet weight of the organism	0.0641	0.30%
Cutthroat Trout	Copepods: Non-lipid organic matter fraction in biota	-0.0598	0.30%
Sockeye Salmon (juv.)	Sockeye juvenile: ED constant A	-0.0621	0.30%
Amphipods/Isopods	Mollusks: Lipid fraction in biota	-0.0699	0.30%
Copepods	Crayfish small: ED constant B	-0.0711	0.30%
Cutthroat Trout	Mysids: ED constant A	-0.0596	0.30%
Yellow Perch Small	Abiotic parms: Mean annual water temperature	0.0602	0.30%
Phytoplankton	Yellow perch small: Dietary absorption efficiency of water	0.0588	0.30%
Peamouth	Peamouth chub: Wet weight of the organism	0.0570	0.30%
Prickly Sculpin Large	Amphipods/Isopods: Dietary absorption efficiency of lipid	0.0608	0.30%
Prickly Sculpin Small	Longfin smelt: ED constant B	-0.0616	0.30%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Threespine Stickleback	Abiotic parms: Concentration of suspended solids	0.0591	0.30%
Benthic Invertebrates	Stickleback: Lipid fraction in biota	-0.0604	0.30%
Peamouth	General Bio: Growth rate factor invert	-0.0569	0.30%
Peamouth	Benthic invertebrates: Dietary absorption efficiency of non-lipid organic matter	0.0569	0.30%
Crayfish Large	Abiotic parms: Disequilibrium factor for POC partitioning in water column	0.0618	0.30%
Longfin Smelt	Abiotic parms: Disequilibrium factor for DOC partitioning in water column	-0.0593	0.30%
Prickly Sculpin Large	Mollusks: Wet weight of the organism	-0.0606	0.30%
Benthic Invertebrates	Abiotic parms: Proportionality constant for phase partitioning of POC	-0.0604	0.30%
Sockeye Salmon (juv.)	Yellow perch small:Dietary absorption efficiency of lipid	-0.0613	0.29%
Prickly Sculpin Large	Phytoplankton: Water fraction in plant	-0.0605	0.29%
Cutthroat Trout	Copepods: Water fraction in biota	0.0590	0.29%
Prickly Sculpin Large	Chem properties: Molecular weight	0.0604	0.29%
Smallmouth Bass	Crayfish small: Dietary absorption efficiency of lipid	-0.0593	0.29%
Mollusks	Smallmouth bass: Dietary absorption efficiency of non-lipid organic matter	-0.0630	0.29%
Peamouth	Stickleback: Lipid fraction in biota	-0.0565	0.29%
Crayfish Large	Daphnia: Dietary absorption efficiency of lipid	-0.0614	0.29%
Crayfish Large	Stickleback: Lipid fraction in biota	-0.0614	0.29%
Smallmouth Bass	Cutthroat trout: Dietary absorption efficiency of lipid	0.0592	0.29%
Yellow Perch Small	Stickleback: Dietary absorption efficiency of lipid	0.0594	0.29%
Phytoplankton	Cutthroat trout: Dietary absorption efficiency of lipid	-0.0582	0.29%
Benthic Invertebrates	Prickly sculpin small: Wet weight of the organism	-0.0598	0.29%
Phytoplankton	Phytoplankton: Water fraction in plant	-0.0580	0.29%
Longfin Smelt	Mollusks: Wet weight of the organism	-0.0587	0.29%
Crayfish Small	Phytoplankton: Growth rate constant	-0.0607	0.29%
Phytoplankton	Abiotic parms: Disequilibrium factor for POC partitioning in water column	-0.0579	0.29%
Northern Pikeminnow	Phytoplankton: Water fraction in plant	-0.0588	0.29%
Threespine Stickleback	Phytoplankton: Growth rate constant	-0.0582	0.29%
Mysids	Abiotic parms: Organic carbon content of sediment	-0.0574	0.29%
Northern Pikeminnow	Stickleback: ED constant A	-0.0588	0.29%
Yellow Perch Small	Cutthroat trout: Water fraction in biota	0.0589	0.29%
Phytoplankton	Sockeye juvenile: Wet weight of the organism	-0.0577	0.29%
Sockeye Salmon (juv.)	Cutthroat trout: Water fraction in biota	-0.0604	0.29%
Mysids	Yellow perch large: Dietary absorption efficiency of non-lipid organic matter	-0.0572	0.29%
Phytoplankton	Cutthroat trout: Water fraction in biota	0.0575	0.29%
Sockeye Salmon (juv.)	Cutthroat trout: Non-lipid organic matter fraction in biota	0.0603	0.29%
Crayfish Large	Smallmouth bass: Water fraction in biota	0.0607	0.29%
Amphipods/Isopods	Abiotic parms: Mean annual water temperature	0.0679	0.29%
Peamouth	Benthic invertebrates: ED constant A	-0.0557	0.28%
Crayfish Large	Copepods: Lipid fraction in biota	0.0606	0.28%
Northern Pikeminnow	Amphipods/Isopods: Lipid fraction in biota	0.0584	0.28%
Yellow Perch Small	Smallmouth bass: Wet weight of the organism	0.0586	0.28%
Prickly Sculpin Large	Yellow perch small:ED constant B	0.0593	0.28%
Yellow Perch Small	Cutthroat trout: Non-lipid organic matter fraction in biota	-0.0586	0.28%
Sockeye Salmon (juv.)	Mysids: Water fraction in biota	0.0601	0.28%
Prickly Sculpin Small	Crayfish Large: ED constant A	-0.0601	0.28%
Benthic Invertebrates	Sockeye juvenile: Fraction of respiration that involves sediment pore water	-0.0590	0.28%
Smallmouth Bass	Smallmouth bass: Water fraction in biota	-0.0582	0.28%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Longfin Smelt	Stickleback: Dietary absorption efficiency of non-lipid organic matter	-0.0578	0.28%
Smallmouth Bass	Cutthroat trout: Dietary absorption efficiency of water	0.0580	0.28%
Crayfish Small	Stickleback: Wet weight of the organism	0.0597	0.28%
Crayfish Small	General Bio: Growth rate factor invert	-0.0597	0.28%
Yellow Perch Small	Yellow perch small:Wet weight of the organism	0.0581	0.28%
Yellow Perch Large	Amphipods/Isopods: Dietary absorption efficiency of water	-0.0590	0.28%
Prickly Sculpin Large	Stickleback: Wet weight of the organism	-0.0588	0.28%
Crayfish Large	Yellow perch small:Dietary absorption efficiency of lipid	0.0598	0.28%
Smallmouth Bass	General Bio: Ew constant A	0.0576	0.28%
Phytoplankton	Mollusks: ED constant A	-0.0566	0.28%
Cutthroat Trout	Stickleback: Non-lipid organic matter fraction in biota	-0.0572	0.28%
Threespine Stickleback	Amphipods/Isopods: Dietary absorption efficiency of non-lipid organic matter	0.0570	0.28%
Prickly Sculpin Small	Phytoplankton: Water fraction in plant	-0.0593	0.28%
Longfin Smelt	Sockeye juvenile: ED constant B	0.0572	0.28%
Amphipods/Isopods	Abiotic parms: Proportionality constant for phase partitioning of POC	-0.0667	0.27%
Phytoplankton	Cutthroat trout: Non-lipid organic matter fraction in biota	-0.0564	0.27%
Yellow Perch Small	Copepods: Water fraction in biota	-0.0575	0.27%
Yellow Perch Small	Copepods: Non-lipid organic matter fraction in biota	0.0574	0.27%
Amphipods/Isopods	Prickly sculpin small: Dietary absorption efficiency of lipid	0.0663	0.27%
Smallmouth Bass	Longfin smelt: Water fraction in biota	0.0571	0.27%
Longfin Smelt	Prickly sculpin small: Lipid fraction in biota	-0.0567	0.27%
Threespine Stickleback	Yellow perch large: Water fraction in biota	0.0564	0.27%
Copepods	Prickly sculpin small: Non-lipid organic matter fraction in biota	0.0673	0.27%
Cutthroat Trout	Mysids: Dietary absorption efficiency of water	-0.0564	0.27%
Smallmouth Bass	Longfin smelt: Non-lipid organic matter fraction in biota	-0.0567	0.27%
Longfin Smelt	Longfin smelt: Non-lipid organic matter fraction in biota	0.0565	0.27%
Sockeye Salmon (juv.)	Benthic invertebrates: Wet weight of the organism	0.0584	0.27%
Yellow Perch Large	Copepods: Dietary absorption efficiency of lipid	-0.0579	0.27%
Peamouth	Mollusks: Dietary absorption efficiency of non-lipid organic matter	0.0540	0.27%
Copepods	Benthic invertebrates: ED constant B	-0.0670	0.27%
Daphnia	Smallmouth bass: ED constant B	-0.0632	0.27%
Smallmouth Bass	Smallmouth bass: ED constant B	-0.0565	0.27%
Yellow Perch Small	Smallmouth bass: Non-lipid organic matter fraction in biota	-0.0568	0.27%
Sockeye Salmon (juv.)	Benthic invertebrates: Water fraction in biota	-0.0582	0.27%
Benthic Invertebrates	Chem properties: LeBas molar volume	-0.0572	0.27%
Northern Pikeminnow	Crayfish small: Wet weight of the organism	0.0563	0.26%
Mysids	Copepods: Water fraction in biota	-0.0549	0.26%
Northern Pikeminnow	Peamouth chub: Lipid fraction in biota	-0.0562	0.26%
Mysids	Copepods: Non-lipid organic matter fraction in biota	0.0548	0.26%
Northern Pikeminnow	Abiotic parms: Concentration of DOC in water	-0.0560	0.26%
Daphnia	Crayfish small: Non-lipid organic matter fraction in biota	0.0625	0.26%
Crayfish Small	Benthic invertebrates: ED constant A	-0.0577	0.26%
Daphnia	Yellow perch large: Lipid fraction in biota	-0.0625	0.26%
Crayfish Large	Smallmouth bass: Non-lipid organic matter fraction in biota	-0.0580	0.26%
Prickly Sculpin Small	Northern pikeminnow: Wet weight of the organism	0.0577	0.26%
Benthic Invertebrates	Smallmouth bass: ED constant A	0.0566	0.26%
Sockeye Salmon (juv.)	Abiotic parms: Concentration of POC in water	-0.0576	0.26%
Crayfish Large	Benthic invertebrates: Fraction of respiration that involves sediment pore water	0.0579	0.26%
Crayfish Large	Abiotic parms: Concentration of POC in water	-0.0579	0.26%
Crayfish Large	Sockeye juvenile: ED constant A	-0.0578	0.26%
Phytoplankton	Daphnia: ED constant A	0.0548	0.26%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Smallmouth Bass	Amphipods/Isopods: Non-lipid organic matter fraction in biota	-0.0557	0.26%
Sockeye Salmon (juv.)	Smallmouth bass: Non-lipid organic matter fraction in biota	-0.0573	0.26%
Northern Pike minnow	Phytoplankton: Non-lipid organic carbon fraction in plant	0.0556	0.26%
Longfin Smelt	Abiotic parms: Proportionality constant for phase partitioning of POC	-0.0553	0.26%
Mysids	Copepods: Dietary absorption efficiency of non-lipid organic matter	0.0542	0.26%
Longfin Smelt	Sculpin: ED constant A	0.0552	0.26%
Prickly Sculpin Small	Sockeye juvenile: Dietary absorption efficiency of lipid	0.0572	0.26%
Longfin Smelt	Yellow perch small:ED constant A	0.0551	0.26%
Daphnia	Crayfish small: Water fraction in biota	-0.0618	0.26%
Copepods	Prickly sculpin small: Water fraction in biota	-0.0653	0.25%
Yellow Perch Large	Crayfish small: Water fraction in biota	0.0562	0.25%
Amphipods/Isopods	Amphipods/Isopods: ED constant A	-0.0639	0.25%
Mysids	Sockeye juvenile: ED constant A	0.0537	0.25%
Benthic Invertebrates	Sculpin: ED constant A	0.0558	0.25%
Yellow Perch Large	Crayfish small: Non-lipid organic matter fraction in biota	-0.0562	0.25%
Benthic Invertebrates	Prickly sculpin small: Lipid fraction in biota	-0.0556	0.25%
Mollusks	Benthic invertebrates: Dietary absorption efficiency of non-lipid organic matter	0.0583	0.25%
Threespine Stickleback	Yellow perch large: Lipid fraction in biota	-0.0542	0.25%
Benthic Invertebrates	Benthic invertebrates: Wet weight of the organism	0.0555	0.25%
Smallmouth Bass	Amphipods/Isopods: Water fraction in biota	0.0547	0.25%
Crayfish Large	Phytoplankton: Non-lipid organic carbon fraction in plant	-0.0567	0.25%
Copepods	General Bio: Growth rate factor fish	-0.0647	0.25%
Phytoplankton	Daphnia: Wet weight of the organism	-0.0537	0.25%
Prickly Sculpin Small	Peamouth chub: ED constant B	0.0563	0.25%
Crayfish Large	Crayfish small: Dietary absorption efficiency of water	-0.0566	0.25%
Yellow Perch Large	Sockeye juvenile: Water fraction in biota	0.0556	0.25%
Peamouth	Longfin smelt: ED constant A	0.0519	0.25%
Mollusks	Smallmouth bass: Non-lipid organic matter fraction in biota	-0.0579	0.25%
Yellow Perch Large	Crayfish small: Dietary absorption efficiency of lipid	-0.0555	0.25%
Yellow Perch Small	Smallmouth bass: Water fraction in biota	0.0544	0.24%
Daphnia	Yellow perch small:Water fraction in biota	0.0605	0.24%
Threespine Stickleback	Benthic invertebrates: Dietary absorption efficiency of water	0.0536	0.24%
Amphipods/Isopods	Yellow perch large: Water fraction in biota	0.0629	0.24%
Daphnia	Yellow perch small:Non-lipid organic matter fraction in biota	-0.0604	0.24%
Yellow Perch Small	General Bio: Density of lipids	-0.0543	0.24%
Smallmouth Bass	Crayfish small: Wet weight of the organism	0.0540	0.24%
Crayfish Small	Smallmouth bass: Dietary absorption efficiency of lipid	-0.0557	0.24%
Crayfish Small	Yellow perch large: Dietary absorption efficiency of non-lipid organic matter	-0.0556	0.24%
Prickly Sculpin Large	Yellow perch large: Dietary absorption efficiency of lipid	0.0549	0.24%
Sockeye Salmon (juv.)	Benthic invertebrates: ED constant B	-0.0556	0.24%
Threespine Stickleback	Benthic invertebrates: Fraction of respiration that involves sediment pore water	0.0534	0.24%
Mollusks	Yellow perch large: Dietary absorption efficiency of water	-0.0572	0.24%
Yellow Perch Small	Crayfish small: Wet weight of the organism	0.0539	0.24%
Copepods	Copepods: Dietary absorption efficiency of non-lipid organic matter	0.0636	0.24%
Prickly Sculpin Large	Phytoplankton: Lipid fraction in plant	-0.0546	0.24%
Daphnia	Crayfish Large: Wet weight of the organism	-0.0598	0.24%
Phytoplankton	Mollusks: Water fraction in biota	0.0527	0.24%
Threespine Stickleback	Yellow perch small:ED constant B	0.0530	0.24%
Prickly Sculpin Small	Phytoplankton: Organic phase resistance constant	0.0552	0.24%
Peamouth	Stickleback: Dietary absorption efficiency of non-lipid organic matter	0.0509	0.24%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Yellow Perch Large	Longfin smelt: Dietary absorption efficiency of non-lipid organic matter	0.0545	0.24%
Sockeye Salmon (juv.)	Northern pikeminnow: Dietary absorption efficiency of lipid	0.0550	0.24%
Mollusks	Mollusks: Dietary absorption efficiency of lipid	0.0566	0.24%
Prickly Sculpin Small	Mysids: Lipid fraction in biota	-0.0549	0.24%
Yellow Perch Small	Peamouth chub: Lipid fraction in biota	-0.0534	0.24%
Daphnia	Mollusks: Dietary absorption efficiency of non-lipid organic matter	0.0593	0.24%
Yellow Perch Large	Sockeye juvenile: Non-lipid organic matter fraction in biota	-0.0542	0.24%
Benthic Invertebrates	Mysids: Dietary absorption efficiency of non-lipid organic matter	-0.0538	0.24%
Peamouth	Prickly sculpin small: Lipid fraction in biota	-0.0506	0.23%
Northern Pikeminnow	Benthic invertebrates: ED constant B	-0.0530	0.23%
Peamouth	Yellow perch large: Non-lipid organic matter fraction in biota	0.0505	0.23%
Smallmouth Bass	Phytoplankton: Water fraction in plant	-0.0529	0.23%
Prickly Sculpin Large	Abiotic parms: Concentration of DOC in water	-0.0538	0.23%
Copepods	Mysids: Dietary absorption efficiency of water	-0.0626	0.23%
Daphnia	Sculpin: Dietary absorption efficiency of lipid	-0.0590	0.23%
Amphipods/Isopods	Yellow perch large: Non-lipid organic matter fraction in biota	-0.0614	0.23%
Peamouth	Yellow perch large: Water fraction in biota	-0.0504	0.23%
Northern Pikeminnow	Copepods: Water fraction in biota	0.0528	0.23%
Phytoplankton	Yellow perch large: ED constant B	-0.0519	0.23%
Crayfish Large	Cutthroat trout: Lipid fraction in biota	0.0546	0.23%
Crayfish Large	Sockeye juvenile: Dietary absorption efficiency of water	-0.0546	0.23%
Prickly Sculpin Small	Sculpin: ED constant A	0.0543	0.23%
Longfin Smelt	Yellow perch large: Fraction of respiration that involves sediment pore water	0.0524	0.23%
Mollusks	Crayfish Large: Wet weight of the organism	-0.0559	0.23%
Northern Pikeminnow	Sockeye juvenile: Water fraction in biota	0.0525	0.23%
Prickly Sculpin Small	Sockeye juvenile: Water fraction in biota	0.0541	0.23%
Mysids	Northern pikeminnow: Lipid fraction in biota	0.0512	0.23%
Prickly Sculpin Large	Mollusks: Dietary absorption efficiency of lipid	-0.0533	0.23%
Prickly Sculpin Small	Mysids: ED constant A	-0.0540	0.23%
Northern Pikeminnow	Copepods: Non-lipid organic matter fraction in biota	-0.0523	0.23%
Prickly Sculpin Large	Sculpin: ED constant B	-0.0532	0.23%
Mysids	Amphipods/Isopods: Dietary absorption efficiency of lipid	-0.0510	0.23%
Amphipods/Isopods	Longfin smelt: Dietary absorption efficiency of lipid	0.0606	0.23%
Yellow Perch Small	Crayfish small: Dietary absorption efficiency of lipid	-0.0524	0.23%
Northern Pikeminnow	Sockeye juvenile: Non-lipid organic matter fraction in biota	-0.0520	0.23%
Crayfish Large	General Bio: Growth rate factor invert	-0.0539	0.23%
Yellow Perch Large	Abiotic parms: Proportionality constant for phase partitioning of POC	-0.0531	0.23%
Yellow Perch Large	Stickleback: Lipid fraction in biota	-0.0530	0.23%
Sockeye Salmon (juv.)	Smallmouth bass: Lipid fraction in biota	0.0535	0.22%
Phytoplankton	Copepods: Dietary absorption efficiency of lipid	0.0510	0.22%
Northern Pikeminnow	Crayfish Large: Dietary absorption efficiency of lipid	0.0518	0.22%
Yellow Perch Large	Abiotic parms: Concentration of DOC in water	-0.0529	0.22%
Phytoplankton	Phytoplankton: Organic phase resistance constant	-0.0509	0.22%
Prickly Sculpin Large	Prickly sculpin small: ED constant B	-0.0526	0.22%
Threespine Stickleback	Yellow perch large: Non-lipid organic matter fraction in biota	-0.0512	0.22%
Benthic Invertebrates	Abiotic parms: Concentration of suspended solids	0.0524	0.22%
Sockeye Salmon (juv.)	Benthic invertebrates: Non-lipid organic matter fraction in biota	0.0533	0.22%
Sockeye Salmon (juv.)	Phytoplankton: Lipid fraction in plant	-0.0532	0.22%
Prickly Sculpin Small	Sockeye juvenile: Non-lipid organic matter fraction in biota	-0.0532	0.22%
Longfin Smelt	Copepods: Dietary absorption efficiency of non-lipid organic matter	-0.0513	0.22%
Cutthroat Trout	Benthic invertebrates: Water fraction in biota	-0.0512	0.22%
Prickly Sculpin Large	Sockeye juvenile: Water fraction in biota	0.0524	0.22%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Prickly Sculpin Large	Benthic invertebrates: Dietary absorption efficiency of lipid	0.0523	0.22%
Amphipods/Isopods	Mysids: Dietary absorption efficiency of non-lipid organic matter	-0.0597	0.22%
Sockeye Salmon (juv.)	Northern pikeminnow: Dietary absorption efficiency of non-lipid organic matter	0.0529	0.22%
Mollusks	Cutthroat trout: ED constant B	-0.0546	0.22%
Mollusks	Smallmouth bass: Water fraction in biota	0.0546	0.22%
Peamouth	Crayfish small: Dietary absorption efficiency of lipid	-0.0489	0.22%
Sockeye Salmon (juv.)	Smallmouth bass: Water fraction in biota	0.0528	0.22%
Mysids	Sockeye juvenile: ED constant B	-0.0500	0.22%
Amphipods/Isopods	Amphipods/Isopods: Fraction of respiration that involves sediment pore water	0.0594	0.22%
Prickly Sculpin Large	Sockeye juvenile: Non-lipid organic matter fraction in biota	-0.0521	0.22%
Phytoplankton	Northern pikeminnow: Dietary absorption efficiency of lipid	0.0503	0.22%
Benthic Invertebrates	Longfin smelt: Lipid fraction in biota	-0.0518	0.22%
Crayfish Large	Amphipods/Isopods: Non-lipid organic matter fraction in biota	-0.0530	0.22%
Northern Pikeminnow	Abiotic parms: Concentration of POC in water	-0.0511	0.22%
Smallmouth Bass	Peamouth chub: Dietary absorption efficiency of lipid	0.0510	0.22%
Mollusks	Amphipods/Isopods: Dietary absorption efficiency of lipid	-0.0542	0.22%
Crayfish Large	Sculpin: Lipid fraction in biota	0.0527	0.22%
Phytoplankton	Mollusks: Non-lipid organic matter fraction in biota	-0.0500	0.22%
Longfin Smelt	Peamouth chub: ED constant B	0.0506	0.22%
Crayfish Large	Amphipods/Isopods: Water fraction in biota	0.0525	0.21%
Smallmouth Bass	Abiotic parms: Proportionality constant for phase partitioning of POC	-0.0505	0.21%
Crayfish Small	Northern pikeminnow: Dietary absorption efficiency of water	0.0520	0.21%
Yellow Perch Large	General Bio: Non-lipid organic matter – octanol proportionality constant	-0.0515	0.21%
Mollusks	Cutthroat trout: Dietary absorption efficiency of non-lipid organic matter	0.0536	0.21%
Yellow Perch Small	Abiotic parms: Proportionality constant for phase partitioning of POC	-0.0506	0.21%
Smallmouth Bass	Mysids: ED constant A	0.0504	0.21%
Northern Pikeminnow	Northern pikeminnow: Dietary absorption efficiency of water	0.0504	0.21%
Smallmouth Bass	Mollusks: Wet weight of the organism	-0.0503	0.21%
Mollusks	Phytoplankton: Growth rate constant	0.0536	0.21%
Peamouth	Northern pikeminnow: Dietary absorption efficiency of water	0.0479	0.21%
Yellow Perch Large	Longfin smelt: Lipid fraction in biota	-0.0513	0.21%
Crayfish Large	Peamouth chub: Dietary absorption efficiency of water	0.0521	0.21%
Peamouth	Longfin smelt: Wet weight of the organism	0.0479	0.21%
Prickly Sculpin Small	Sculpin: Non-lipid organic matter fraction in biota	0.0518	0.21%
Threespine Stickleback	Mysids: ED constant A	0.0497	0.21%
Sockeye Salmon (juv.)	Peamouth chub: Dietary absorption efficiency of lipid	-0.0516	0.21%
Daphnia	Daphnia: ED constant A	0.0559	0.21%
Threespine Stickleback	Prickly sculpin small: ED constant A	0.0496	0.21%
Mysids	Benthic invertebrates: Dietary absorption efficiency of non-lipid organic matter	0.0489	0.21%
Smallmouth Bass	Amphipods/Isopods: Wet weight of the organism	-0.0500	0.21%
Crayfish Large	Mollusks: Water fraction in biota	0.0518	0.21%
Prickly Sculpin Large	Peamouth chub: Dietary absorption efficiency of non-lipid organic matter	-0.0508	0.21%
Benthic Invertebrates	Sculpin: Fraction of respiration that involves sediment pore water	0.0506	0.21%
Mysids	Crayfish Large: Wet weight of the organism	-0.0487	0.21%
Prickly Sculpin Small	Sculpin: Water fraction in biota	-0.0514	0.21%
Mollusks	Mollusks: ED constant B	-0.0530	0.21%
Crayfish Large	Mollusks: Non-lipid organic matter fraction in biota	-0.0517	0.21%
Mollusks	Benthic invertebrates: Dietary absorption efficiency of lipid	-0.0530	0.21%
Crayfish Small	Abiotic parms: Concentration of suspended solids	0.0512	0.21%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Prickly Sculpin Large	Phytoplankton: Aqueous phase resistance constant	-0.0506	0.21%
Copepods	Crayfish small: Wet weight of the organism	0.0587	0.21%
Sockeye Salmon (juv.)	Copepods: Dietary absorption efficiency of lipid	0.0511	0.21%
Amphipods/Isopods	Phytoplankton: Organic phase resistance constant	-0.0575	0.20%
Phytoplankton	Amphipods/Isopods: ED constant A	0.0487	0.20%
Crayfish Large	Mysids: ED constant A	-0.0513	0.20%
Cutthroat Trout	Crayfish small: Wet weight of the organism	0.0492	0.20%
Benthic Invertebrates	Abiotic parms: Density of OC in sediment	0.0500	0.20%
Benthic Invertebrates	Benthic invertebrates: ED constant A	-0.0500	0.20%
Crayfish Small	Peamouth chub: ED constant B	0.0507	0.20%
Mysids	Chem properties: PCB 118 sediment	0.0480	0.20%
Yellow Perch Large	Chem properties: Molecular weight	0.0502	0.20%
Sockeye Salmon (juv.)	Crayfish small: Dietary absorption efficiency of lipid	-0.0506	0.20%
Mysids	Amphipods/Isopods: Fraction of respiration that involves sediment pore water	0.0478	0.20%
Prickly Sculpin Small	Crayfish small: Lipid fraction in biota	0.0505	0.20%
Northern Pikeminnow	Mysids: Lipid fraction in biota	0.0490	0.20%
Smallmouth Bass	Peamouth chub: Lipid fraction in biota	-0.0489	0.20%
Cutthroat Trout	Northern pikeminnow: ED constant A	-0.0485	0.20%
Prickly Sculpin Large	General Bio: Growth rate factor invert	-0.0496	0.20%
Amphipods/Isopods	Peamouth chub: Dietary absorption efficiency of lipid	0.0566	0.20%
Northern Pikeminnow	Copepods: Dietary absorption efficiency of lipid	0.0487	0.20%
Cutthroat Trout	Benthic invertebrates: Non-lipid organic matter fraction in biota	0.0484	0.20%
Amphipods/Isopods	Sockeye juvenile: Wet weight of the organism	-0.0565	0.20%
Smallmouth Bass	Abiotic parms: Concentration of suspended solids	0.0486	0.20%
Mollusks	Crayfish Large: ED constant B	0.0516	0.20%
Amphipods/Isopods	Longfin smelt: ED constant A	0.0564	0.20%
Threespine Stickleback	Yellow perch small:Dietary absorption efficiency of water	0.0481	0.20%
Amphipods/Isopods	Amphipods/Isopods: Wet weight of the organism	0.0564	0.20%
Sockeye Salmon (juv.)	Daphnia: Lipid fraction in biota	0.0500	0.20%
Mysids	Northern pikeminnow: ED constant A	0.0473	0.20%
Daphnia	Prickly sculpin small: ED constant A	0.0541	0.20%
Daphnia	Mollusks: Lipid fraction in biota	-0.0540	0.20%
Cutthroat Trout	Prickly sculpin small: Dietary absorption efficiency of lipid	0.0480	0.19%
Phytoplankton	Prickly sculpin small: Non-lipid organic matter fraction in biota	0.0475	0.19%
Yellow Perch Large	Benthic invertebrates: Wet weight of the organism	0.0493	0.19%
Peamouth	Stickleback: Wet weight of the organism	0.0460	0.19%
Prickly Sculpin Large	Stickleback: Dietary absorption efficiency of lipid	0.0491	0.19%
Peamouth	Yellow perch small:Fraction of respiration that involves sediment pore water	-0.0459	0.19%
Mysids	General Bio: Density of lipids	-0.0470	0.19%
Smallmouth Bass	Abiotic parms: Concentration of POC in water	-0.0480	0.19%
Phytoplankton	Prickly sculpin small: ED constant A	0.0471	0.19%
Northern Pikeminnow	General Bio: Non-lipid organic matter – octanol proportionality constant	-0.0479	0.19%
Northern Pikeminnow	Mollusks: Non-lipid organic matter fraction in biota	-0.0479	0.19%
Daphnia	Yellow perch small:Dietary absorption efficiency of non-lipid organic matter	0.0535	0.19%
Crayfish Small	Phytoplankton: Aqueous phase resistance constant	-0.0493	0.19%
Cutthroat Trout	Benthic invertebrates: Lipid fraction in biota	0.0475	0.19%
Crayfish Large	Sculpin: Dietary absorption efficiency of water	0.0496	0.19%
Copepods	Amphipods/Isopods: Non-lipid organic matter fraction in biota	-0.0566	0.19%
Phytoplankton	Prickly sculpin small: Water fraction in biota	-0.0470	0.19%
Benthic Invertebrates	Phytoplankton: Aqueous phase resistance constant	-0.0484	0.19%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Sockeye Salmon (juv.)	General Bio: Growth rate factor invert	-0.0492	0.19%
Northern Pike minnow	Mollusks: Water fraction in biota	0.0477	0.19%
Copepods	Phytoplankton: Aqueous phase resistance constant	-0.0564	0.19%
Longfin Smelt	Copepods: Lipid fraction in biota	0.0474	0.19%
Phytoplankton	Mysids: Dietary absorption efficiency of non-lipid organic matter	-0.0468	0.19%
Yellow Perch Large	Mollusks: ED constant A	0.0486	0.19%
Crayfish Small	Amphipods/Isopods: ED constant B	0.0490	0.19%
Longfin Smelt	Smallmouth bass: Dietary absorption efficiency of lipid	-0.0473	0.19%
Longfin Smelt	Crayfish small: Dietary absorption efficiency of lipid	0.0473	0.19%
Mysids	Longfin smelt: Dietary absorption efficiency of non-lipid organic matter	0.0463	0.19%
Copepods	Amphipods/Isopods: Water fraction in biota	0.0561	0.19%
Yellow Perch Large	Phytoplankton: Organic phase resistance constant	0.0484	0.19%
Mollusks	General Bio: Density of lipids	-0.0504	0.19%
Prickly Sculpin Small	Mollusks: Non-lipid organic matter fraction in biota	-0.0489	0.19%
Amphipods/Isopods	Copepods: Lipid fraction in biota	-0.0550	0.19%
Threespine Stickleback	Sculpin: Wet weight of the organism	0.0469	0.19%
Crayfish Small	Longfin smelt: ED constant B	-0.0488	0.19%
Mysids	Longfin smelt: Lipid fraction in biota	0.0462	0.19%
Crayfish Large	Crayfish small: Dietary absorption efficiency of lipid	0.0489	0.19%
Smallmouth Bass	Smallmouth bass: Non-lipid organic matter fraction in biota	0.0471	0.19%
Northern Pike minnow	Smallmouth bass: Dietary absorption efficiency of non-lipid organic matter	-0.0471	0.19%
Benthic Invertebrates	Mysids: Dietary absorption efficiency of lipid	0.0477	0.18%
Mollusks	Sculpin: Wet weight of the organism	0.0501	0.18%
Prickly Sculpin Small	Mollusks: Water fraction in biota	0.0485	0.18%
Threespine Stickleback	Yellow perch large: Dietary absorption efficiency of water	0.0465	0.18%
Mysids	Daphnia: ED constant A	0.0458	0.18%
Prickly Sculpin Large	Benthic invertebrates: Wet weight of the organism	0.0477	0.18%
Yellow Perch Large	Stickleback: Dietary absorption efficiency of non-lipid organic matter	0.0479	0.18%
Amphipods/Isopods	General Bio: Non-lipid organic matter – octanol proportionality constant	0.0544	0.18%
Daphnia	Crayfish small: Lipid fraction in biota	-0.0523	0.18%
Amphipods/Isopods	Sculpin: Wet weight of the organism	0.0544	0.18%
Threespine Stickleback	Mollusks: Wet weight of the organism	-0.0463	0.18%
Crayfish Large	Mollusks: Dietary absorption efficiency of lipid	-0.0485	0.18%
Mollusks	Crayfish Large: Lipid fraction in biota	0.0497	0.18%
Northern Pike minnow	Amphipods/Isopods: Fraction of respiration that involves sediment pore water	0.0467	0.18%
Yellow Perch Small	Longfin smelt: Dietary absorption efficiency of lipid	0.0469	0.18%
Crayfish Large	Prickly sculpin small: Dietary absorption efficiency of water	-0.0483	0.18%
Amphipods/Isopods	Prickly sculpin small: Water fraction in biota	-0.0541	0.18%
Crayfish Small	Prickly sculpin small: Non-lipid organic matter fraction in biota	0.0480	0.18%
Prickly Sculpin Small	Phytoplankton: Lipid fraction in plant	-0.0480	0.18%
Prickly Sculpin Large	Amphipods/Isopods: Lipid fraction in biota	0.0474	0.18%
Smallmouth Bass	Copepods: Dietary absorption efficiency of lipid	-0.0465	0.18%
Amphipods/Isopods	Phytoplankton: Lipid fraction in plant	-0.0540	0.18%
Yellow Perch Small	Smallmouth bass: Dietary absorption efficiency of lipid	0.0466	0.18%
Threespine Stickleback	Amphipods/Isopods: Fraction of respiration that involves sediment pore water	-0.0460	0.18%
Yellow Perch Large	Yellow perch small: Dietary absorption efficiency of non-lipid organic matter	0.0474	0.18%
Benthic Invertebrates	Longfin smelt: Dietary absorption efficiency of lipid	0.0470	0.18%
Amphipods/Isopods	Cutthroat trout: Water fraction in biota	0.0538	0.18%
Crayfish Small	Stickleback: Lipid fraction in biota	-0.0477	0.18%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Prickly Sculpin Small	Cutthroat trout: Lipid fraction in biota	-0.0476	0.18%
Peamouth	Prickly sculpin small: ED constant B	0.0440	0.18%
Northern Pike minnow	Northern pike minnow: Wet weight of the organism	-0.0461	0.18%
Peamouth	Peamouth chub: Non-lipid organic matter fraction in biota	0.0440	0.18%
Crayfish Large	Longfin smelt: Wet weight of the organism	0.0478	0.18%
Prickly Sculpin Small	Yellow perch small:Wet weight of the organism	0.0475	0.18%
Cutthroat Trout	Prickly sculpin small: Dietary absorption efficiency of non-lipid organic matter	-0.0458	0.18%
Amphipods/Isopods	Prickly sculpin small: Non-lipid organic matter fraction in biota	0.0535	0.18%
Sockeye Salmon (juv.)	Benthic invertebrates: Dietary absorption efficiency of water	0.0475	0.18%
Yellow Perch Small	Sockeye juvenile: ED constant B	0.0462	0.18%
Prickly Sculpin Small	Prickly sculpin small: Fraction of respiration that involves sediment pore water	-0.0475	0.18%
Phytoplankton	Benthic invertebrates: Wet weight of the organism	0.0452	0.18%
Amphipods/Isopods	Peamouth chub: Dietary absorption efficiency of non-lipid organic matter	0.0534	0.18%
Copepods	Crayfish Large: Water fraction in biota	-0.0544	0.18%
Mysids	Yellow perch large: ED constant B	-0.0448	0.18%
Peamouth	Sculpin: Fraction of respiration that involves sediment pore water	0.0437	0.18%
Copepods	Crayfish Large: Non-lipid organic matter fraction in biota	0.0542	0.18%
Prickly Sculpin Large	Prickly sculpin small: Water fraction in biota	-0.0466	0.17%
Prickly Sculpin Large	Northern pike minnow: Lipid fraction in biota	0.0466	0.17%
Yellow Perch Large	Stickleback: Dietary absorption efficiency of lipid	0.0466	0.17%
Prickly Sculpin Large	Sockeye juvenile: ED constant A	-0.0465	0.17%
Longfin Smelt	Longfin smelt: ED constant A	-0.0455	0.17%
Threespine Stickleback	Yellow perch small:Dietary absorption efficiency of non-lipid organic matter	0.0452	0.17%
Threespine Stickleback	Crayfish Large: Dietary absorption efficiency of non-lipid organic matter	-0.0452	0.17%
Prickly Sculpin Large	Prickly sculpin small: Non-lipid organic matter fraction in biota	0.0462	0.17%
Yellow Perch Large	Mysids: Dietary absorption efficiency of water	-0.0463	0.17%
Smallmouth Bass	Amphipods/Isopods: ED constant B	-0.0453	0.17%
Crayfish Large	Longfin smelt: Dietary absorption efficiency of lipid	0.0470	0.17%
Northern Pike minnow	Daphnia: Dietary absorption efficiency of lipid	0.0453	0.17%
Prickly Sculpin Small	Daphnia: Water fraction in biota	0.0467	0.17%
Mysids	Prickly sculpin small: Wet weight of the organism	-0.0442	0.17%
Mysids	Smallmouth bass: Lipid fraction in biota	0.0442	0.17%
Crayfish Small	Prickly sculpin small: Water fraction in biota	-0.0466	0.17%
Crayfish Large	Yellow perch small:Lipid fraction in biota	-0.0469	0.17%
Prickly Sculpin Small	Cutthroat trout: Wet weight of the organism	0.0466	0.17%
Crayfish Large	Daphnia: Lipid fraction in biota	-0.0468	0.17%
Crayfish Small	Prickly sculpin small: Dietary absorption efficiency of lipid	0.0465	0.17%
Yellow Perch Large	Mysids: Lipid fraction in biota	0.0461	0.17%
Benthic Invertebrates	Peamouth chub: Lipid fraction in biota	-0.0457	0.17%
Mollusks	Sculpin: Fraction of respiration that involves sediment pore water	0.0479	0.17%
Threespine Stickleback	Longfin smelt: Wet weight of the organism	0.0446	0.17%
Peamouth	Prickly sculpin small: Dietary absorption efficiency of non-lipid organic matter	-0.0429	0.17%
Crayfish Large	Sculpin: ED constant B	0.0466	0.17%
Benthic Invertebrates	Crayfish small: ED constant B	-0.0456	0.17%
Longfin Smelt	Prickly sculpin small: Non-lipid organic matter fraction in biota	0.0448	0.17%
Cutthroat Trout	Mollusks: Lipid fraction in biota	0.0446	0.17%
Prickly Sculpin Small	General Bio: Growth rate factor invert	-0.0463	0.17%
Amphipods/Isopods	Cutthroat trout: Non-lipid organic matter fraction in biota	-0.0521	0.17%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Peamouth	Amphipods/Isopods: ED constant B	-0.0428	0.17%
Prickly Sculpin Small	Benthic invertebrates: Dietary absorption efficiency of water	0.0462	0.17%
Amphipods/Isopods	General Bio: Metabolic transformation rate	0.0519	0.17%
Amphipods/Isopods	Northern pikeminnow: Dietary absorption efficiency of water	0.0519	0.17%
Phytoplankton	General Bio: Particle scavenging efficiency	-0.0439	0.17%
Mollusks	Yellow perch small:ED constant A	-0.0474	0.17%
Threespine Stickleback	Crayfish Large: Water fraction in biota	0.0441	0.17%
Amphipods/Isopods	Yellow perch small:Fraction of respiration that involves sediment pore water	-0.0517	0.17%
Yellow Perch Small	Stickleback: ED constant A	-0.0447	0.16%
Smallmouth Bass	Amphipods/Isopods: Lipid fraction in biota	0.0444	0.16%
Smallmouth Bass	Yellow perch small:Lipid fraction in biota	-0.0444	0.16%
Prickly Sculpin Small	Northern pikeminnow: Dietary absorption efficiency of water	0.0458	0.16%
Threespine Stickleback	Crayfish small: Wet weight of the organism	0.0440	0.16%
Threespine Stickleback	Peamouth chub: Lipid fraction in biota	-0.0439	0.16%
Cutthroat Trout	Yellow perch large: ED constant A	-0.0440	0.16%
Yellow Perch Small	Benthic invertebrates: Fraction of respiration that involves sediment pore water	0.0445	0.16%
Phytoplankton	Sockeye juvenile: Water fraction in biota	-0.0436	0.16%
Smallmouth Bass	Amphipods/Isopods: Dietary absorption efficiency of lipid	0.0443	0.16%
Mysids	Yellow perch small:ED constant B	-0.0432	0.16%
Crayfish Small	Mysids: Dietary absorption efficiency of lipid	-0.0456	0.16%
Crayfish Small	Prickly sculpin small: Wet weight of the organism	-0.0456	0.16%
Mysids	Yellow perch large: Wet weight of the organism	0.0432	0.16%
Amphipods/Isopods	Sculpin: Water fraction in biota	-0.0513	0.16%
Prickly Sculpin Small	Copepods: Dietary absorption efficiency of lipid	-0.0456	0.16%
Yellow Perch Small	Mollusks: Dietary absorption efficiency of lipid	-0.0443	0.16%
Northern Pikeminnow	Phytoplankton: Growth rate constant	-0.0441	0.16%
Yellow Perch Small	Yellow perch small:ED constant B	-0.0443	0.16%
Mysids	Smallmouth bass: ED constant B	-0.0430	0.16%
Mollusks	Crayfish Large: ED constant A	-0.0468	0.16%
Threespine Stickleback	Yellow perch small:Dietary absorption efficiency of lipid	-0.0436	0.16%
Threespine Stickleback	Crayfish Large: Non-lipid organic matter fraction in biota	-0.0436	0.16%
Mollusks	Peamouth chub: Lipid fraction in biota	-0.0467	0.16%
Yellow Perch Large	Daphnia: Dietary absorption efficiency of water	0.0448	0.16%
Benthic Invertebrates	Prickly sculpin small: Dietary absorption efficiency of water	-0.0445	0.16%
Cutthroat Trout	Crayfish small: Dietary absorption efficiency of water	-0.0436	0.16%
Crayfish Large	Mollusks: Dietary absorption efficiency of water	-0.0455	0.16%
Benthic Invertebrates	Stickleback: Dietary absorption efficiency of water	-0.0444	0.16%
Yellow Perch Large	Crayfish small: Dietary absorption efficiency of water	-0.0447	0.16%
Smallmouth Bass	Copepods: ED constant B	-0.0436	0.16%
Mysids	Yellow perch small:Dietary absorption efficiency of lipid	0.0426	0.16%
Northern Pikeminnow	Copepods: Dietary absorption efficiency of water	0.0436	0.16%
Copepods	Daphnia: ED constant B	0.0516	0.16%
Cutthroat Trout	Longfin smelt: Dietary absorption efficiency of non-lipid organic matter	0.0433	0.16%
Prickly Sculpin Large	Smallmouth bass: Dietary absorption efficiency of lipid	0.0443	0.16%
Amphipods/Isopods	Sculpin: Non-lipid organic matter fraction in biota	0.0505	0.16%
Prickly Sculpin Small	Mysids: Water fraction in biota	0.0449	0.16%
Smallmouth Bass	Smallmouth bass: Dietary absorption efficiency of non-lipid organic matter	0.0434	0.16%
Yellow Perch Small	Smallmouth bass: ED constant A	-0.0436	0.16%
Cutthroat Trout	Amphipods/Isopods: Non-lipid organic matter fraction in biota	-0.0431	0.16%
Prickly Sculpin Small	General Bio: Density of lipids	-0.0447	0.16%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Phytoplankton	Sockeye juvenile: Non-lipid organic matter fraction in biota	0.0426	0.16%
Yellow Perch Large	Yellow perch small:Non-lipid organic matter fraction in biota	-0.0442	0.16%
Copepods	Yellow perch large: ED constant A	0.0513	0.16%
Prickly Sculpin Small	Yellow perch large: ED constant A	0.0447	0.16%
Yellow Perch Large	Yellow perch small:Water fraction in biota	0.0442	0.16%
Mollusks	Yellow perch large: ED constant B	0.0460	0.16%
Mysids	Prickly sculpin small: ED constant B	-0.0422	0.16%
Prickly Sculpin Large	Copepods: Dietary absorption efficiency of lipid	-0.0440	0.16%
Yellow Perch Small	Crayfish small: Lipid fraction in biota	0.0434	0.16%
Longfin Smelt	Prickly sculpin small: Water fraction in biota	-0.0430	0.16%
Copepods	Cutthroat trout: Water fraction in biota	0.0512	0.16%
Phytoplankton	General Bio: Growth rate factor invert	0.0425	0.16%
Phytoplankton	Amphipods/Isopods: Non-lipid organic matter fraction in biota	-0.0425	0.16%
Copepods	Amphipods/Isopods: Wet weight of the organism	-0.0511	0.16%
Phytoplankton	Mollusks: ED constant B	-0.0425	0.16%
Copepods	Crayfish small: Dietary absorption efficiency of non-lipid organic matter	0.0511	0.16%
Phytoplankton	Northern pikeminnow: Dietary absorption efficiency of water	0.0424	0.16%
Benthic Invertebrates	General Bio: Growth rate factor invert	-0.0437	0.16%
Longfin Smelt	Crayfish small: Dietary absorption efficiency of non-lipid organic matter	0.0429	0.16%
Yellow Perch Large	Peamouth chub: ED constant B	-0.0440	0.15%
Phytoplankton	Peamouth chub: Wet weight of the organism	0.0423	0.15%
Mysids	Crayfish small: ED constant B	-0.0420	0.15%
Cutthroat Trout	Amphipods/Isopods: Water fraction in biota	0.0428	0.15%
Peamouth	Amphipods/Isopods: Water fraction in biota	-0.0410	0.15%
Phytoplankton	Amphipods/Isopods: Water fraction in biota	0.0423	0.15%
Prickly Sculpin Small	Mysids: Non-lipid organic matter fraction in biota	-0.0444	0.15%
Cutthroat Trout	Phytoplankton: Growth rate constant	0.0427	0.15%
Peamouth	Phytoplankton: Water fraction in plant	-0.0410	0.15%
Yellow Perch Small	Abiotic parms: Concentration of suspended solids	-0.0431	0.15%
Cutthroat Trout	Peamouth chub: Lipid fraction in biota	-0.0426	0.15%
Northern Pikeminnow	General Bio: Density of lipids	-0.0429	0.15%
Daphnia	Stickleback: Water fraction in biota	0.0479	0.15%
Crayfish Large	Amphipods/Isopods: Wet weight of the organism	-0.0444	0.15%
Crayfish Large	Chem properties: Molecular weight	0.0444	0.15%
Phytoplankton	Crayfish small: ED constant B	-0.0421	0.15%
Daphnia	Longfin smelt: Wet weight of the organism	-0.0478	0.15%
Mollusks	Cutthroat trout: Wet weight of the organism	0.0455	0.15%
Smallmouth Bass	Abiotic parms: Proportionality constant for phase partitioning of DOC	-0.0427	0.15%
Benthic Invertebrates	Mollusks: Dietary absorption efficiency of lipid	-0.0433	0.15%
Sockeye Salmon (juv.)	Yellow perch small:Dietary absorption efficiency of water	0.0441	0.15%
Phytoplankton	Copepods: ED constant B	0.0420	0.15%
Peamouth	Longfin smelt: Non-lipid organic matter fraction in biota	-0.0407	0.15%
Peamouth	Amphipods/Isopods: Non-lipid organic matter fraction in biota	0.0406	0.15%
Amphipods/Isopods	Cutthroat trout: Dietary absorption efficiency of lipid	-0.0495	0.15%
Cutthroat Trout	Sockeye juvenile: ED constant A	-0.0423	0.15%
Mysids	Crayfish Large: Dietary absorption efficiency of water	0.0415	0.15%
Yellow Perch Large	General Bio: Density of lipids	-0.0434	0.15%
Mysids	Prickly sculpin small: Dietary absorption efficiency of non-lipid organic matter	-0.0415	0.15%
Threespine Stickleback	Amphipods/Isopods: Dietary absorption efficiency of lipid	0.0421	0.15%
Phytoplankton	Northern pikeminnow: Lipid fraction in biota	0.0417	0.15%
Prickly Sculpin Small	Crayfish small: Dietary absorption efficiency of water	0.0437	0.15%
Daphnia	Stickleback: Non-lipid organic matter fraction in biota	-0.0473	0.15%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Smallmouth Bass	Sculpin: Dietary absorption efficiency of non-lipid organic matter	0.0422	0.15%
Yellow Perch Small	Northern pikeminnow: Lipid fraction in biota	0.0424	0.15%
Crayfish Large	Smallmouth bass: Wet weight of the organism	-0.0437	0.15%
Copepods	Yellow perch small:ED constant B	-0.0499	0.15%
Yellow Perch Large	Northern pikeminnow: Water fraction in biota	-0.0430	0.15%
Benthic Invertebrates	Crayfish small: Dietary absorption efficiency of lipid	-0.0427	0.15%
Peamouth	Abiotic parms: Disequilibrium factor for DOC partitioning in water column	-0.0401	0.15%
Amphipods/Isopods	Peamouth chub: Water fraction in biota	0.0489	0.15%
Mollusks	Mollusks: ED constant A	-0.0447	0.15%
Cutthroat Trout	General Bio: Non-lipid organic matter – octanol proportionality constant	-0.0418	0.15%
Daphnia	Daphnia: Wet weight of the organism	-0.0469	0.15%
Sockeye Salmon (juv.)	Crayfish Large: Fraction of respiration that involves sediment pore water	-0.0433	0.15%
Copepods	Cutthroat trout: Non-lipid organic matter fraction in biota	-0.0497	0.15%
Longfin Smelt	Stickleback: Lipid fraction in biota	-0.0418	0.15%
Copepods	Daphnia: Non-lipid organic matter fraction in biota	0.0496	0.15%
Phytoplankton	Crayfish small: Dietary absorption efficiency of water	-0.0412	0.15%
Yellow Perch Small	Crayfish small: ED constant A	-0.0421	0.15%
Northern Pikeminnow	Stickleback: Wet weight of the organism	-0.0419	0.15%
Phytoplankton	Northern pikeminnow: ED constant B	0.0412	0.15%
Amphipods/Isopods	Sculpin: ED constant A	0.0486	0.15%
Peamouth	Yellow perch large: Wet weight of the organism	-0.0399	0.15%
Prickly Sculpin Small	Peamouth chub: Lipid fraction in biota	-0.0432	0.15%
Sockeye Salmon (juv.)	Cutthroat trout: Wet weight of the organism	0.0431	0.15%
Mysids	Crayfish Large: ED constant A	-0.0408	0.15%
Northern Pikeminnow	Yellow perch small:ED constant B	0.0418	0.15%
Amphipods/Isopods	Mollusks: Dietary absorption efficiency of non-lipid organic matter	0.0485	0.15%
Yellow Perch Small	Stickleback: Wet weight of the organism	-0.0419	0.15%
Prickly Sculpin Large	Amphipods/Isopods: Dietary absorption efficiency of non-lipid organic matter	0.0424	0.14%
Benthic Invertebrates	Chem properties: Molecular weight	0.0422	0.14%
Smallmouth Bass	Benthic invertebrates: Dietary absorption efficiency of lipid	0.0416	0.14%
Amphipods/Isopods	Crayfish small: Dietary absorption efficiency of non-lipid organic matter	0.0483	0.14%
Threespine Stickleback	Smallmouth bass: ED constant A	0.0412	0.14%
Crayfish Large	Amphipods/Isopods: ED constant B	-0.0431	0.14%
Copepods	Mollusks: ED constant B	0.0492	0.14%
Benthic Invertebrates	Cutthroat trout: ED constant B	-0.0421	0.14%
Amphipods/Isopods	Yellow perch small:Lipid fraction in biota	-0.0482	0.14%
Cutthroat Trout	Copepods: Wet weight of the organism	-0.0412	0.14%
Phytoplankton	Sockeye juvenile: Dietary absorption efficiency of water	-0.0408	0.14%
Daphnia	Mollusks: ED constant A	-0.0463	0.14%
Cutthroat Trout	Crayfish small: ED constant B	-0.0411	0.14%
Northern Pikeminnow	Prickly sculpin small: Lipid fraction in biota	0.0414	0.14%
Yellow Perch Large	Benthic invertebrates: Fraction of respiration that involves sediment pore water	0.0423	0.14%
Cutthroat Trout	Mysids: Dietary absorption efficiency of lipid	0.0411	0.14%
Yellow Perch Large	Cutthroat trout: Non-lipid organic matter fraction in biota	0.0422	0.14%
Phytoplankton	Crayfish Large: Non-lipid organic matter fraction in biota	0.0407	0.14%
Phytoplankton	Crayfish Large: Water fraction in biota	-0.0406	0.14%
Crayfish Small	Amphipods/Isopods: Water fraction in biota	0.0426	0.14%
Crayfish Small	Northern pikeminnow: Dietary absorption efficiency of non-lipid organic matter	-0.0426	0.14%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Longfin Smelt	Benthic invertebrates: Fraction of respiration that involves sediment pore water	0.0411	0.14%
Copepods	Mollusks: Wet weight of the organism	-0.0488	0.14%
Yellow Perch Small	Benthic invertebrates: Water fraction in biota	-0.0414	0.14%
Smallmouth Bass	Benthic invertebrates: Fraction of respiration that involves sediment pore water	0.0411	0.14%
Crayfish Small	Copepods: Lipid fraction in biota	0.0424	0.14%
Crayfish Large	Peamouth chub: Water fraction in biota	0.0426	0.14%
Crayfish Small	Stickleback: ED constant A	0.0424	0.14%
Yellow Perch Large	Cutthroat trout: Water fraction in biota	-0.0419	0.14%
Phytoplankton	Crayfish Large: Wet weight of the organism	-0.0403	0.14%
Northern Pikeminnow	Longfin smelt: Non-lipid organic matter fraction in biota	-0.0410	0.14%
Amphipods/Isopods	Phytoplankton: Water fraction in plant	-0.0476	0.14%
Crayfish Small	Amphipods/Isopods: Non-lipid organic matter fraction in biota	-0.0422	0.14%
Copepods	Daphnia: Water fraction in biota	-0.0485	0.14%
Prickly Sculpin Small	Daphnia: Non-lipid organic matter fraction in biota	-0.0422	0.14%
Daphnia	Amphipods/Isopods: ED constant A	0.0457	0.14%
Benthic Invertebrates	Abiotic parms: Concentration of POC in water	-0.0415	0.14%
Crayfish Large	Copepods: Dietary absorption efficiency of non-lipid organic matter	-0.0424	0.14%
Copepods	Benthic invertebrates: Wet weight of the organism	0.0483	0.14%
Prickly Sculpin Small	Abiotic parms: Concentration of suspended solids	-0.0421	0.14%
Sockeye Salmon (juv.)	Smallmouth bass: Wet weight of the organism	-0.0419	0.14%
Peamouth	Prickly sculpin small: Non-lipid organic matter fraction in biota	0.0388	0.14%
Crayfish Large	Mysids: ED constant B	-0.0422	0.14%
Prickly Sculpin Large	Longfin smelt: Dietary absorption efficiency of non-lipid organic matter	0.0414	0.14%
Cutthroat Trout	Crayfish small: Non-lipid organic matter fraction in biota	-0.0404	0.14%
Mysids	Crayfish small: Non-lipid organic matter fraction in biota	0.0396	0.14%
Prickly Sculpin Small	Cutthroat trout: ED constant A	-0.0419	0.14%
Cutthroat Trout	Crayfish small: Water fraction in biota	0.0403	0.14%
Mollusks	Sculpin: Dietary absorption efficiency of water	0.0431	0.14%
Sockeye Salmon (juv.)	Crayfish Large: Dietary absorption efficiency of water	-0.0418	0.14%
Copepods	Sculpin: Dietary absorption efficiency of non-lipid organic matter	0.0480	0.14%
Crayfish Large	Yellow perch large: Lipid fraction in biota	0.0420	0.14%
Threespine Stickleback	Yellow perch small:Wet weight of the organism	0.0401	0.14%
Copepods	Yellow perch large: Dietary absorption efficiency of non-lipid organic matter	-0.0478	0.14%
Mysids	Crayfish small: Water fraction in biota	-0.0394	0.14%
Cutthroat Trout	Northern pikeminnow: Water fraction in biota	-0.0401	0.14%
Phytoplankton	Mysids: Wet weight of the organism	-0.0397	0.14%
Mollusks	Stickleback: Lipid fraction in biota	0.0429	0.14%
Yellow Perch Small	Sockeye juvenile: Water fraction in biota	0.0405	0.14%
Threespine Stickleback	Daphnia: ED constant B	0.0399	0.14%
Crayfish Large	Abiotic parms: Proportionality constant for phase partitioning of POC	-0.0417	0.14%
Copepods	Mollusks: Lipid fraction in biota	-0.0476	0.14%
Amphipods/Isopods	Yellow perch small:ED constant B	-0.0467	0.13%
Mysids	Cutthroat trout: ED constant A	-0.0392	0.13%
Smallmouth Bass	Prickly sculpin small: Dietary absorption efficiency of water	-0.0402	0.13%
Copepods	Cutthroat trout: Dietary absorption efficiency of lipid	-0.0475	0.13%
Threespine Stickleback	Smallmouth bass: Dietary absorption efficiency of lipid	0.0398	0.13%
Cutthroat Trout	Sculpin: Dietary absorption efficiency of non-lipid organic matter	-0.0399	0.13%
Crayfish Small	General Bio: Density of lipids	-0.0413	0.13%
Copepods	Daphnia: Lipid fraction in biota	0.0475	0.13%
Crayfish Large	Daphnia: Wet weight of the organism	0.0416	0.13%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Peamouth	Sculpin: ED constant A	0.0382	0.13%
Prickly Sculpin Small	Abiotic parms: Concentration of DOC in water	-0.0413	0.13%
Sockeye Salmon (juv.)	Chem properties: Molecular weight	0.0412	0.13%
Crayfish Small	Peamouth chub: Lipid fraction in biota	-0.0411	0.13%
Prickly Sculpin Small	Sculpin: Wet weight of the organism	0.0411	0.13%
Sockeye Salmon (juv.)	Mollusks: Non-lipid organic matter fraction in biota	-0.0411	0.13%
Cutthroat Trout	Abiotic parms: Disequilibrium factor for DOC partitioning in water column	-0.0396	0.13%
Sockeye Salmon (juv.)	Mollusks: Dietary absorption efficiency of water	0.0411	0.13%
Crayfish Large	Mollusks: ED constant A	0.0413	0.13%
Yellow Perch Large	Peamouth chub: Wet weight of the organism	0.0406	0.13%
Benthic Invertebrates	Daphnia: Dietary absorption efficiency of water	-0.0403	0.13%
Peamouth	Northern pikeminnow: Dietary absorption efficiency of lipid	0.0379	0.13%
Sockeye Salmon (juv.)	Longfin smelt: Water fraction in biota	-0.0410	0.13%
Mollusks	Phytoplankton: Water fraction in plant	-0.0423	0.13%
Mollusks	Yellow perch small:Non-lipid organic matter fraction in biota	-0.0422	0.13%
Peamouth	Crayfish Large: ED constant A	0.0378	0.13%
Sockeye Salmon (juv.)	Phytoplankton: Growth rate constant	-0.0409	0.13%
Prickly Sculpin Large	Sculpin: Wet weight of the organism	0.0404	0.13%
Prickly Sculpin Small	Yellow perch small:Dietary absorption efficiency of water	0.0409	0.13%
Longfin Smelt	Benthic invertebrates: Dietary absorption efficiency of non-lipid organic matter	0.0395	0.13%
Yellow Perch Large	Peamouth chub: Dietary absorption efficiency of lipid	0.0405	0.13%
Phytoplankton	Sculpin: ED constant A	0.0390	0.13%
Prickly Sculpin Large	Crayfish small: ED constant B	-0.0403	0.13%
Phytoplankton	Prickly sculpin small: Wet weight of the organism	-0.0389	0.13%
Threespine Stickleback	Sculpin: Non-lipid organic matter fraction in biota	-0.0391	0.13%
Mysids	Peamouth chub: Wet weight of the organism	0.0386	0.13%
Sockeye Salmon (juv.)	Stickleback: ED constant B	0.0407	0.13%
Prickly Sculpin Small	Sculpin: Dietary absorption efficiency of water	0.0407	0.13%
Amphipods/Isopods	Crayfish small: Fraction of respiration that involves sediment pore water	0.0458	0.13%
Yellow Perch Large	Yellow perch small:Wet weight of the organism	0.0402	0.13%
Benthic Invertebrates	Daphnia: Water fraction in biota	0.0399	0.13%
Threespine Stickleback	Crayfish Large: Lipid fraction in biota	-0.0390	0.13%
Longfin Smelt	Mollusks: Water fraction in biota	0.0392	0.13%
Prickly Sculpin Large	Northern pikeminnow: ED constant A	-0.0400	0.13%
Yellow Perch Small	Amphipods/Isopods: Dietary absorption efficiency of non-lipid organic matter	-0.0395	0.13%
Amphipods/Isopods	Sockeye juvenile: Dietary absorption efficiency of non-lipid organic matter	-0.0457	0.13%
Mollusks	Longfin smelt: ED constant B	0.0418	0.13%
Threespine Stickleback	Peamouth chub: ED constant B	0.0389	0.13%
Yellow Perch Large	Northern pikeminnow: Non-lipid organic matter fraction in biota	0.0401	0.13%
Daphnia	Sculpin: ED constant B	0.0438	0.13%
Peamouth	Longfin smelt: Water fraction in biota	0.0374	0.13%
Daphnia	Northern pikeminnow: Dietary absorption efficiency of non-lipid organic matter	-0.0438	0.13%
Crayfish Small	Daphnia: Water fraction in biota	0.0404	0.13%
Threespine Stickleback	Northern pikeminnow: Dietary absorption efficiency of lipid	0.0387	0.13%
Northern Pikeminnow	Smallmouth bass: ED constant B	-0.0391	0.13%
Mollusks	Mysids: Dietary absorption efficiency of non-lipid organic matter	-0.0416	0.13%
Daphnia	Cutthroat trout: ED constant A	-0.0436	0.13%
Prickly Sculpin Small	Daphnia: ED constant B	-0.0403	0.13%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Sockeye Salmon (juv.)	Mollusks: Water fraction in biota	0.0402	0.13%
Sockeye Salmon (juv.)	Longfin smelt: ED constant B	0.0402	0.13%
Amphipods/Isopods	Northern pikeminnow: Lipid fraction in biota	0.0452	0.13%
Longfin Smelt	Abiotic parms: Concentration of DOC in water	-0.0388	0.13%
Crayfish Large	Prickly sculpin small: Non-lipid organic matter fraction in biota	0.0404	0.13%
Benthic Invertebrates	Mysids: Dietary absorption efficiency of water	-0.0394	0.13%
Mollusks	Mysids: Dietary absorption efficiency of water	-0.0414	0.13%
Threespine Stickleback	Sculpin: Water fraction in biota	0.0385	0.13%
Prickly Sculpin Small	Mollusks: Dietary absorption efficiency of lipid	-0.0401	0.13%
Mysids	Mollusks: Lipid fraction in biota	-0.0379	0.13%
Longfin Smelt	Copepods: ED constant B	-0.0386	0.13%
Crayfish Small	Yellow perch small:Lipid fraction in biota	-0.0400	0.13%
Amphipods/Isopods	Daphnia: Wet weight of the organism	-0.0450	0.13%
Cutthroat Trout	Northern pikeminnow: Wet weight of the organism	0.0385	0.13%
Crayfish Small	Copepods: Dietary absorption efficiency of water	0.0399	0.12%
Yellow Perch Large	Daphnia: Dietary absorption efficiency of lipid	0.0395	0.12%
Daphnia	Amphipods/Isopods: Fraction of respiration that involves sediment pore water	0.0432	0.12%
Mollusks	Prickly sculpin small: Non-lipid organic matter fraction in biota	-0.0411	0.12%
Crayfish Large	Prickly sculpin small: Water fraction in biota	-0.0401	0.12%
Mollusks	Sockeye juvenile: Fraction of respiration that involves sediment pore water	0.0411	0.12%
Crayfish Small	Mysids: Dietary absorption efficiency of water	-0.0398	0.12%
Peamouth	Amphipods/Isopods: Fraction of respiration that involves sediment pore water	-0.0368	0.12%
Yellow Perch Small	Sockeye juvenile: Non-lipid organic matter fraction in biota	-0.0387	0.12%
Peamouth	Prickly sculpin small: Water fraction in biota	-0.0368	0.12%
Phytoplankton	Sculpin: Fraction of respiration that involves sediment pore water	0.0379	0.12%
Mollusks	Yellow perch small:Water fraction in biota	0.0410	0.12%
Daphnia	Sockeye juvenile: Water fraction in biota	-0.0430	0.12%
Prickly Sculpin Small	Amphipods/Isopods: Fraction of respiration that involves sediment pore water	-0.0398	0.12%
Northern Pikeminnow	Longfin smelt: Dietary absorption efficiency of non-lipid organic matter	0.0385	0.12%
Mollusks	Amphipods/Isopods: Dietary absorption efficiency of water	0.0410	0.12%
Yellow Perch Large	Prickly sculpin small: Water fraction in biota	-0.0393	0.12%
Sockeye Salmon (juv.)	Amphipods/Isopods: Water fraction in biota	0.0396	0.12%
Sockeye Salmon (juv.)	Copepods: Wet weight of the organism	0.0396	0.12%
Yellow Perch Large	Cutthroat trout: ED constant B	-0.0393	0.12%
Northern Pikeminnow	Peamouth chub: Wet weight of the organism	0.0384	0.12%
Smallmouth Bass	Longfin smelt: Dietary absorption efficiency of non-lipid organic matter	0.0384	0.12%
Smallmouth Bass	Yellow perch small:Non-lipid organic matter fraction in biota	0.0384	0.12%
Northern Pikeminnow	Longfin smelt: Water fraction in biota	0.0384	0.12%
Prickly Sculpin Small	Longfin smelt: Non-lipid organic matter fraction in biota	0.0396	0.12%
Daphnia	Sculpin: Wet weight of the organism	-0.0428	0.12%
Cutthroat Trout	Cutthroat trout: ED constant B	-0.0381	0.12%
Peamouth	Mysids: Dietary absorption efficiency of lipid	0.0366	0.12%
Threespine Stickleback	Mysids: Non-lipid organic matter fraction in biota	-0.0380	0.12%
Crayfish Large	Crayfish Large: Wet weight of the organism	-0.0397	0.12%
Phytoplankton	Longfin smelt: Wet weight of the organism	-0.0377	0.12%
Longfin Smelt	Mollusks: Non-lipid organic matter fraction in biota	-0.0381	0.12%
Sockeye Salmon (juv.)	Amphipods/Isopods: Non-lipid organic matter fraction in biota	-0.0394	0.12%
Prickly Sculpin Large	Copepods: Dietary absorption efficiency of non-lipid organic matter	-0.0389	0.12%
Yellow Perch Small	Benthic invertebrates: Non-lipid organic matter fraction in biota	0.0384	0.12%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Yellow Perch Small	Northern pikeminnow: Dietary absorption efficiency of lipid	0.0384	0.12%
Cutthroat Trout	Smallmouth bass: Lipid fraction in biota	0.0379	0.12%
Crayfish Large	Abiotic parms: Concentration of suspended solids	0.0396	0.12%
Sockeye Salmon (juv.)	Longfin smelt: Non-lipid organic matter fraction in biota	0.0393	0.12%
Threespine Stickleback	Abiotic parms: Organic carbon content of sediment	-0.0378	0.12%
Sockeye Salmon (juv.)	Yellow perch large: Lipid fraction in biota	0.0393	0.12%
Mollusks	Stickleback: Dietary absorption efficiency of water	-0.0405	0.12%
Crayfish Large	Crayfish small: Dietary absorption efficiency of non-lipid organic matter	0.0395	0.12%
Mollusks	Northern pikeminnow: Dietary absorption efficiency of lipid	-0.0405	0.12%
Crayfish Small	Sockeye juvenile: Fraction of respiration that involves sediment pore water	-0.0392	0.12%
Prickly Sculpin Large	Yellow perch large: ED constant B	0.0387	0.12%
Benthic Invertebrates	Mollusks: Non-lipid organic matter fraction in biota	-0.0385	0.12%
Crayfish Small	Longfin smelt: Wet weight of the organism	0.0391	0.12%
Mollusks	Northern pikeminnow: ED constant B	-0.0403	0.12%
Amphipods/Isopods	Phytoplankton: Growth rate constant	-0.0440	0.12%
Yellow Perch Small	Sockeye juvenile: Dietary absorption efficiency of water	-0.0380	0.12%
Prickly Sculpin Large	Smallmouth bass: Dietary absorption efficiency of non-lipid organic matter	-0.0385	0.12%
Mysids	Crayfish Large: Dietary absorption efficiency of non-lipid organic matter	0.0369	0.12%
Daphnia	Yellow perch large: Dietary absorption efficiency of non-lipid organic matter	-0.0422	0.12%
Peamouth	Mysids: Non-lipid organic matter fraction in biota	-0.0360	0.12%
Smallmouth Bass	Mysids: ED constant B	0.0377	0.12%
Benthic Invertebrates	Northern pikeminnow: Dietary absorption efficiency of lipid	0.0382	0.12%
Longfin Smelt	Cutthroat trout: Dietary absorption efficiency of lipid	0.0375	0.12%
Longfin Smelt	Chem properties: Molecular weight	-0.0375	0.12%
Benthic Invertebrates	Longfin smelt: Non-lipid organic matter fraction in biota	0.0381	0.12%
Prickly Sculpin Small	Amphipods/Isopods: ED constant B	-0.0388	0.12%
Benthic Invertebrates	Yellow perch large: ED constant A	0.0381	0.12%
Prickly Sculpin Small	Longfin smelt: Water fraction in biota	-0.0388	0.12%
Copepods	Sculpin: ED constant A	0.0445	0.12%
Mysids	Cutthroat trout: Lipid fraction in biota	-0.0367	0.12%
Benthic Invertebrates	Daphnia: Non-lipid organic matter fraction in biota	-0.0381	0.12%
Threespine Stickleback	Cutthroat trout: Lipid fraction in biota	0.0372	0.12%
Sockeye Salmon (juv.)	Benthic invertebrates: ED constant A	-0.0387	0.12%
Crayfish Small	Abiotic parms: Concentration of POC in water	-0.0386	0.12%
Sockeye Salmon (juv.)	Peamouth chub: Dietary absorption efficiency of non-lipid organic matter	0.0386	0.12%
Prickly Sculpin Large	Daphnia: Dietary absorption efficiency of water	0.0382	0.12%
Mollusks	Prickly sculpin small: Water fraction in biota	0.0399	0.12%
Crayfish Large	Peamouth chub: Non-lipid organic matter fraction in biota	-0.0388	0.12%
Yellow Perch Large	Cutthroat trout: Lipid fraction in biota	0.0382	0.12%
Daphnia	Peamouth chub: Dietary absorption efficiency of non-lipid organic matter	0.0418	0.12%
Yellow Perch Small	Mysids: ED constant A	-0.0376	0.12%
Yellow Perch Large	Sockeye juvenile: Lipid fraction in biota	-0.0382	0.12%
Crayfish Small	Mysids: Wet weight of the organism	-0.0385	0.12%
Amphipods/Isopods	Stickleback: Lipid fraction in biota	-0.0433	0.12%
Peamouth	Sculpin: Dietary absorption efficiency of water	0.0356	0.12%
Yellow Perch Large	Prickly sculpin small: Non-lipid organic matter fraction in biota	0.0381	0.12%
Peamouth	Cutthroat trout: Dietary absorption efficiency of non-lipid organic matter	-0.0356	0.12%
Crayfish Small	Crayfish Large: Lipid fraction in biota	-0.0384	0.12%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Yellow Perch Large	Mysids: Wet weight of the organism	0.0381	0.12%
Yellow Perch Large	Mysids: Dietary absorption efficiency of non-lipid organic matter	0.0380	0.12%
Prickly Sculpin Small	Peamouth chub: Dietary absorption efficiency of water	-0.0384	0.12%
Crayfish Small	Daphnia: Non-lipid organic matter fraction in biota	-0.0384	0.12%
Daphnia	Mollusks: Non-lipid organic matter fraction in biota	0.0416	0.12%
Phytoplankton	Crayfish Large: ED constant A	-0.0366	0.12%
Copepods	Sockeye juvenile: Non-lipid organic matter fraction in biota	-0.0440	0.12%
Smallmouth Bass	Peamouth chub: ED constant A	-0.0371	0.12%
Smallmouth Bass	Phytoplankton: Growth rate constant	-0.0371	0.11%
Copepods	Smallmouth bass: Dietary absorption efficiency of non-lipid organic matter	-0.0439	0.11%
Benthic Invertebrates	Mollusks: Water fraction in biota	0.0376	0.11%
Yellow Perch Large	Phytoplankton: Water fraction in plant	-0.0378	0.11%
Sockeye Salmon (juv.)	Phytoplankton: Non-lipid organic carbon fraction in plant	-0.0381	0.11%
Yellow Perch Small	Mollusks: Lipid fraction in biota	0.0371	0.11%
Phytoplankton	Mysids: ED constant A	0.0363	0.11%
Crayfish Large	Sculpin: ED constant A	0.0383	0.11%
Yellow Perch Large	Longfin smelt: ED constant B	0.0377	0.11%
Threespine Stickleback	Cutthroat trout: ED constant A	0.0365	0.11%
Threespine Stickleback	Peamouth chub: Dietary absorption efficiency of water	-0.0365	0.11%
Peamouth	Sculpin: Dietary absorption efficiency of non-lipid organic matter	0.0351	0.11%
Phytoplankton	Crayfish small: Lipid fraction in biota	-0.0362	0.11%
Smallmouth Bass	Yellow perch small:Water fraction in biota	-0.0368	0.11%
Crayfish Small	Yellow perch small:Non-lipid organic matter fraction in biota	0.0379	0.11%
Yellow Perch Large	Smallmouth bass: Dietary absorption efficiency of lipid	0.0375	0.11%
Northern Pikeminnow	Prickly sculpin small: Water fraction in biota	-0.0368	0.11%
Threespine Stickleback	Mysids: Water fraction in biota	0.0364	0.11%
Yellow Perch Small	Sculpin: Dietary absorption efficiency of lipid	0.0369	0.11%
Cutthroat Trout	Northern pikeminnow: Non-lipid organic matter fraction in biota	0.0365	0.11%
Cutthroat Trout	Amphipods/Isopods: Lipid fraction in biota	0.0365	0.11%
Smallmouth Bass	Longfin smelt: ED constant B	0.0366	0.11%
Peamouth	Northern pikeminnow: Lipid fraction in biota	-0.0349	0.11%
Yellow Perch Small	Yellow perch small:Dietary absorption efficiency of water	0.0368	0.11%
Mysids	Yellow perch small:Dietary absorption efficiency of non-lipid organic matter	0.0357	0.11%
Benthic Invertebrates	Crayfish small: Lipid fraction in biota	-0.0371	0.11%
Mollusks	Crayfish Large: Non-lipid organic matter fraction in biota	-0.0389	0.11%
Prickly Sculpin Small	Sockeye juvenile: ED constant A	-0.0377	0.11%
Northern Pikeminnow	Amphipods/Isopods: ED constant A	-0.0366	0.11%
Daphnia	Crayfish small: Wet weight of the organism	0.0408	0.11%
Longfin Smelt	Mollusks: Lipid fraction in biota	-0.0364	0.11%
Sockeye Salmon (juv.)	Smallmouth bass: ED constant A	0.0376	0.11%
Phytoplankton	Stickleback: Dietary absorption efficiency of water	-0.0359	0.11%
Daphnia	Sockeye juvenile: Non-lipid organic matter fraction in biota	0.0407	0.11%
Copepods	Phytoplankton: Non-lipid organic carbon fraction in plant	0.0431	0.11%
Amphipods/Isopods	Yellow perch large: Dietary absorption efficiency of non-lipid organic matter	-0.0423	0.11%
Crayfish Large	Crayfish Large: Dietary absorption efficiency of water	0.0377	0.11%
Crayfish Small	Abiotic parms: Density of OC in sediment	0.0375	0.11%
Peamouth	Phytoplankton: Organic phase resistance constant	0.0347	0.11%
Mollusks	Stickleback: ED constant A	0.0387	0.11%
Mysids	Amphipods/Isopods: Lipid fraction in biota	-0.0354	0.11%
Cutthroat Trout	Phytoplankton: Non-lipid organic carbon fraction in plant	-0.0360	0.11%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Copepods	Sockeye juvenile: Water fraction in biota	0.0429	0.11%
Northern Pike minnow	Chem properties: LeBas molar volume	-0.0363	0.11%
Cutthroat Trout	Amphipods/Isopods: Dietary absorption efficiency of lipid	0.0360	0.11%
Prickly Sculpin Large	General Bio: Metabolic transformation rate	0.0369	0.11%
Prickly Sculpin Large	Yellow perch small:Wet weight of the organism	0.0368	0.11%
Sockeye Salmon (juv.)	Abiotic parms: Proportionality constant for phase partitioning of POC	-0.0373	0.11%
Northern Pike minnow	Sculpin: ED constant A	0.0362	0.11%
Daphnia	Northern pike minnow: ED constant A	0.0404	0.11%
Peamouth	Sculpin: ED constant B	0.0345	0.11%
Peamouth	Sockeye juvenile: Fraction of respiration that involves sediment pore water	-0.0345	0.11%
Benthic Invertebrates	Yellow perch small:Wet weight of the organism	0.0366	0.11%
Prickly Sculpin Small	Sculpin: Dietary absorption efficiency of lipid	0.0372	0.11%
Mysids	Phytoplankton: Organic phase resistance constant	-0.0351	0.11%
Phytoplankton	Stickleback: Water fraction in biota	0.0353	0.11%
Copepods	Stickleback: Dietary absorption efficiency of water	-0.0425	0.11%
Peamouth	Mysids: Water fraction in biota	0.0342	0.11%
Prickly Sculpin Small	Copepods: ED constant A	0.0370	0.11%
Yellow Perch Large	Mollusks: Dietary absorption efficiency of lipid	-0.0366	0.11%
Yellow Perch Small	Amphipods/Isopods: Dietary absorption efficiency of lipid	-0.0360	0.11%
Phytoplankton	Longfin smelt: Dietary absorption efficiency of non-lipid organic matter	0.0352	0.11%
Crayfish Small	Phytoplankton: Water fraction in plant	-0.0369	0.11%
Prickly Sculpin Small	Longfin smelt: Dietary absorption efficiency of lipid	0.0369	0.11%
Threespine Stickleback	Cutthroat trout: ED constant B	-0.0354	0.11%
Peamouth	Smallmouth bass: ED constant A	0.0341	0.11%
Crayfish Small	Yellow perch small:Water fraction in biota	-0.0368	0.11%
Daphnia	Mollusks: Water fraction in biota	-0.0399	0.11%
Prickly Sculpin Large	Stickleback: Dietary absorption efficiency of non-lipid organic matter	0.0363	0.11%
Prickly Sculpin Large	Cutthroat trout: ED constant B	-0.0363	0.11%
Prickly Sculpin Small	Smallmouth bass: Dietary absorption efficiency of lipid	0.0367	0.11%
Mollusks	Crayfish Large: Water fraction in biota	0.0378	0.11%
Cutthroat Trout	Yellow perch large: Water fraction in biota	0.0353	0.11%
Crayfish Large	Sockeye juvenile: Dietary absorption efficiency of non-lipid organic matter	0.0368	0.11%
Peamouth	Mysids: Dietary absorption efficiency of water	-0.0339	0.11%
Crayfish Large	Mysids: Wet weight of the organism	-0.0368	0.11%
Prickly Sculpin Large	Copepods: Non-lipid organic matter fraction in biota	-0.0360	0.10%
Mysids	Copepods: Wet weight of the organism	0.0345	0.10%
Copepods	Abiotic parms: Mean annual water temperature	0.0418	0.10%
Sockeye Salmon (juv.)	Amphipods/Isopods: Dietary absorption efficiency of water	-0.0364	0.10%
Yellow Perch Small	Peamouth chub: ED constant B	-0.0355	0.10%
Peamouth	Mollusks: Dietary absorption efficiency of lipid	-0.0336	0.10%
Daphnia	Yellow perch large: Non-lipid organic matter fraction in biota	0.0393	0.10%
Northern Pike minnow	Copepods: Lipid fraction in biota	-0.0352	0.10%
Prickly Sculpin Large	Longfin smelt: Non-lipid organic matter fraction in biota	0.0358	0.10%
Crayfish Small	Northern pike minnow: ED constant A	-0.0361	0.10%
Yellow Perch Small	Cutthroat trout: Dietary absorption efficiency of water	0.0352	0.10%
Sockeye Salmon (juv.)	Sockeye juvenile: Dietary absorption efficiency of water	-0.0361	0.10%
Northern Pike minnow	Prickly sculpin small: Non-lipid organic matter fraction in biota	0.0350	0.10%
Prickly Sculpin Large	Copepods: Water fraction in biota	0.0356	0.10%
Threespine Stickleback	Copepods: Dietary absorption efficiency of lipid	0.0347	0.10%
Sockeye Salmon (juv.)	Yellow perch small:Non-lipid organic matter fraction in biota	0.0360	0.10%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Longfin Smelt	Sockeye juvenile: Fraction of respiration that involves sediment pore water	-0.0348	0.10%
Yellow Perch Large	General Bio: Particle scavenging efficiency	-0.0357	0.10%
Phytoplankton	Sculpin: Wet weight of the organism	-0.0343	0.10%
Benthic Invertebrates	Mysids: Lipid fraction in biota	-0.0353	0.10%
Phytoplankton	Yellow perch large: Dietary absorption efficiency of non-lipid organic matter	-0.0343	0.10%
Benthic Invertebrates	Longfin smelt: Dietary absorption efficiency of non-lipid organic matter	-0.0353	0.10%
Daphnia	Cutthroat trout: Dietary absorption efficiency of non-lipid organic matter	-0.0388	0.10%
Mysids	Yellow perch small:Non-lipid organic matter fraction in biota	-0.0340	0.10%
Northern Pikeminnow	Yellow perch large: Dietary absorption efficiency of non-lipid organic matter	0.0348	0.10%
Mysids	Mollusks: ED constant A	-0.0339	0.10%
Yellow Perch Large	Crayfish Large: ED constant B	-0.0355	0.10%
Prickly Sculpin Small	Mollusks: Dietary absorption efficiency of non-lipid organic matter	-0.0359	0.10%
Prickly Sculpin Small	Stickleback: ED constant B	-0.0358	0.10%
Prickly Sculpin Small	Benthic invertebrates: ED constant A	0.0358	0.10%
Yellow Perch Small	Yellow perch small:Fraction of respiration that involves sediment pore water	-0.0348	0.10%
Mollusks	Mollusks: Dietary absorption efficiency of non-lipid organic matter	0.0368	0.10%
Prickly Sculpin Large	Longfin smelt: Water fraction in biota	-0.0352	0.10%
Crayfish Small	Sculpin: Fraction of respiration that involves sediment pore water	0.0357	0.10%
Threespine Stickleback	Copepods: ED constant A	0.0342	0.10%
Sockeye Salmon (juv.)	Crayfish Large: Dietary absorption efficiency of non-lipid organic matter	-0.0356	0.10%
Mysids	Sculpin: Dietary absorption efficiency of water	0.0337	0.10%
Prickly Sculpin Small	Yellow perch large: Dietary absorption efficiency of non-lipid organic matter	0.0356	0.10%
Threespine Stickleback	Abiotic parms: Proportionality constant for phase partitioning of POC	-0.0341	0.10%
Yellow Perch Large	Peamouth chub: Dietary absorption efficiency of water	0.0351	0.10%
Mollusks	Prickly sculpin small: Lipid fraction in biota	0.0366	0.10%
Prickly Sculpin Small	Longfin smelt: Dietary absorption efficiency of non-lipid organic matter	-0.0355	0.10%
Peamouth	Yellow perch small:Dietary absorption efficiency of non-lipid organic matter	-0.0327	0.10%
Daphnia	Cutthroat trout: Wet weight of the organism	0.0382	0.10%
Crayfish Small	Longfin smelt: Dietary absorption efficiency of water	-0.0353	0.10%
Mollusks	Mysids: Wet weight of the organism	-0.0364	0.10%
Yellow Perch Small	Peamouth chub: Dietary absorption efficiency of lipid	0.0343	0.10%
Prickly Sculpin Large	Peamouth chub: Lipid fraction in biota	-0.0348	0.10%
Sockeye Salmon (juv.)	Yellow perch small:Water fraction in biota	-0.0352	0.10%
Benthic Invertebrates	Stickleback: Dietary absorption efficiency of non-lipid organic matter	0.0346	0.10%
Amphipods/Isopods	Peamouth chub: Non-lipid organic matter fraction in biota	-0.0397	0.10%
Amphipods/Isopods	Peamouth chub: Lipid fraction in biota	-0.0396	0.10%
Threespine Stickleback	Northern pikeminnow: ED constant B	-0.0338	0.10%
Amphipods/Isopods	Cutthroat trout: Wet weight of the organism	0.0396	0.10%
Northern Pikeminnow	Longfin smelt: Wet weight of the organism	0.0341	0.10%
Daphnia	Sockeye juvenile: ED constant B	-0.0381	0.10%
Peamouth	Abiotic parms: Proportionality constant for phase partitioning of POC	0.0325	0.10%
Northern Pikeminnow	Stickleback: Dietary absorption efficiency of non-lipid organic matter	0.0341	0.10%
Mysids	Sculpin: Fraction of respiration that involves sediment pore water	0.0332	0.10%
Daphnia	Crayfish Large: Non-lipid organic matter fraction in biota	0.0380	0.10%
Daphnia	Crayfish Large: Water fraction in biota	-0.0380	0.10%
Phytoplankton	Stickleback: Non-lipid organic matter fraction in biota	-0.0334	0.10%
Sockeye Salmon (juv.)	Northern pikeminnow: Lipid fraction in biota	0.0350	0.10%
Amphipods/Isopods	Yellow perch large: Lipid fraction in biota	-0.0395	0.10%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Phytoplankton	Longfin smelt: Water fraction in biota	0.0334	0.10%
Northern Pike minnow	Daphnia: Dietary absorption efficiency of water	0.0339	0.10%
Crayfish Small	Crayfish small: Fraction of respiration that involves sediment pore water	0.0350	0.10%
Mysids	Yellow perch small: Lipid fraction in biota	0.0331	0.10%
Benthic Invertebrates	Amphipods/Isopods: Dietary absorption efficiency of lipid	0.0343	0.10%
Northern Pike minnow	Cutthroat trout: Lipid fraction in biota	0.0338	0.10%
Yellow Perch Small	General Bio: Non-lipid organic matter – octanol proportionality constant	0.0339	0.10%
Crayfish Small	Longfin smelt: Lipid fraction in biota	-0.0348	0.10%
Mollusks	Cutthroat trout: Non-lipid organic matter fraction in biota	-0.0359	0.09%
Cutthroat Trout	Yellow perch large: Wet weight of the organism	0.0335	0.09%
Northern Pike minnow	Crayfish Large: Water fraction in biota	0.0337	0.09%
Yellow Perch Small	Crayfish Large: Lipid fraction in biota	-0.0338	0.09%
Amphipods/Isopods	Yellow perch small: Water fraction in biota	0.0391	0.09%
Copepods	Crayfish small: Water fraction in biota	-0.0399	0.09%
Copepods	Crayfish small: Non-lipid organic matter fraction in biota	0.0398	0.09%
Benthic Invertebrates	Daphnia: Wet weight of the organism	-0.0341	0.09%
Northern Pike minnow	Crayfish Large: ED constant A	0.0336	0.09%
Copepods	Cutthroat trout: Dietary absorption efficiency of non-lipid organic matter	0.0398	0.09%
Daphnia	Sculpin: Fraction of respiration that involves sediment pore water	0.0375	0.09%
Cutthroat Trout	Copepods: ED constant B	0.0334	0.09%
Benthic Invertebrates	Longfin smelt: Water fraction in biota	-0.0340	0.09%
Mollusks	Mysids: Non-lipid organic matter fraction in biota	-0.0357	0.09%
Yellow Perch Small	Yellow perch large: Wet weight of the organism	0.0337	0.09%
Crayfish Small	Longfin smelt: Non-lipid organic matter fraction in biota	0.0346	0.09%
Yellow Perch Small	Prickly sculpin small: ED constant A	0.0337	0.09%
Daphnia	Abiotic parms: Organic carbon content of sediment	-0.0374	0.09%
Copepods	Mysids: Lipid fraction in biota	-0.0397	0.09%
Mollusks	Cutthroat trout: Water fraction in biota	0.0356	0.09%
Mollusks	Crayfish small: Dietary absorption efficiency of non-lipid organic matter	0.0356	0.09%
Threespine Stickleback	Prickly sculpin small: Wet weight of the organism	-0.0332	0.09%
Phytoplankton	Yellow perch small: Dietary absorption efficiency of lipid	0.0329	0.09%
Northern Pike minnow	Yellow perch large: Water fraction in biota	-0.0335	0.09%
Benthic Invertebrates	Peamouth chub: Dietary absorption efficiency of non-lipid organic matter	-0.0339	0.09%
Mysids	Abiotic parms: Mean annual water temperature	-0.0326	0.09%
Amphipods/Isopods	Peamouth chub: ED constant B	0.0388	0.09%
Phytoplankton	Mysids: Dietary absorption efficiency of water	-0.0328	0.09%
Amphipods/Isopods	Mysids: Lipid fraction in biota	0.0388	0.09%
Mysids	Sockeye juvenile: Dietary absorption efficiency of non-lipid organic matter	0.0326	0.09%
Cutthroat Trout	Amphipods/Isopods: Dietary absorption efficiency of non-lipid organic matter	0.0331	0.09%
Mysids	Yellow perch small: Water fraction in biota	0.0325	0.09%
Smallmouth Bass	Phytoplankton: Organic phase resistance constant	0.0333	0.09%
Daphnia	Yellow perch large: Water fraction in biota	-0.0372	0.09%
Longfin Smelt	Benthic invertebrates: ED constant A	-0.0332	0.09%
Smallmouth Bass	Amphipods/Isopods: Dietary absorption efficiency of water	-0.0333	0.09%
Yellow Perch Large	Stickleback: ED constant A	-0.0340	0.09%
Amphipods/Isopods	Mysids: ED constant A	-0.0386	0.09%
Phytoplankton	Longfin smelt: Non-lipid organic matter fraction in biota	-0.0327	0.09%
Copepods	Smallmouth bass: Lipid fraction in biota	0.0393	0.09%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Sockeye Salmon (juv.)	Abiotic parms: Disequilibrium factor for DOC partitioning in water column	-0.0342	0.09%
Cutthroat Trout	Mollusks: Dietary absorption efficiency of non-lipid organic matter	-0.0330	0.09%
Cutthroat Trout	Longfin smelt: Dietary absorption efficiency of water	-0.0330	0.09%
Amphipods/Isopods	Mysids: Dietary absorption efficiency of water	0.0385	0.09%
Smallmouth Bass	Yellow perch small:Wet weight of the organism	0.0332	0.09%
Amphipods/Isopods	Daphnia: Water fraction in biota	-0.0385	0.09%
Crayfish Small	Mollusks: ED constant A	0.0341	0.09%
Mysids	Peamouth chub: ED constant A	0.0323	0.09%
Cutthroat Trout	Yellow perch large: Non-lipid organic matter fraction in biota	-0.0329	0.09%
Yellow Perch Small	Northern pikeminnow: Dietary absorption efficiency of non-lipid organic matter	-0.0333	0.09%
Peamouth	Copepods: ED constant B	0.0315	0.09%
Crayfish Small	Stickleback: Water fraction in biota	0.0341	0.09%
Cutthroat Trout	Mysids: Wet weight of the organism	-0.0329	0.09%
Longfin Smelt	General Bio: Non-lipid organic matter – octanol proportionality constant	0.0329	0.09%
Amphipods/Isopods	Crayfish Large: Dietary absorption efficiency of non-lipid organic matter	0.0383	0.09%
Longfin Smelt	Sculpin: ED constant B	-0.0329	0.09%
Threespine Stickleback	Cutthroat trout: Dietary absorption efficiency of lipid	0.0327	0.09%
Peamouth	Sockeye juvenile: Dietary absorption efficiency of non-lipid organic matter	-0.0314	0.09%
Longfin Smelt	Amphipods/Isopods: ED constant B	0.0328	0.09%
Yellow Perch Small	Sculpin: Dietary absorption efficiency of non-lipid organic matter	0.0331	0.09%
Benthic Invertebrates	Copepods: Wet weight of the organism	0.0333	0.09%
Copepods	Mysids: Dietary absorption efficiency of lipid	0.0389	0.09%
Yellow Perch Large	Amphipods/Isopods: Wet weight of the organism	-0.0335	0.09%
Northern Pikeminnow	Crayfish Large: Non-lipid organic matter fraction in biota	-0.0328	0.09%
Mollusks	Copepods: Lipid fraction in biota	-0.0349	0.09%
Prickly Sculpin Small	Mollusks: ED constant A	-0.0338	0.09%
Prickly Sculpin Small	Crayfish Large: Wet weight of the organism	-0.0338	0.09%
Phytoplankton	Cutthroat trout: Wet weight of the organism	0.0322	0.09%
Crayfish Large	Yellow perch large: Fraction of respiration that involves sediment pore water	-0.0339	0.09%
Threespine Stickleback	Daphnia: ED constant A	0.0323	0.09%
Threespine Stickleback	Northern pikeminnow: Wet weight of the organism	0.0323	0.09%
Crayfish Small	Longfin smelt: Water fraction in biota	-0.0336	0.09%
Threespine Stickleback	General Bio: Density of lipids	-0.0323	0.09%
Sockeye Salmon (juv.)	Copepods: ED constant A	0.0336	0.09%
Mollusks	Yellow perch large: ED constant A	0.0346	0.09%
Longfin Smelt	Mollusks: Dietary absorption efficiency of lipid	0.0324	0.09%
Cutthroat Trout	Yellow perch small:Wet weight of the organism	0.0323	0.09%
Smallmouth Bass	Prickly sculpin small: Non-lipid organic matter fraction in biota	0.0325	0.09%
Daphnia	Daphnia: ED constant B	-0.0362	0.09%
Prickly Sculpin Large	Daphnia: Lipid fraction in biota	-0.0330	0.09%
Peamouth	Phytoplankton: Aqueous phase resistance constant	-0.0309	0.09%
Northern Pikeminnow	Sockeye juvenile: ED constant A	-0.0324	0.09%
Copepods	Yellow perch small:Dietary absorption efficiency of lipid	0.0384	0.09%
Smallmouth Bass	Prickly sculpin small: Water fraction in biota	-0.0324	0.09%
Cutthroat Trout	Northern pikeminnow: Lipid fraction in biota	0.0322	0.09%
Mollusks	Crayfish small: Fraction of respiration that involves sediment pore water	0.0344	0.09%
Peamouth	Stickleback: ED constant A	-0.0309	0.09%
Yellow Perch Large	Longfin smelt: Dietary absorption efficiency of water	-0.0330	0.09%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Phytoplankton	Sculpin: Dietary absorption efficiency of non-lipid organic matter	-0.0318	0.09%
Threespine Stickleback	Daphnia: Dietary absorption efficiency of non-lipid organic matter	-0.0320	0.09%
Prickly Sculpin Small	Crayfish Large: Non-lipid organic matter fraction in biota	0.0333	0.09%
Prickly Sculpin Small	Crayfish Large: Water fraction in biota	-0.0333	0.09%
Longfin Smelt	Stickleback: Non-lipid organic matter fraction in biota	0.0321	0.09%
Daphnia	Sculpin: Lipid fraction in biota	-0.0360	0.09%
Mysids	Mollusks: Water fraction in biota	0.0315	0.09%
Prickly Sculpin Large	Mollusks: Lipid fraction in biota	0.0328	0.09%
Smallmouth Bass	Benthic invertebrates: Wet weight of the organism	0.0322	0.09%
Yellow Perch Large	Sculpin: ED constant B	-0.0328	0.09%
Yellow Perch Large	Chem properties: LeBas molar volume	-0.0328	0.09%
Amphipods/Isopods	Yellow perch small:Non-lipid organic matter fraction in biota	-0.0373	0.09%
Copepods	Copepods: ED constant A	-0.0381	0.09%
Yellow Perch Small	Daphnia: Dietary absorption efficiency of water	0.0323	0.09%
Prickly Sculpin Small	Peamouth chub: Dietary absorption efficiency of lipid	0.0331	0.09%
Daphnia	Yellow perch small:ED constant B	-0.0359	0.09%
Crayfish Large	Yellow perch small:Water fraction in biota	0.0333	0.09%
Prickly Sculpin Small	Mollusks: Wet weight of the organism	-0.0331	0.09%
Crayfish Large	Mollusks: Dietary absorption efficiency of non-lipid organic matter	-0.0332	0.09%
Copepods	Stickleback: Water fraction in biota	0.0379	0.09%
Prickly Sculpin Small	Yellow perch small:Lipid fraction in biota	-0.0330	0.09%
Phytoplankton	Copepods: Wet weight of the organism	0.0315	0.09%
Mysids	Prickly sculpin small: ED constant A	0.0312	0.09%
Daphnia	Copepods: Wet weight of the organism	0.0356	0.09%
Crayfish Small	Daphnia: Dietary absorption efficiency of water	-0.0329	0.08%
Benthic Invertebrates	Crayfish Large: Dietary absorption efficiency of non-lipid organic matter	0.0323	0.08%
Crayfish Small	Smallmouth bass: Lipid fraction in biota	0.0328	0.08%
Phytoplankton	Yellow perch large: Fraction of respiration that involves sediment pore water	-0.0313	0.08%
Mollusks	Sockeye juvenile: Dietary absorption efficiency of water	-0.0339	0.08%
Cutthroat Trout	General Bio: Growth rate factor invert	0.0316	0.08%
Phytoplankton	Amphipods/Isopods: Wet weight of the organism	-0.0312	0.08%
Crayfish Small	Chem properties: LeBas molar volume	-0.0327	0.08%
Mysids	Mollusks: Non-lipid organic matter fraction in biota	-0.0310	0.08%
Benthic Invertebrates	Sockeye juvenile: Lipid fraction in biota	0.0321	0.08%
Sockeye Salmon (juv.)	Peamouth chub: Fraction of respiration that involves sediment pore water	-0.0327	0.08%
Yellow Perch Large	Yellow perch small:Fraction of respiration that involves sediment pore water	-0.0323	0.08%
Mysids	Peamouth chub: Dietary absorption efficiency of lipid	-0.0309	0.08%
Benthic Invertebrates	Mollusks: Wet weight of the organism	-0.0320	0.08%
Copepods	Northern pikeminnow: Lipid fraction in biota	0.0374	0.08%
Mysids	Mollusks: Dietary absorption efficiency of water	0.0308	0.08%
Prickly Sculpin Large	Longfin smelt: Dietary absorption efficiency of lipid	0.0321	0.08%
Yellow Perch Small	Stickleback: Dietary absorption efficiency of non-lipid organic matter	0.0317	0.08%
Cutthroat Trout	Abiotic parms: Disequilibrium factor for POC partitioning in water column	-0.0313	0.08%
Yellow Perch Large	Phytoplankton: Growth rate constant	0.0321	0.08%
Threespine Stickleback	Daphnia: Dietary absorption efficiency of water	0.0311	0.08%
Prickly Sculpin Large	Northern pikeminnow: Water fraction in biota	-0.0319	0.08%
Prickly Sculpin Large	Yellow perch large: Non-lipid organic matter fraction in biota	0.0319	0.08%
Mollusks	Mysids: Water fraction in biota	0.0334	0.08%
Threespine Stickleback	Prickly sculpin small: Dietary absorption efficiency of water	-0.0310	0.08%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Amphipods/Isopods	Sockeye juvenile: Fraction of respiration that involves sediment pore water	0.0363	0.08%
Northern Pikeminnow	Chem properties: Molecular weight	0.0313	0.08%
Cutthroat Trout	Crayfish Large: Fraction of respiration that involves sediment pore water	-0.0310	0.08%
Yellow Perch Small	Abiotic parms: DO concentration @ 90% saturation	0.0313	0.08%
Yellow Perch Small	Mysids: Dietary absorption efficiency of non-lipid organic matter	0.0313	0.08%
Crayfish Large	Longfin smelt: Lipid fraction in biota	-0.0323	0.08%
Benthic Invertebrates	Northern pikeminnow: ED constant B	0.0315	0.08%
Northern Pikeminnow	Crayfish small: Dietary absorption efficiency of lipid	-0.0311	0.08%
Peamouth	Sockeye juvenile: ED constant A	0.0296	0.08%
Phytoplankton	Chem properties: Molecular weight	0.0305	0.08%
Copepods	Sockeye juvenile: ED constant A	0.0367	0.08%
Yellow Perch Small	Northern pikeminnow: Dietary absorption efficiency of water	0.0311	0.08%
Northern Pikeminnow	Smallmouth bass: Dietary absorption efficiency of water	0.0310	0.08%
Prickly Sculpin Large	Yellow perch large: Water fraction in biota	-0.0315	0.08%
Northern Pikeminnow	Peamouth chub: Water fraction in biota	0.0309	0.08%
Cutthroat Trout	Longfin smelt: ED constant B	-0.0307	0.08%
Northern Pikeminnow	Crayfish small: ED constant A	0.0309	0.08%
Northern Pikeminnow	Benthic invertebrates: Water fraction in biota	-0.0309	0.08%
Copepods	Peamouth chub: Fraction of respiration that involves sediment pore water	0.0365	0.08%
Prickly Sculpin Large	Crayfish small: Dietary absorption efficiency of lipid	-0.0314	0.08%
Yellow Perch Small	Copepods: ED constant A	0.0309	0.08%
Peamouth	Daphnia: Wet weight of the organism	-0.0293	0.08%
Peamouth	Northern pikeminnow: Dietary absorption efficiency of non-lipid organic matter	-0.0293	0.08%
Prickly Sculpin Small	Peamouth chub: Dietary absorption efficiency of non-lipid organic matter	-0.0317	0.08%
Prickly Sculpin Small	Northern pikeminnow: Lipid fraction in biota	0.0317	0.08%
Smallmouth Bass	Abiotic parms: Concentration of DOC in water	-0.0307	0.08%
Mysids	Smallmouth bass: Dietary absorption efficiency of lipid	-0.0300	0.08%
Yellow Perch Large	Cutthroat trout: ED constant A	0.0313	0.08%
Amphipods/Isopods	Chem properties: LeBas molar volume	-0.0356	0.08%
Amphipods/Isopods	Daphnia: Non-lipid organic matter fraction in biota	0.0356	0.08%
Mysids	Amphipods/Isopods: Water fraction in biota	0.0299	0.08%
Northern Pikeminnow	Crayfish small: Dietary absorption efficiency of non-lipid organic matter	-0.0306	0.08%
Crayfish Large	Smallmouth bass: Dietary absorption efficiency of water	-0.0317	0.08%
Yellow Perch Small	Peamouth chub: Dietary absorption efficiency of water	0.0307	0.08%
Sockeye Salmon (juv.)	General Bio: Density of lipids	-0.0315	0.08%
Crayfish Large	Yellow perch small: Non-lipid organic matter fraction in biota	-0.0317	0.08%
Crayfish Large	Copepods: ED constant A	-0.0316	0.08%
Yellow Perch Large	Daphnia: Lipid fraction in biota	-0.0312	0.08%
Prickly Sculpin Small	Stickleback: Dietary absorption efficiency of non-lipid organic matter	0.0315	0.08%
Benthic Invertebrates	Yellow perch small: Fraction of respiration that involves sediment pore water	-0.0309	0.08%
Yellow Perch Small	Chem properties: LeBas molar volume	-0.0306	0.08%
Cutthroat Trout	Smallmouth bass: Wet weight of the organism	0.0303	0.08%
Daphnia	Sockeye juvenile: Wet weight of the organism	-0.0340	0.08%
Mysids	Amphipods/Isopods: Non-lipid organic matter fraction in biota	-0.0297	0.08%
Prickly Sculpin Large	Yellow perch large: Wet weight of the organism	0.0310	0.08%
Prickly Sculpin Large	Sculpin: ED constant A	0.0310	0.08%
Mysids	Northern pikeminnow: ED constant B	0.0297	0.08%
Copepods	Stickleback: Non-lipid organic matter fraction in biota	-0.0360	0.08%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Smallmouth Bass	Sockeye juvenile: Fraction of respiration that involves sediment pore water	-0.0304	0.08%
Yellow Perch Small	Sculpin: Water fraction in biota	-0.0305	0.08%
Threespine Stickleback	Mollusks: Dietary absorption efficiency of water	-0.0301	0.08%
Crayfish Small	Yellow perch large: ED constant A	0.0313	0.08%
Peamouth	Benthic invertebrates: Wet weight of the organism	0.0289	0.08%
Prickly Sculpin Small	Yellow perch large: Non-lipid organic matter fraction in biota	0.0313	0.08%
Threespine Stickleback	Cutthroat trout: Dietary absorption efficiency of non-lipid organic matter	0.0300	0.08%
Smallmouth Bass	Mollusks: Fraction of respiration that involves sediment pore water	-0.0302	0.08%
Smallmouth Bass	Daphnia: Dietary absorption efficiency of water	0.0302	0.08%
Prickly Sculpin Large	Mysids: Wet weight of the organism	0.0308	0.08%
Cutthroat Trout	Sculpin: Fraction of respiration that involves sediment pore water	-0.0301	0.08%
Mollusks	Amphipods/Isopods: Non-lipid organic matter fraction in biota	-0.0322	0.08%
Northern Pikeminnow	Yellow perch large: Non-lipid organic matter fraction in biota	0.0302	0.08%
Prickly Sculpin Large	Amphipods/Isopods: ED constant A	-0.0308	0.08%
Threespine Stickleback	Longfin smelt: ED constant A	0.0299	0.08%
Mollusks	Crayfish small: ED constant A	0.0321	0.08%
Sockeye Salmon (juv.)	Northern pikeminnow: Water fraction in biota	-0.0311	0.08%
Prickly Sculpin Small	Yellow perch large: Water fraction in biota	-0.0311	0.08%
Peamouth	Daphnia: Dietary absorption efficiency of lipid	-0.0288	0.08%
Yellow Perch Small	Sculpin: Fraction of respiration that involves sediment pore water	-0.0303	0.08%
Northern Pikeminnow	Crayfish small: Fraction of respiration that involves sediment pore water	-0.0302	0.08%
Northern Pikeminnow	Sculpin: Dietary absorption efficiency of non-lipid organic matter	0.0301	0.08%
Yellow Perch Small	General Bio: Particle scavenging efficiency	-0.0302	0.08%
Longfin Smelt	Mysids: ED constant A	-0.0300	0.08%
Copepods	Phytoplankton: Water fraction in plant	-0.0356	0.08%
Longfin Smelt	Smallmouth bass: ED constant A	0.0299	0.08%
Sockeye Salmon (juv.)	Longfin smelt: Wet weight of the organism	0.0310	0.08%
Mollusks	Amphipods/Isopods: Water fraction in biota	0.0319	0.08%
Peamouth	Prickly sculpin small: ED constant A	0.0286	0.08%
Daphnia	Copepods: ED constant B	0.0335	0.08%
Copepods	Longfin smelt: Wet weight of the organism	-0.0355	0.08%
Cutthroat Trout	Stickleback: Lipid fraction in biota	-0.0298	0.08%
Yellow Perch Small	Mysids: Wet weight of the organism	0.0301	0.08%
Mollusks	Daphnia: Dietary absorption efficiency of water	0.0319	0.07%
Amphipods/Isopods	Mysids: Non-lipid organic matter fraction in biota	-0.0348	0.07%
Copepods	Sockeye juvenile: Lipid fraction in biota	0.0355	0.07%
Daphnia	Daphnia: Dietary absorption efficiency of water	-0.0334	0.07%
Copepods	Longfin smelt: Dietary absorption efficiency of lipid	0.0354	0.07%
Peamouth	Longfin smelt: Dietary absorption efficiency of lipid	-0.0285	0.07%
Prickly Sculpin Large	Stickleback: Dietary absorption efficiency of water	-0.0304	0.07%
Yellow Perch Small	Stickleback: Lipid fraction in biota	-0.0300	0.07%
Yellow Perch Large	Peamouth chub: Non-lipid organic matter fraction in biota	0.0305	0.07%
Benthic Invertebrates	Yellow perch large: Fraction of respiration that involves sediment pore water	-0.0302	0.07%
Yellow Perch Small	Amphipods/Isopods: ED constant A	0.0299	0.07%
Yellow Perch Large	Prickly sculpin small: Dietary absorption efficiency of non-lipid organic matter	0.0304	0.07%
Yellow Perch Small	Peamouth chub: Water fraction in biota	0.0299	0.07%
Yellow Perch Large	Mollusks: Fraction of respiration that involves sediment pore water	0.0304	0.07%
Yellow Perch Small	Crayfish Large: Fraction of respiration that involves sediment pore water	-0.0299	0.07%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Benthic Invertebrates	Benthic invertebrates: Dietary absorption efficiency of water	0.0302	0.07%
Amphipods/Isopods	Stickleback: Dietary absorption efficiency of lipid	0.0346	0.07%
Yellow Perch Small	Sculpin: Non-lipid organic matter fraction in biota	0.0298	0.07%
Prickly Sculpin Small	Peamouth chub: ED constant A	-0.0306	0.07%
Copepods	Mollusks: ED constant A	-0.0351	0.07%
Yellow Perch Small	Amphipods/Isopods: Wet weight of the organism	-0.0298	0.07%
Mollusks	Benthic invertebrates: Fraction of respiration that involves sediment pore water	-0.0315	0.07%
Smallmouth Bass	Phytoplankton: Non-lipid organic carbon fraction in plant	0.0296	0.07%
Smallmouth Bass	Peamouth chub: ED constant B	-0.0296	0.07%
Sockeye Salmon (juv.)	Mollusks: Lipid fraction in biota	0.0305	0.07%
Sockeye Salmon (juv.)	Yellow perch small:Lipid fraction in biota	-0.0305	0.07%
Amphipods/Isopods	Benthic invertebrates: Dietary absorption efficiency of lipid	-0.0344	0.07%
Daphnia	Smallmouth bass: Water fraction in biota	-0.0330	0.07%
Phytoplankton	Crayfish Large: Dietary absorption efficiency of lipid	0.0291	0.07%
Mysids	Sculpin: ED constant B	0.0288	0.07%
Phytoplankton	Cutthroat trout: Dietary absorption efficiency of water	0.0291	0.07%
Cutthroat Trout	Mollusks: Dietary absorption efficiency of lipid	-0.0293	0.07%
Phytoplankton	Sockeye juvenile: Dietary absorption efficiency of lipid	-0.0290	0.07%
Prickly Sculpin Small	Smallmouth bass: Lipid fraction in biota	-0.0304	0.07%
Crayfish Small	Sockeye juvenile: Lipid fraction in biota	-0.0304	0.07%
Threespine Stickleback	Sockeye juvenile: ED constant A	-0.0292	0.07%
Yellow Perch Large	Yellow perch small:ED constant B	0.0300	0.07%
Sockeye Salmon (juv.)	General Bio: Non-lipid organic matter – octanol proportionality constant	0.0303	0.07%
Benthic Invertebrates	Mollusks: Dietary absorption efficiency of non-lipid organic matter	0.0298	0.07%
Daphnia	Benthic invertebrates: Water fraction in biota	-0.0328	0.07%
Peamouth	Crayfish Large: Dietary absorption efficiency of water	-0.0280	0.07%
Prickly Sculpin Large	Daphnia: Dietary absorption efficiency of non-lipid organic matter	0.0298	0.07%
Cutthroat Trout	Crayfish Large: Wet weight of the organism	-0.0291	0.07%
Yellow Perch Large	Abiotic parms: Concentration of suspended solids	0.0299	0.07%
Mollusks	Northern pikeminnow: Non-lipid organic matter fraction in biota	-0.0312	0.07%
Crayfish Large	Benthic invertebrates: Dietary absorption efficiency of water	0.0304	0.07%
Crayfish Large	Daphnia: Dietary absorption efficiency of water	-0.0303	0.07%
Threespine Stickleback	Amphipods/Isopods: Dietary absorption efficiency of water	-0.0289	0.07%
Daphnia	Smallmouth bass: Non-lipid organic matter fraction in biota	0.0326	0.07%
Mysids	General Bio: Particle scavenging efficiency	0.0285	0.07%
Mysids	Amphipods/Isopods: ED constant A	0.0285	0.07%
Longfin Smelt	Peamouth chub: Dietary absorption efficiency of non-lipid organic matter	0.0290	0.07%
Yellow Perch Small	Cutthroat trout: ED constant B	0.0293	0.07%
Longfin Smelt	Sockeye juvenile: Lipid fraction in biota	-0.0290	0.07%
Benthic Invertebrates	Mollusks: ED constant B	-0.0295	0.07%
Prickly Sculpin Large	Copepods: ED constant A	0.0296	0.07%
Daphnia	Crayfish Large: Fraction of respiration that involves sediment pore water	0.0325	0.07%
Amphipods/Isopods	Benthic invertebrates: Wet weight of the organism	0.0338	0.07%
Copepods	Crayfish Large: ED constant B	-0.0345	0.07%
Copepods	Mollusks: Fraction of respiration that involves sediment pore water	0.0344	0.07%
Yellow Perch Small	Benthic invertebrates: ED constant A	0.0292	0.07%
Cutthroat Trout	Peamouth chub: ED constant B	0.0289	0.07%
Yellow Perch Small	Benthic invertebrates: Dietary absorption efficiency of water	-0.0292	0.07%
Smallmouth Bass	Crayfish Large: ED constant B	0.0290	0.07%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Cutthroat Trout	Peamouth chub: Dietary absorption efficiency of non-lipid organic matter	-0.0288	0.07%
Benthic Invertebrates	Smallmouth bass: Lipid fraction in biota	0.0294	0.07%
Copepods	Crayfish small: Fraction of respiration that involves sediment pore water	0.0343	0.07%
Northern Pikeminnow	Northern pikeminnow: ED constant B	-0.0290	0.07%
Prickly Sculpin Small	Smallmouth bass: Wet weight of the organism	0.0298	0.07%
Longfin Smelt	Crayfish Large: Lipid fraction in biota	-0.0288	0.07%
Sockeye Salmon (juv.)	Mollusks: Fraction of respiration that involves sediment pore water	-0.0297	0.07%
Mysids	Sockeye juvenile: Lipid fraction in biota	0.0281	0.07%
Daphnia	Crayfish small: ED constant A	-0.0322	0.07%
Benthic Invertebrates	Peamouth chub: Dietary absorption efficiency of water	-0.0291	0.07%
Crayfish Large	General Bio: Density of lipids	-0.0298	0.07%
Peamouth	Prickly sculpin small: Wet weight of the organism	-0.0274	0.07%
Mollusks	Copepods: Dietary absorption efficiency of lipid	-0.0305	0.07%
Daphnia	Benthic invertebrates: Non-lipid organic matter fraction in biota	0.0320	0.07%
Prickly Sculpin Small	Daphnia: Wet weight of the organism	0.0296	0.07%
Amphipods/Isopods	Mollusks: Dietary absorption efficiency of water	-0.0333	0.07%
Crayfish Large	Longfin smelt: Non-lipid organic matter fraction in biota	0.0297	0.07%
Amphipods/Isopods	Copepods: Dietary absorption efficiency of non-lipid organic matter	0.0333	0.07%
Sockeye Salmon (juv.)	Cutthroat trout: Dietary absorption efficiency of water	-0.0295	0.07%
Sockeye Salmon (juv.)	Stickleback: ED constant A	-0.0295	0.07%
Northern Pikeminnow	Sockeye juvenile: Wet weight of the organism	0.0286	0.07%
Mysids	Stickleback: Dietary absorption efficiency of water	-0.0279	0.07%
Amphipods/Isopods	Prickly sculpin small: Lipid fraction in biota	0.0332	0.07%
Phytoplankton	Yellow perch small:Wet weight of the organism	0.0281	0.07%
Crayfish Small	Mollusks: Lipid fraction in biota	-0.0294	0.07%
Amphipods/Isopods	Cutthroat trout: Dietary absorption efficiency of non-lipid organic matter	0.0331	0.07%
Crayfish Small	Stickleback: Non-lipid organic matter fraction in biota	-0.0294	0.07%
Peamouth	Daphnia: ED constant A	0.0272	0.07%
Northern Pikeminnow	Peamouth chub: Dietary absorption efficiency of lipid	0.0285	0.07%
Sockeye Salmon (juv.)	Northern pikeminnow: Dietary absorption efficiency of water	0.0294	0.07%
Amphipods/Isopods	Prickly sculpin small: ED constant B	0.0331	0.07%
Benthic Invertebrates	Crayfish Large: Water fraction in biota	0.0289	0.07%
Mysids	Chem properties: Molecular weight	0.0278	0.07%
Yellow Perch Large	Peamouth chub: Fraction of respiration that involves sediment pore water	-0.0291	0.07%
Longfin Smelt	Yellow perch large: Dietary absorption efficiency of water	0.0283	0.07%
Smallmouth Bass	Yellow perch large: Lipid fraction in biota	-0.0284	0.07%
Longfin Smelt	Stickleback: Water fraction in biota	-0.0283	0.07%
Copepods	Abiotic parms: Density of OC in sediment	-0.0336	0.07%
Smallmouth Bass	General Bio: Growth rate factor invert	-0.0284	0.07%
Mysids	Benthic invertebrates: Lipid fraction in biota	-0.0277	0.07%
Benthic Invertebrates	Crayfish Large: Non-lipid organic matter fraction in biota	-0.0287	0.07%
Peamouth	Sculpin: Wet weight of the organism	0.0270	0.07%
Smallmouth Bass	Amphipods/Isopods: Fraction of respiration that involves sediment pore water	-0.0282	0.07%
Mysids	Daphnia: Dietary absorption efficiency of water	-0.0275	0.07%
Yellow Perch Small	Copepods: Dietary absorption efficiency of lipid	-0.0283	0.07%
Crayfish Large	Mysids: Lipid fraction in biota	-0.0292	0.07%
Yellow Perch Small	Mollusks: Water fraction in biota	-0.0283	0.07%
Phytoplankton	Sockeye juvenile: ED constant A	0.0276	0.07%
Yellow Perch Large	Stickleback: Wet weight of the organism	-0.0287	0.07%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Northern Pikeminnow	Cutthroat trout: Dietary absorption efficiency of non-lipid organic matter	0.0281	0.07%
Threespine Stickleback	Amphipods/Isopods: ED constant A	-0.0278	0.07%
Crayfish Small	Prickly sculpin small: ED constant A	-0.0290	0.07%
Cutthroat Trout	Copepods: Dietary absorption efficiency of water	0.0279	0.07%
Mysids	Amphipods/Isopods: Dietary absorption efficiency of non-lipid organic matter	-0.0274	0.07%
Smallmouth Bass	Prickly sculpin small: Dietary absorption efficiency of non-lipid organic matter	0.0280	0.07%
Benthic Invertebrates	Mysids: Wet weight of the organism	-0.0284	0.07%
Longfin Smelt	General Bio: Metabolic transformation rate	0.0279	0.07%
Crayfish Small	Mysids: ED constant B	-0.0288	0.07%
Cutthroat Trout	Prickly sculpin small: Dietary absorption efficiency of water	-0.0278	0.07%
Longfin Smelt	Crayfish Large: Dietary absorption efficiency of non-lipid organic matter	-0.0278	0.07%
Smallmouth Bass	Daphnia: Dietary absorption efficiency of non-lipid organic matter	0.0279	0.07%
Smallmouth Bass	Mysids: Wet weight of the organism	0.0279	0.07%
Longfin Smelt	Sockeye juvenile: Wet weight of the organism	-0.0278	0.06%
Northern Pikeminnow	Yellow perch large: Wet weight of the organism	0.0279	0.06%
Mysids	Sculpin: Dietary absorption efficiency of non-lipid organic matter	-0.0272	0.06%
Mollusks	Crayfish small: Dietary absorption efficiency of water	0.0296	0.06%
Crayfish Large	Copepods: Non-lipid organic matter fraction in biota	-0.0289	0.06%
Crayfish Small	Mollusks: Fraction of respiration that involves sediment pore water	-0.0287	0.06%
Copepods	Mysids: ED constant B	-0.0329	0.06%
Phytoplankton	Cutthroat trout: ED constant A	-0.0273	0.06%
Smallmouth Bass	Sculpin: ED constant A	-0.0278	0.06%
Threespine Stickleback	Longfin smelt: Dietary absorption efficiency of lipid	0.0275	0.06%
Daphnia	Abiotic parms: Disequilibrium factor for POC partitioning in water column	-0.0310	0.06%
Cutthroat Trout	Copepods: ED constant A	0.0276	0.06%
Yellow Perch Small	Cutthroat trout: Wet weight of the organism	-0.0279	0.06%
Crayfish Large	Northern pikeminnow: Water fraction in biota	-0.0288	0.06%
Amphipods/Isopods	Yellow perch large: Dietary absorption efficiency of lipid	0.0323	0.06%
Smallmouth Bass	Abiotic parms: Disequilibrium factor for POC partitioning in water column	0.0278	0.06%
Sockeye Salmon (juv.)	Daphnia: Wet weight of the organism	0.0286	0.06%
Copepods	Smallmouth bass: Dietary absorption efficiency of water	-0.0328	0.06%
Threespine Stickleback	Smallmouth bass: Water fraction in biota	-0.0275	0.06%
Daphnia	Crayfish Large: ED constant B	-0.0309	0.06%
Daphnia	Amphipods/Isopods: Wet weight of the organism	-0.0309	0.06%
Crayfish Large	Longfin smelt: Water fraction in biota	-0.0287	0.06%
Smallmouth Bass	Abiotic parms: Density of OC in sediment	0.0277	0.06%
Crayfish Large	Mollusks: Wet weight of the organism	-0.0287	0.06%
Threespine Stickleback	Phytoplankton: Non-lipid organic carbon fraction in plant	0.0274	0.06%
Crayfish Small	Crayfish Large: Non-lipid organic matter fraction in biota	0.0285	0.06%
Prickly Sculpin Small	Stickleback: Dietary absorption efficiency of lipid	0.0285	0.06%
Smallmouth Bass	Cutthroat trout: Wet weight of the organism	-0.0276	0.06%
Cutthroat Trout	Cutthroat trout: ED constant A	0.0274	0.06%
Prickly Sculpin Large	Yellow perch small: Fraction of respiration that involves sediment pore water	0.0280	0.06%
Cutthroat Trout	Sockeye juvenile: Water fraction in biota	0.0274	0.06%
Crayfish Small	Mollusks: Dietary absorption efficiency of non-lipid organic matter	-0.0284	0.06%
Northern Pikeminnow	Crayfish small: Lipid fraction in biota	-0.0275	0.06%
Phytoplankton	Stickleback: Lipid fraction in biota	-0.0270	0.06%
Longfin Smelt	Peamouth chub: Wet weight of the organism	0.0274	0.06%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Yellow Perch Small	Peamouth chub: Wet weight of the organism	-0.0276	0.06%
Prickly Sculpin Small	Cutthroat trout: Dietary absorption efficiency of non-lipid organic matter	-0.0283	0.06%
Yellow Perch Small	Crayfish Large: Wet weight of the organism	0.0276	0.06%
Peamouth	Sockeye juvenile: ED constant B	0.0261	0.06%
Cutthroat Trout	Daphnia: ED constant A	0.0272	0.06%
Crayfish Large	Yellow perch small:Wet weight of the organism	0.0284	0.06%
Yellow Perch Small	Mollusks: ED constant B	-0.0275	0.06%
Sockeye Salmon (juv.)	Cutthroat trout: Lipid fraction in biota	0.0282	0.06%
Mysids	Crayfish small: Dietary absorption efficiency of lipid	0.0267	0.06%
Longfin Smelt	Northern pikeminnow: Non-lipid organic matter fraction in biota	0.0273	0.06%
Yellow Perch Small	Copepods: Dietary absorption efficiency of water	0.0275	0.06%
Sockeye Salmon (juv.)	Crayfish small: ED constant B	-0.0282	0.06%
Threespine Stickleback	Yellow perch large: ED constant B	-0.0271	0.06%
Mollusks	Yellow perch small:Dietary absorption efficiency of lipid	0.0291	0.06%
Threespine Stickleback	Smallmouth bass: Non-lipid organic matter fraction in biota	0.0271	0.06%
Amphipods/Isopods	Mysids: Water fraction in biota	0.0317	0.06%
Daphnia	Mollusks: Dietary absorption efficiency of water	0.0305	0.06%
Phytoplankton	Longfin smelt: Dietary absorption efficiency of water	0.0268	0.06%
Benthic Invertebrates	Crayfish small: Dietary absorption efficiency of water	0.0276	0.06%
Copepods	Sockeye juvenile: Dietary absorption efficiency of non-lipid organic matter	-0.0322	0.06%
Yellow Perch Small	Phytoplankton: Growth rate constant	-0.0273	0.06%
Prickly Sculpin Small	Peamouth chub: Fraction of respiration that involves sediment pore water	-0.0280	0.06%
Northern Pikeminnow	Crayfish Large: Dietary absorption efficiency of water	-0.0272	0.06%
Northern Pikeminnow	Yellow perch small:Wet weight of the organism	-0.0271	0.06%
Cutthroat Trout	Amphipods/Isopods: Dietary absorption efficiency of water	-0.0270	0.06%
Northern Pikeminnow	Benthic invertebrates: Non-lipid organic matter fraction in biota	0.0271	0.06%
Prickly Sculpin Large	Crayfish Large: Dietary absorption efficiency of water	0.0276	0.06%
Mysids	Longfin smelt: Non-lipid organic matter fraction in biota	-0.0264	0.06%
Cutthroat Trout	Daphnia: Dietary absorption efficiency of non-lipid organic matter	-0.0269	0.06%
Prickly Sculpin Large	Northern pikeminnow: Dietary absorption efficiency of lipid	0.0275	0.06%
Northern Pikeminnow	Abiotic parms: Density of OC in sediment	-0.0270	0.06%
Smallmouth Bass	Sockeye juvenile: Dietary absorption efficiency of water	-0.0270	0.06%
Peamouth	Daphnia: Lipid fraction in biota	-0.0257	0.06%
Threespine Stickleback	Amphipods/Isopods: Lipid fraction in biota	-0.0267	0.06%
Copepods	Sculpin: Water fraction in biota	0.0320	0.06%
Longfin Smelt	Longfin smelt: Dietary absorption efficiency of water	-0.0269	0.06%
Copepods	General Bio: Density of lipids	-0.0319	0.06%
Mysids	Crayfish small: Lipid fraction in biota	-0.0263	0.06%
Crayfish Large	Cutthroat trout: ED constant B	-0.0279	0.06%
Longfin Smelt	Sockeye juvenile: Dietary absorption efficiency of lipid	0.0268	0.06%
Crayfish Small	Amphipods/Isopods: Wet weight of the organism	-0.0277	0.06%
Crayfish Small	Crayfish Large: Water fraction in biota	-0.0277	0.06%
Northern Pikeminnow	Sculpin: Wet weight of the organism	0.0269	0.06%
Mollusks	Northern pikeminnow: Water fraction in biota	0.0286	0.06%
Northern Pikeminnow	Peamouth chub: Dietary absorption efficiency of non-lipid organic matter	-0.0269	0.06%
Mollusks	Smallmouth bass: Lipid fraction in biota	0.0285	0.06%
Copepods	Sculpin: Non-lipid organic matter fraction in biota	-0.0317	0.06%
Crayfish Large	Northern pikeminnow: Lipid fraction in biota	0.0278	0.06%
Peamouth	Crayfish Large: Dietary absorption efficiency of non-lipid organic matter	0.0255	0.06%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Yellow Perch Small	Abiotic parms: Disequilibrium factor for DOC partitioning in water column	-0.0269	0.06%
Smallmouth Bass	Sockeye juvenile: Lipid fraction in biota	0.0268	0.06%
Copepods	Daphnia: ED constant A	0.0316	0.06%
Northern Pike minnow	Crayfish small: Water fraction in biota	0.0267	0.06%
Benthic Invertebrates	Sculpin: Dietary absorption efficiency of lipid	0.0271	0.06%
Cutthroat Trout	Northern pike minnow: Dietary absorption efficiency of lipid	-0.0265	0.06%
Longfin Smelt	Crayfish Large: Water fraction in biota	0.0266	0.06%
Phytoplankton	Stickleback: ED constant A	-0.0262	0.06%
Mollusks	Mollusks: Dietary absorption efficiency of water	0.0283	0.06%
Longfin Smelt	Daphnia: ED constant B	0.0265	0.06%
Crayfish Large	Mysids: Dietary absorption efficiency of lipid	0.0276	0.06%
Peamouth	Mysids: ED constant A	-0.0254	0.06%
Phytoplankton	Crayfish Large: Dietary absorption efficiency of water	0.0261	0.06%
Sockeye Salmon (juv.)	Yellow perch small: ED constant B	0.0274	0.06%
Prickly Sculpin Small	Crayfish small: Dietary absorption efficiency of lipid	-0.0274	0.06%
Yellow Perch Large	Crayfish small: Dietary absorption efficiency of non-lipid organic matter	0.0271	0.06%
Prickly Sculpin Large	Northern pike minnow: Non-lipid organic matter fraction in biota	0.0270	0.06%
Yellow Perch Small	Mollusks: Non-lipid organic matter fraction in biota	0.0266	0.06%
Peamouth	Crayfish Large: Lipid fraction in biota	-0.0253	0.06%
Threespine Stickleback	Sculpin: Dietary absorption efficiency of lipid	0.0263	0.06%
Daphnia	Sockeye juvenile: Lipid fraction in biota	0.0296	0.06%
Yellow Perch Small	Amphipods/Isopods: Lipid fraction in biota	0.0266	0.06%
Amphipods/Isopods	Crayfish small: ED constant B	0.0307	0.06%
Crayfish Large	Benthic invertebrates: Non-lipid organic matter fraction in biota	-0.0274	0.06%
Crayfish Large	Copepods: Water fraction in biota	0.0274	0.06%
Threespine Stickleback	Stickleback: Wet weight of the organism	0.0262	0.06%
Phytoplankton	Mysids: Non-lipid organic matter fraction in biota	-0.0260	0.06%
Prickly Sculpin Small	Peamouth chub: Water fraction in biota	0.0272	0.06%
Copepods	Longfin smelt: ED constant B	0.0313	0.06%
Yellow Perch Large	Benthic invertebrates: Water fraction in biota	-0.0269	0.06%
Cutthroat Trout	Phytoplankton: Water fraction in plant	0.0262	0.06%
Threespine Stickleback	Abiotic parms: Disequilibrium factor for POC partitioning in water column	-0.0261	0.06%
Copepods	General Bio: Growth rate factor invert	0.0312	0.06%
Benthic Invertebrates	Amphipods/Isopods: Dietary absorption efficiency of non-lipid organic matter	-0.0267	0.06%
Daphnia	Phytoplankton: Organic phase resistance constant	-0.0294	0.06%
Daphnia	Mysids: Wet weight of the organism	-0.0294	0.06%
Cutthroat Trout	Phytoplankton: Aqueous phase resistance constant	-0.0261	0.06%
Threespine Stickleback	Copepods: Dietary absorption efficiency of non-lipid organic matter	0.0261	0.06%
Yellow Perch Large	Yellow perch large: ED constant A	-0.0269	0.06%
Longfin Smelt	Sculpin: Fraction of respiration that involves sediment pore water	0.0262	0.06%
Benthic Invertebrates	Copepods: Dietary absorption efficiency of lipid	0.0267	0.06%
Threespine Stickleback	Northern pike minnow: Dietary absorption efficiency of non-lipid organic matter	0.0261	0.06%
Daphnia	Cutthroat trout: Dietary absorption efficiency of lipid	-0.0293	0.06%
Peamouth	Smallmouth bass: Lipid fraction in biota	-0.0250	0.06%
Phytoplankton	Cutthroat trout: ED constant B	0.0258	0.06%
Peamouth	Mollusks: Fraction of respiration that involves sediment pore water	0.0250	0.06%
Mysids	Phytoplankton: Aqueous phase resistance constant	-0.0256	0.06%
Benthic Invertebrates	Yellow perch small: Dietary absorption efficiency of water	0.0266	0.06%
Northern Pike minnow	Crayfish small: Non-lipid organic matter fraction in biota	-0.0262	0.06%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Crayfish Small	Amphipods/Isopods: Dietary absorption efficiency of water	-0.0270	0.06%
Cutthroat Trout	Sockeye juvenile: Non-lipid organic matter fraction in biota	-0.0261	0.06%
Phytoplankton	Mysids: Water fraction in biota	0.0258	0.06%
Mollusks	Crayfish small: ED constant B	-0.0279	0.06%
Prickly Sculpin Large	Daphnia: ED constant A	0.0267	0.06%
Prickly Sculpin Small	Benthic invertebrates: Non-lipid organic matter fraction in biota	-0.0270	0.06%
Mollusks	Copepods: ED constant A	0.0278	0.06%
Copepods	Abiotic parms: Disequilibrium factor for POC partitioning in water column	-0.0309	0.06%
Mysids	Crayfish Large: Non-lipid organic matter fraction in biota	0.0255	0.06%
Sockeye Salmon (juv.)	Mysids: Dietary absorption efficiency of non-lipid organic matter	0.0269	0.06%
Prickly Sculpin Large	Stickleback: Lipid fraction in biota	-0.0266	0.06%
Longfin Smelt	Crayfish Large: Non-lipid organic matter fraction in biota	-0.0260	0.06%
Longfin Smelt	Cutthroat trout: Dietary absorption efficiency of water	-0.0260	0.06%
Cutthroat Trout	Yellow perch large: Dietary absorption efficiency of water	0.0259	0.06%
Prickly Sculpin Large	Abiotic parms: Disequilibrium factor for DOC partitioning in water column	-0.0265	0.06%
Threespine Stickleback	Mollusks: Dietary absorption efficiency of lipid	-0.0258	0.06%
Crayfish Large	Yellow perch small:ED constant B	0.0270	0.06%
Smallmouth Bass	Mollusks: Dietary absorption efficiency of non-lipid organic matter	0.0260	0.06%
Longfin Smelt	Yellow perch large: Dietary absorption efficiency of lipid	0.0259	0.06%
Crayfish Small	Amphipods/Isopods: Lipid fraction in biota	-0.0268	0.06%
Prickly Sculpin Small	Mollusks: Fraction of respiration that involves sediment pore water	-0.0268	0.06%
Mysids	Crayfish Large: Water fraction in biota	-0.0253	0.06%
Northern Pike minnow	Mollusks: Wet weight of the organism	-0.0259	0.06%
Copepods	Smallmouth bass: Water fraction in biota	-0.0306	0.06%
Crayfish Large	Yellow perch large: Dietary absorption efficiency of water	-0.0268	0.06%
Yellow Perch Small	Daphnia: Lipid fraction in biota	0.0260	0.06%
Cutthroat Trout	Yellow perch large: ED constant B	-0.0257	0.06%
Yellow Perch Small	Daphnia: ED constant A	0.0260	0.06%
Copepods	General Bio: Particle scavenging efficiency	-0.0306	0.06%
Prickly Sculpin Small	Amphipods/Isopods: Non-lipid organic matter fraction in biota	-0.0266	0.06%
Crayfish Small	Copepods: Dietary absorption efficiency of non-lipid organic matter	-0.0266	0.06%
Amphipods/Isopods	Peamouth chub: ED constant A	0.0300	0.06%
Sockeye Salmon (juv.)	Crayfish small: Fraction of respiration that involves sediment pore water	-0.0266	0.06%
Threespine Stickleback	Crayfish Large: ED constant A	-0.0255	0.06%
Yellow Perch Large	Mysids: Dietary absorption efficiency of lipid	-0.0263	0.06%
Longfin Smelt	Benthic invertebrates: Dietary absorption efficiency of water	0.0257	0.06%
Copepods	Longfin smelt: Non-lipid organic matter fraction in biota	-0.0305	0.06%
Cutthroat Trout	Stickleback: Dietary absorption efficiency of non-lipid organic matter	0.0256	0.06%
Threespine Stickleback	Peamouth chub: Dietary absorption efficiency of non-lipid organic matter	-0.0255	0.06%
Amphipods/Isopods	Longfin smelt: Dietary absorption efficiency of non-lipid organic matter	0.0299	0.06%
Amphipods/Isopods	Sculpin: ED constant B	0.0299	0.06%
Mysids	Daphnia: ED constant B	0.0251	0.06%
Sockeye Salmon (juv.)	Sculpin: Dietary absorption efficiency of water	-0.0265	0.06%
Crayfish Small	Daphnia: Wet weight of the organism	0.0265	0.06%
Crayfish Small	Yellow perch small:Fraction of respiration that involves sediment pore water	-0.0265	0.06%
Prickly Sculpin Large	Yellow perch large: Dietary absorption efficiency of water	-0.0261	0.05%
Copepods	Prickly sculpin small: Lipid fraction in biota	-0.0304	0.05%
Crayfish Large	Amphipods/Isopods: Dietary absorption efficiency of water	-0.0266	0.05%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Mollusks	Prickly sculpin small: Dietary absorption efficiency of lipid	0.0273	0.05%
Longfin Smelt	Cutthroat trout: Dietary absorption efficiency of non-lipid organic matter	0.0255	0.05%
Crayfish Large	Yellow perch large: Wet weight of the organism	0.0266	0.05%
Northern Pikeminnow	Yellow perch large: Lipid fraction in biota	0.0256	0.05%
Mysids	Longfin smelt: ED constant B	0.0250	0.05%
Crayfish Small	Yellow perch large: Dietary absorption efficiency of lipid	-0.0264	0.05%
Amphipods/Isopods	Crayfish small: Lipid fraction in biota	-0.0297	0.05%
Daphnia	Yellow perch large: Dietary absorption efficiency of water	0.0286	0.05%
Phytoplankton	Peamouth chub: ED constant B	0.0251	0.05%
Prickly Sculpin Large	Cutthroat trout: Lipid fraction in biota	0.0260	0.05%
Mollusks	General Bio: Metabolic transformation rate	0.0271	0.05%
Benthic Invertebrates	Longfin smelt: Dietary absorption efficiency of water	0.0259	0.05%
Sockeye Salmon (juv.)	Mollusks: Dietary absorption efficiency of non-lipid organic matter	-0.0263	0.05%
Mysids	Phytoplankton: Lipid fraction in plant	-0.0248	0.05%
Yellow Perch Large	Daphnia: ED constant B	0.0259	0.05%
Smallmouth Bass	Sculpin: Wet weight of the organism	0.0254	0.05%
Peamouth	Abiotic parms: Density of OC in sediment	0.0242	0.05%
Mysids	Northern pikeminnow: Wet weight of the organism	-0.0248	0.05%
Yellow Perch Small	Mollusks: Wet weight of the organism	-0.0254	0.05%
Mollusks	Northern pikeminnow: Dietary absorption efficiency of water	-0.0269	0.05%
Prickly Sculpin Small	Smallmouth bass: Dietary absorption efficiency of water	-0.0261	0.05%
Sockeye Salmon (juv.)	Mollusks: Dietary absorption efficiency of lipid	-0.0261	0.05%
Benthic Invertebrates	Mysids: ED constant A	-0.0256	0.05%
Cutthroat Trout	Prickly sculpin small: Wet weight of the organism	0.0251	0.05%
Longfin Smelt	Northern pikeminnow: Water fraction in biota	-0.0251	0.05%
Daphnia	Crayfish small: Dietary absorption efficiency of lipid	0.0282	0.05%
Longfin Smelt	Peamouth chub: Dietary absorption efficiency of water	-0.0251	0.05%
Copepods	Benthic invertebrates: Non-lipid organic matter fraction in biota	0.0298	0.05%
Cutthroat Trout	Northern pikeminnow: Dietary absorption efficiency of water	0.0250	0.05%
Sockeye Salmon (juv.)	Longfin smelt: Dietary absorption efficiency of water	0.0260	0.05%
Prickly Sculpin Large	Benthic invertebrates: Dietary absorption efficiency of water	0.0256	0.05%
Yellow Perch Large	Prickly sculpin small: Lipid fraction in biota	0.0257	0.05%
Smallmouth Bass	Sockeye juvenile: ED constant B	0.0251	0.05%
Smallmouth Bass	Mysids: Dietary absorption efficiency of non-lipid organic matter	0.0250	0.05%
Copepods	Benthic invertebrates: Water fraction in biota	-0.0296	0.05%
Threespine Stickleback	Yellow perch small: ED constant A	-0.0248	0.05%
Prickly Sculpin Large	Prickly sculpin small: Wet weight of the organism	-0.0254	0.05%
Copepods	Longfin smelt: Water fraction in biota	0.0296	0.05%
Mysids	Daphnia: Lipid fraction in biota	0.0244	0.05%
Smallmouth Bass	Prickly sculpin small: ED constant B	-0.0250	0.05%
Yellow Perch Large	Longfin smelt: ED constant A	0.0255	0.05%
Mysids	Benthic invertebrates: ED constant A	-0.0244	0.05%
Mollusks	Crayfish Large: Dietary absorption efficiency of water	0.0265	0.05%
Mysids	Yellow perch large: ED constant A	0.0243	0.05%
Peamouth	Sculpin: Dietary absorption efficiency of lipid	0.0237	0.05%
Prickly Sculpin Small	Crayfish Large: Fraction of respiration that involves sediment pore water	-0.0257	0.05%
Peamouth	Copepods: ED constant A	0.0237	0.05%
Sockeye Salmon (juv.)	Sculpin: Dietary absorption efficiency of lipid	0.0256	0.05%
Mollusks	Daphnia: Dietary absorption efficiency of lipid	-0.0264	0.05%
Phytoplankton	Copepods: Water fraction in biota	-0.0244	0.05%
Mysids	Cutthroat trout: Dietary absorption efficiency of water	0.0243	0.05%
Amphipods/Isopods	Benthic invertebrates: Water fraction in biota	-0.0288	0.05%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Threespine Stickleback	Sculpin: Lipid fraction in biota	0.0246	0.05%
Daphnia	Phytoplankton: Lipid fraction in plant	-0.0277	0.05%
Mollusks	Cutthroat trout: ED constant A	0.0264	0.05%
Mollusks	Prickly sculpin small: ED constant A	0.0264	0.05%
Daphnia	General Bio: Growth rate factor fish	-0.0277	0.05%
Yellow Perch Small	Amphipods/Isopods: Fraction of respiration that involves sediment pore water	-0.0249	0.05%
Prickly Sculpin Large	Smallmouth bass: Wet weight of the organism	-0.0252	0.05%
Prickly Sculpin Small	Sockeye juvenile: ED constant B	0.0255	0.05%
Daphnia	Stickleback: Lipid fraction in biota	0.0276	0.05%
Peamouth	Cutthroat trout: Dietary absorption efficiency of water	-0.0236	0.05%
Crayfish Small	Daphnia: Dietary absorption efficiency of non-lipid organic matter	-0.0255	0.05%
Crayfish Large	Yellow perch small:Dietary absorption efficiency of water	0.0256	0.05%
Yellow Perch Large	Prickly sculpin small: ED constant B	-0.0252	0.05%
Phytoplankton	Amphipods/Isopods: ED constant B	-0.0242	0.05%
Copepods	Sculpin: Fraction of respiration that involves sediment pore water	0.0292	0.05%
Threespine Stickleback	Sculpin: ED constant B	0.0244	0.05%
Mollusks	Yellow perch small:Wet weight of the organism	0.0262	0.05%
Northern Pikeminnow	Longfin smelt: ED constant A	0.0246	0.05%
Daphnia	General Bio: Particle scavenging efficiency	-0.0274	0.05%
Daphnia	General Bio: Growth rate factor invert	0.0274	0.05%
Amphipods/Isopods	Sockeye juvenile: Non-lipid organic matter fraction in biota	0.0285	0.05%
Crayfish Large	Sculpin: Dietary absorption efficiency of non-lipid organic matter	0.0255	0.05%
Prickly Sculpin Small	Amphipods/Isopods: Water fraction in biota	0.0253	0.05%
Copepods	Prickly sculpin small: Wet weight of the organism	-0.0291	0.05%
Benthic Invertebrates	Copepods: ED constant A	0.0249	0.05%
Longfin Smelt	Prickly sculpin small: ED constant B	0.0245	0.05%
Peamouth	Crayfish Large: Fraction of respiration that involves sediment pore water	-0.0234	0.05%
Longfin Smelt	Amphipods/Isopods: Dietary absorption efficiency of water	0.0244	0.05%
Prickly Sculpin Small	Yellow perch small:ED constant B	0.0253	0.05%
Mysids	Northern pikeminnow: Dietary absorption efficiency of lipid	0.0239	0.05%
Copepods	Northern pikeminnow: Dietary absorption efficiency of lipid	-0.0290	0.05%
Copepods	Crayfish small: Dietary absorption efficiency of lipid	0.0290	0.05%
Sockeye Salmon (juv.)	Northern pikeminnow: Wet weight of the organism	-0.0252	0.05%
Mysids	Cutthroat trout: ED constant B	0.0239	0.05%
Amphipods/Isopods	Yellow perch small:Dietary absorption efficiency of non-lipid organic matter	0.0284	0.05%
Prickly Sculpin Small	Abiotic parms: Disequilibrium factor for DOC partitioning in water column	-0.0252	0.05%
Longfin Smelt	Stickleback: Wet weight of the organism	-0.0243	0.05%
Longfin Smelt	Prickly sculpin small: Dietary absorption efficiency of non-lipid organic matter	-0.0243	0.05%
Daphnia	Yellow perch small:ED constant A	-0.0272	0.05%
Copepods	Crayfish small: Dietary absorption efficiency of water	-0.0289	0.05%
Sockeye Salmon (juv.)	Daphnia: Dietary absorption efficiency of water	-0.0251	0.05%
Phytoplankton	Copepods: Non-lipid organic matter fraction in biota	0.0240	0.05%
Threespine Stickleback	Chem properties: LeBas molar volume	-0.0241	0.05%
Daphnia	Crayfish Large: Dietary absorption efficiency of water	0.0272	0.05%
Daphnia	Yellow perch small:Dietary absorption efficiency of water	0.0272	0.05%
Northern Pikeminnow	General Bio: Growth rate factor invert	-0.0243	0.05%
Threespine Stickleback	Cutthroat trout: Wet weight of the organism	-0.0241	0.05%
Phytoplankton	Daphnia: Dietary absorption efficiency of water	-0.0239	0.05%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Sockeye Salmon (juv.)	Yellow perch large: Fraction of respiration that involves sediment pore water	-0.0250	0.05%
Longfin Smelt	Stickleback: Dietary absorption efficiency of lipid	0.0241	0.05%
Threespine Stickleback	Abiotic parms: Density of OC in sediment	-0.0239	0.05%
Crayfish Large	Daphnia: ED constant B	0.0250	0.05%
Daphnia	Prickly sculpin small: Wet weight of the organism	-0.0269	0.05%
Amphipods/Isopods	Benthic invertebrates: Non-lipid organic matter fraction in biota	0.0280	0.05%
Prickly Sculpin Large	Crayfish Large: Fraction of respiration that involves sediment pore water	-0.0245	0.05%
Cutthroat Trout	Yellow perch small: Dietary absorption efficiency of non-lipid organic matter	0.0240	0.05%
Crayfish Small	Mysids: Lipid fraction in biota	-0.0248	0.05%
Amphipods/Isopods	Sockeye juvenile: Water fraction in biota	-0.0280	0.05%
Smallmouth Bass	Crayfish Large: Wet weight of the organism	0.0241	0.05%
Amphipods/Isopods	Longfin smelt: ED constant B	-0.0280	0.05%
Prickly Sculpin Large	Abiotic parms: Concentration of POC in water	-0.0245	0.05%
Amphipods/Isopods	Crayfish small: Dietary absorption efficiency of lipid	-0.0279	0.05%
Benthic Invertebrates	Cutthroat trout: Lipid fraction in biota	0.0243	0.05%
Mollusks	Benthic invertebrates: Wet weight of the organism	-0.0255	0.05%
Amphipods/Isopods	Crayfish Large: ED constant B	0.0278	0.05%
Copepods	Smallmouth bass: Non-lipid organic matter fraction in biota	0.0284	0.05%
Mysids	Copepods: ED constant B	0.0234	0.05%
Prickly Sculpin Large	Peamouth chub: Dietary absorption efficiency of lipid	0.0244	0.05%
Sockeye Salmon (juv.)	Northern pikeminnow: Non-lipid organic matter fraction in biota	0.0247	0.05%
Longfin Smelt	Northern pikeminnow: Wet weight of the organism	-0.0238	0.05%
Northern Pikeminnow	General Bio: Particle scavenging efficiency	-0.0239	0.05%
Benthic Invertebrates	Phytoplankton: Organic phase resistance constant	0.0242	0.05%
Phytoplankton	Benthic invertebrates: Lipid fraction in biota	0.0235	0.05%
Prickly Sculpin Small	Longfin smelt: Lipid fraction in biota	-0.0246	0.05%
Yellow Perch Small	Yellow perch large: Dietary absorption efficiency of water	0.0239	0.05%
Peamouth	Mollusks: ED constant B	-0.0227	0.05%
Peamouth	Cutthroat trout: Dietary absorption efficiency of lipid	-0.0227	0.05%
Prickly Sculpin Small	Cutthroat trout: Dietary absorption efficiency of water	0.0245	0.05%
Crayfish Large	Yellow perch small: Fraction of respiration that involves sediment pore water	-0.0246	0.05%
Crayfish Small	Phytoplankton: Non-lipid organic carbon fraction in plant	0.0245	0.05%
Threespine Stickleback	General Bio: Particle scavenging efficiency	-0.0235	0.05%
Cutthroat Trout	Cutthroat trout: Water fraction in biota	-0.0236	0.05%
Prickly Sculpin Small	Crayfish small: Dietary absorption efficiency of non-lipid organic matter	-0.0245	0.05%
Yellow Perch Small	Smallmouth bass: Dietary absorption efficiency of non-lipid organic matter	-0.0238	0.05%
Longfin Smelt	Crayfish small: Dietary absorption efficiency of water	0.0236	0.05%
Prickly Sculpin Large	Crayfish Large: ED constant B	0.0241	0.05%
Northern Pikeminnow	Yellow perch large: ED constant A	0.0237	0.05%
Amphipods/Isopods	Yellow perch large: ED constant A	0.0275	0.05%
Phytoplankton	Prickly sculpin small: Dietary absorption efficiency of lipid	-0.0232	0.05%
Smallmouth Bass	Copepods: Non-lipid organic matter fraction in biota	-0.0236	0.05%
Prickly Sculpin Small	Yellow perch small: ED constant A	0.0244	0.05%
Crayfish Small	Prickly sculpin small: Dietary absorption efficiency of water	-0.0243	0.05%
Phytoplankton	Mollusks: Dietary absorption efficiency of water	-0.0232	0.05%
Crayfish Small	Sockeye juvenile: ED constant B	0.0243	0.05%
Phytoplankton	Benthic invertebrates: Fraction of respiration that involves sediment pore water	0.0231	0.05%
Prickly Sculpin Large	Northern pikeminnow: ED constant B	0.0239	0.05%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Smallmouth Bass	Phytoplankton: Lipid fraction in plant	-0.0235	0.05%
Northern Pike minnow	Yellow perch small: Non-lipid organic matter fraction in biota	0.0235	0.05%
Crayfish Large	Northern pike minnow: Non-lipid organic matter fraction in biota	0.0243	0.05%
Mysids	Stickleback: Wet weight of the organism	0.0229	0.05%
Smallmouth Bass	Crayfish small: Dietary absorption efficiency of non-lipid organic matter	-0.0235	0.05%
Daphnia	Smallmouth bass: ED constant A	-0.0262	0.05%
Longfin Smelt	Phytoplankton: Non-lipid organic carbon fraction in plant	0.0234	0.05%
Prickly Sculpin Small	Benthic invertebrates: Water fraction in biota	0.0242	0.05%
Benthic Invertebrates	General Bio: Growth rate factor fish	0.0237	0.05%
Smallmouth Bass	General Bio: Metabolic transformation rate	0.0234	0.05%
Smallmouth Bass	Copepods: Water fraction in biota	0.0234	0.05%
Longfin Smelt	Benthic invertebrates: Dietary absorption efficiency of lipid	0.0233	0.05%
Phytoplankton	Sculpin: Lipid fraction in biota	-0.0230	0.05%
Yellow Perch Small	Yellow perch large: ED constant B	0.0235	0.05%
Northern Pike minnow	Copepods: ED constant A	0.0233	0.05%
Copepods	Benthic invertebrates: Fraction of respiration that involves sediment pore water	-0.0276	0.05%
Mysids	Smallmouth bass: Dietary absorption efficiency of non-lipid organic matter	-0.0228	0.05%
Mollusks	Benthic invertebrates: Lipid fraction in biota	0.0248	0.05%
Peamouth	Copepods: Dietary absorption efficiency of water	0.0222	0.05%
Threespine Stickleback	Crayfish small: Dietary absorption efficiency of non-lipid organic matter	-0.0230	0.04%
Yellow Perch Large	Benthic invertebrates: Non-lipid organic matter fraction in biota	0.0237	0.04%
Yellow Perch Small	Phytoplankton: Non-lipid organic carbon fraction in plant	0.0233	0.04%
Prickly Sculpin Small	Sculpin: Lipid fraction in biota	-0.0239	0.04%
Yellow Perch Large	Sculpin: Dietary absorption efficiency of water	0.0236	0.04%
Mollusks	Daphnia: ED constant A	-0.0246	0.04%
Copepods	Amphipods/Isopods: Lipid fraction in biota	-0.0274	0.04%
Crayfish Small	Sockeye juvenile: Dietary absorption efficiency of water	-0.0238	0.04%
Peamouth	Abiotic parms: Disequilibrium factor for POC partitioning in water column	0.0221	0.04%
Benthic Invertebrates	Sockeye juvenile: Dietary absorption efficiency of non-lipid organic matter	-0.0234	0.04%
Crayfish Large	Smallmouth bass: ED constant A	-0.0239	0.04%
Crayfish Large	Sockeye juvenile: Fraction of respiration that involves sediment pore water	0.0239	0.04%
Threespine Stickleback	Yellow perch small: Non-lipid organic matter fraction in biota	-0.0228	0.04%
Yellow Perch Small	Northern pike minnow: ED constant A	-0.0231	0.04%
Yellow Perch Small	Longfin smelt: Dietary absorption efficiency of water	0.0231	0.04%
Crayfish Large	Crayfish small: ED constant B	-0.0239	0.04%
Crayfish Small	Mollusks: ED constant B	0.0237	0.04%
Smallmouth Bass	Stickleback: Lipid fraction in biota	-0.0230	0.04%
Smallmouth Bass	Smallmouth bass: Dietary absorption efficiency of water	0.0230	0.04%
Crayfish Large	Benthic invertebrates: Water fraction in biota	0.0238	0.04%
Smallmouth Bass	Benthic invertebrates: Dietary absorption efficiency of non-lipid organic matter	0.0230	0.04%
Mysids	Sockeye juvenile: Wet weight of the organism	0.0224	0.04%
Longfin Smelt	Prickly sculpin small: Dietary absorption efficiency of water	-0.0228	0.04%
Crayfish Large	Smallmouth bass: Lipid fraction in biota	-0.0238	0.04%
Amphipods/Isopods	Cutthroat trout: Lipid fraction in biota	-0.0266	0.04%
Yellow Perch Small	Copepods: Wet weight of the organism	0.0230	0.04%
Mollusks	Mysids: ED constant A	0.0244	0.04%
Mollusks	Yellow perch small: Lipid fraction in biota	0.0243	0.04%
Amphipods/Isopods	Smallmouth bass: Non-lipid organic matter fraction in biota	0.0266	0.04%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Yellow Perch Small	General Bio: Growth rate factor invert	0.0229	0.04%
Cutthroat Trout	Daphnia: Wet weight of the organism	-0.0227	0.04%
Threespine Stickleback	Copepods: Dietary absorption efficiency of water	0.0226	0.04%
Mollusks	Chem properties: Molecular weight	0.0243	0.04%
Mysids	Peamouth chub: Fraction of respiration that involves sediment pore water	0.0222	0.04%
Sockeye Salmon (juv.)	Copepods: Lipid fraction in biota	0.0234	0.04%
Phytoplankton	Sockeye juvenile: Lipid fraction in biota	0.0224	0.04%
Crayfish Small	Northern pikeminnow: Wet weight of the organism	0.0234	0.04%
Crayfish Small	General Bio: Growth rate factor fish	0.0234	0.04%
Threespine Stickleback	Mollusks: Dietary absorption efficiency of non-lipid organic matter	-0.0225	0.04%
Cutthroat Trout	Northern pikeminnow: Dietary absorption efficiency of non-lipid organic matter	0.0226	0.04%
Longfin Smelt	Amphipods/Isopods: Dietary absorption efficiency of non-lipid organic matter	0.0226	0.04%
Prickly Sculpin Large	Mollusks: Dietary absorption efficiency of water	-0.0231	0.04%
Cutthroat Trout	Sculpin: ED constant A	-0.0225	0.04%
Threespine Stickleback	Yellow perch small: Fraction of respiration that involves sediment pore water	-0.0224	0.04%
Daphnia	Peamouth chub: ED constant A	-0.0253	0.04%
Mysids	Longfin smelt: Water fraction in biota	0.0221	0.04%
Crayfish Small	Peamouth chub: ED constant A	0.0233	0.04%
Prickly Sculpin Small	Copepods: Non-lipid organic matter fraction in biota	-0.0233	0.04%
Mysids	Northern pikeminnow: Dietary absorption efficiency of water	0.0220	0.04%
Prickly Sculpin Small	Crayfish small: ED constant B	-0.0233	0.04%
Mollusks	Peamouth chub: Wet weight of the organism	-0.0240	0.04%
Daphnia	Stickleback: Wet weight of the organism	0.0251	0.04%
Copepods	Prickly sculpin small: ED constant B	0.0266	0.04%
Threespine Stickleback	Smallmouth bass: ED constant B	0.0223	0.04%
Peamouth	Sculpin: Water fraction in biota	-0.0214	0.04%
Yellow Perch Small	Mollusks: Dietary absorption efficiency of water	-0.0226	0.04%
Copepods	Yellow perch large: Wet weight of the organism	0.0266	0.04%
Peamouth	Crayfish small: Dietary absorption efficiency of water	0.0214	0.04%
Yellow Perch Small	Prickly sculpin small: Wet weight of the organism	-0.0226	0.04%
Daphnia	Sockeye juvenile: Dietary absorption efficiency of lipid	-0.0251	0.04%
Smallmouth Bass	Yellow perch large: ED constant B	-0.0224	0.04%
Prickly Sculpin Small	General Bio: Particle scavenging efficiency	-0.0231	0.04%
Phytoplankton	General Bio: Density of lipids	-0.0221	0.04%
Northern Pikeminnow	Peamouth chub: Non-lipid organic matter fraction in biota	-0.0224	0.04%
Phytoplankton	Mysids: Dietary absorption efficiency of lipid	0.0220	0.04%
Crayfish Small	Smallmouth bass: Dietary absorption efficiency of water	0.0231	0.04%
Prickly Sculpin Small	Amphipods/Isopods: ED constant A	-0.0231	0.04%
Copepods	Amphipods/Isopods: Dietary absorption efficiency of non-lipid organic matter	-0.0265	0.04%
Mysids	Amphipods/Isopods: ED constant B	0.0218	0.04%
Mollusks	Phytoplankton: Lipid fraction in plant	-0.0237	0.04%
Threespine Stickleback	Yellow perch small: Water fraction in biota	0.0221	0.04%
Crayfish Small	General Bio: Particle scavenging efficiency	-0.0230	0.04%
Daphnia	Benthic invertebrates: ED constant B	-0.0249	0.04%
Daphnia	Longfin smelt: ED constant B	0.0249	0.04%
Smallmouth Bass	Sockeye juvenile: ED constant A	-0.0223	0.04%
Mollusks	Yellow perch large: Dietary absorption efficiency of non-lipid organic matter	-0.0237	0.04%
Sockeye Salmon (juv.)	Peamouth chub: ED constant B	0.0229	0.04%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Peamouth	Yellow perch small: Dietary absorption efficiency of lipid	-0.0212	0.04%
Crayfish Large	Benthic invertebrates: ED constant A	0.0230	0.04%
Northern Pike minnow	Yellow perch small: Water fraction in biota	-0.0222	0.04%
Cutthroat Trout	Stickleback: Dietary absorption efficiency of water	-0.0221	0.04%
Copepods	Mysids: ED constant A	-0.0263	0.04%
Prickly Sculpin Small	Smallmouth bass: Dietary absorption efficiency of non-lipid organic matter	0.0229	0.04%
Threespine Stickleback	Daphnia: Wet weight of the organism	0.0220	0.04%
Prickly Sculpin Large	Stickleback: ED constant B	-0.0226	0.04%
Cutthroat Trout	Cutthroat trout: Dietary absorption efficiency of water	0.0220	0.04%
Amphipods/Isopods	Crayfish small: ED constant A	-0.0257	0.04%
Copepods	Mollusks: Dietary absorption efficiency of lipid	-0.0262	0.04%
Smallmouth Bass	Benthic invertebrates: Water fraction in biota	-0.0221	0.04%
Longfin Smelt	Yellow perch small: ED constant B	0.0220	0.04%
Copepods	Benthic invertebrates: ED constant A	-0.0261	0.04%
Yellow Perch Small	Longfin smelt: ED constant A	0.0221	0.04%
Benthic Invertebrates	Mollusks: Dietary absorption efficiency of water	-0.0223	0.04%
Mysids	Mysids: ED constant B	-0.0215	0.04%
Northern Pike minnow	Crayfish small: Dietary absorption efficiency of water	-0.0220	0.04%
Amphipods/Isopods	Smallmouth bass: Water fraction in biota	-0.0255	0.04%
Smallmouth Bass	Crayfish Large: Lipid fraction in biota	0.0219	0.04%
Yellow Perch Large	Amphipods/Isopods: Lipid fraction in biota	0.0224	0.04%
Cutthroat Trout	Daphnia: Dietary absorption efficiency of water	-0.0218	0.04%
Cutthroat Trout	Copepods: Dietary absorption efficiency of lipid	-0.0218	0.04%
Phytoplankton	Smallmouth bass: Water fraction in biota	-0.0215	0.04%
Longfin Smelt	Mysids: Lipid fraction in biota	-0.0218	0.04%
Daphnia	Abiotic parms: Concentration of suspended solids	0.0244	0.04%
Smallmouth Bass	Peamouth chub: Dietary absorption efficiency of non-lipid organic matter	0.0219	0.04%
Prickly Sculpin Small	Crayfish Large: Lipid fraction in biota	-0.0226	0.04%
Longfin Smelt	Northern pike minnow: Dietary absorption efficiency of lipid	-0.0218	0.04%
Northern Pike minnow	Peamouth chub: ED constant B	-0.0219	0.04%
Mysids	Stickleback: ED constant A	-0.0213	0.04%
Mysids	Abiotic parms: Disequilibrium factor for POC partitioning in water column	-0.0213	0.04%
Copepods	Northern pike minnow: Dietary absorption efficiency of water	0.0258	0.04%
Sockeye Salmon (juv.)	Prickly sculpin small: Dietary absorption efficiency of non-lipid organic matter	-0.0224	0.04%
Peamouth	Stickleback: Dietary absorption efficiency of lipid	-0.0207	0.04%
Copepods	Smallmouth bass: ED constant A	0.0257	0.04%
Northern Pike minnow	Smallmouth bass: Wet weight of the organism	0.0217	0.04%
Prickly Sculpin Small	Copepods: Lipid fraction in biota	0.0224	0.04%
Northern Pike minnow	Mollusks: Dietary absorption efficiency of lipid	-0.0217	0.04%
Phytoplankton	Abiotic parms: Density of OC in sediment	-0.0214	0.04%
Crayfish Small	Northern pike minnow: ED constant B	0.0224	0.04%
Yellow Perch Small	Amphipods/Isopods: ED constant B	0.0218	0.04%
Cutthroat Trout	Benthic invertebrates: Fraction of respiration that involves sediment pore water	0.0216	0.04%
Prickly Sculpin Large	Longfin smelt: ED constant B	-0.0221	0.04%
Benthic Invertebrates	Crayfish Large: ED constant A	-0.0220	0.04%
Mysids	Cutthroat trout: Dietary absorption efficiency of lipid	-0.0211	0.04%
Peamouth	Sculpin: Non-lipid organic matter fraction in biota	0.0206	0.04%
Crayfish Small	Peamouth chub: Dietary absorption efficiency of non-lipid organic matter	-0.0223	0.04%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Northern Pikeminnow	Daphnia: ED constant B	0.0216	0.04%
Yellow Perch Small	Sockeye juvenile: Dietary absorption efficiency of lipid	0.0217	0.04%
Prickly Sculpin Large	Sockeye juvenile: Dietary absorption efficiency of water	0.0220	0.04%
Crayfish Large	Northern pikeminnow: ED constant B	0.0224	0.04%
Prickly Sculpin Small	Copepods: Water fraction in biota	0.0222	0.04%
Crayfish Large	Smallmouth bass: ED constant B	0.0223	0.04%
Phytoplankton	Crayfish small: Fraction of respiration that involves sediment pore water	-0.0212	0.04%
Smallmouth Bass	Amphipods/Isopods: ED constant A	-0.0215	0.04%
Crayfish Small	Prickly sculpin small: Dietary absorption efficiency of non-lipid organic matter	-0.0222	0.04%
Cutthroat Trout	Sculpin: Dietary absorption efficiency of water	0.0214	0.04%
Daphnia	Smallmouth bass: Lipid fraction in biota	0.0240	0.04%
Yellow Perch Large	Cutthroat trout: Dietary absorption efficiency of lipid	0.0219	0.04%
Crayfish Large	Northern pikeminnow: Dietary absorption efficiency of lipid	0.0223	0.04%
Yellow Perch Small	Stickleback: Dietary absorption efficiency of water	0.0216	0.04%
Mollusks	Amphipods/Isopods: Dietary absorption efficiency of non-lipid organic matter	0.0228	0.04%
Mollusks	Yellow perch small: ED constant B	-0.0228	0.04%
Crayfish Small	Prickly sculpin small: Lipid fraction in biota	-0.0221	0.04%
Daphnia	Benthic invertebrates: Dietary absorption efficiency of lipid	0.0239	0.04%
Crayfish Large	Northern pikeminnow: Wet weight of the organism	0.0222	0.04%
Crayfish Large	Yellow perch large: Water fraction in biota	-0.0222	0.04%
Smallmouth Bass	Northern pikeminnow: ED constant A	-0.0214	0.04%
Benthic Invertebrates	Abiotic parms: Disequilibrium factor for DOC partitioning in water column	-0.0217	0.04%
Threespine Stickleback	Prickly sculpin small: Lipid fraction in biota	-0.0212	0.04%
Mysids	Longfin smelt: ED constant A	0.0208	0.04%
Yellow Perch Small	Peamouth chub: Non-lipid organic matter fraction in biota	-0.0214	0.04%
Phytoplankton	Abiotic parms: Concentration of suspended solids	0.0210	0.04%
Cutthroat Trout	Crayfish small: Dietary absorption efficiency of lipid	-0.0212	0.04%
Mollusks	Sculpin: Lipid fraction in biota	-0.0227	0.04%
Copepods	Prickly sculpin small: Fraction of respiration that involves sediment pore water	-0.0252	0.04%
Mysids	Smallmouth bass: Wet weight of the organism	0.0208	0.04%
Mollusks	Daphnia: Water fraction in biota	-0.0227	0.04%
Smallmouth Bass	Daphnia: Dietary absorption efficiency of lipid	0.0213	0.04%
Sockeye Salmon (juv.)	Smallmouth bass: ED constant B	-0.0219	0.04%
Daphnia	General Bio: Non-lipid organic matter – octanol proportionality constant	0.0237	0.04%
Longfin Smelt	Longfin smelt: Wet weight of the organism	0.0212	0.04%
Cutthroat Trout	Daphnia: ED constant B	0.0211	0.04%
Crayfish Small	Sculpin: Dietary absorption efficiency of water	0.0219	0.04%
Mollusks	Daphnia: Non-lipid organic matter fraction in biota	0.0226	0.04%
Smallmouth Bass	Daphnia: Lipid fraction in biota	-0.0212	0.04%
Northern Pikeminnow	Mollusks: Fraction of respiration that involves sediment pore water	-0.0212	0.04%
Smallmouth Bass	General Bio: Particle scavenging efficiency	0.0212	0.04%
Cutthroat Trout	Sockeye juvenile: ED constant B	-0.0210	0.04%
Sockeye Salmon (juv.)	Northern pikeminnow: ED constant B	0.0218	0.04%
Daphnia	Smallmouth bass: Dietary absorption efficiency of water	-0.0236	0.04%
Sockeye Salmon (juv.)	Mysids: Wet weight of the organism	-0.0218	0.04%
Phytoplankton	Amphipods/Isopods: Dietary absorption efficiency of water	0.0208	0.04%
Phytoplankton	Mysids: Lipid fraction in biota	-0.0208	0.04%
Prickly Sculpin Large	Peamouth chub: ED constant B	-0.0215	0.04%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Mollusks	Northern pikeminnow: Lipid fraction in biota	0.0224	0.04%
Amphipods/Isopods	Mollusks: Non-lipid organic matter fraction in biota	0.0245	0.04%
Peamouth	General Bio: Density of lipids	-0.0201	0.04%
Northern Pikeminnow	Yellow perch small:ED constant A	-0.0211	0.04%
Benthic Invertebrates	Smallmouth bass: Wet weight of the organism	-0.0213	0.04%
Crayfish Large	Longfin smelt: ED constant A	0.0218	0.04%
Prickly Sculpin Large	Crayfish small: Fraction of respiration that involves sediment pore water	-0.0214	0.04%
Crayfish Small	Stickleback: ED constant B	-0.0217	0.04%
Copepods	Chem properties: PCB 118 sediment	0.0249	0.04%
Phytoplankton	Stickleback: Dietary absorption efficiency of lipid	-0.0206	0.04%
Yellow Perch Small	Benthic invertebrates: Wet weight of the organism	0.0210	0.04%
Mollusks	Sculpin: Dietary absorption efficiency of lipid	0.0223	0.04%
Benthic Invertebrates	Yellow perch small:Water fraction in biota	-0.0212	0.04%
Mollusks	Smallmouth bass: Dietary absorption efficiency of lipid	0.0221	0.04%
Peamouth	General Bio: Non-lipid organic matter – octanol proportionality constant	-0.0198	0.04%
Crayfish Large	Mollusks: ED constant B	0.0216	0.04%
Amphipods/Isopods	Stickleback: Wet weight of the organism	0.0241	0.04%
Prickly Sculpin Large	Prickly sculpin small: ED constant A	-0.0211	0.04%
Yellow Perch Large	Sockeye juvenile: Wet weight of the organism	0.0212	0.04%
Threespine Stickleback	Sculpin: Dietary absorption efficiency of non-lipid organic matter	-0.0206	0.04%
Phytoplankton	Daphnia: ED constant B	0.0204	0.04%
Longfin Smelt	Peamouth chub: Water fraction in biota	-0.0207	0.04%
Prickly Sculpin Large	Peamouth chub: Fraction of respiration that involves sediment pore water	-0.0211	0.04%
Crayfish Large	Yellow perch small:Dietary absorption efficiency of non-lipid organic matter	0.0215	0.04%
Daphnia	Yellow perch small:Wet weight of the organism	-0.0231	0.04%
Northern Pikeminnow	Cutthroat trout: Wet weight of the organism	-0.0207	0.04%
Smallmouth Bass	Yellow perch small:Fraction of respiration that involves sediment pore water	-0.0207	0.04%
Northern Pikeminnow	Mollusks: Dietary absorption efficiency of non-lipid organic matter	0.0207	0.04%
Northern Pikeminnow	Abiotic parms: Concentration of suspended solids	0.0206	0.04%
Threespine Stickleback	Yellow perch large: ED constant A	0.0204	0.04%
Prickly Sculpin Small	General Bio: Metabolic transformation rate	0.0213	0.04%
Phytoplankton	Yellow perch large: Water fraction in biota	0.0203	0.04%
Northern Pikeminnow	Amphipods/Isopods: Non-lipid organic matter fraction in biota	-0.0206	0.04%
Prickly Sculpin Large	Copepods: Dietary absorption efficiency of water	0.0210	0.04%
Crayfish Large	Abiotic parms: Disequilibrium factor for DOC partitioning in water column	-0.0213	0.04%
Amphipods/Isopods	Yellow perch small:ED constant A	0.0238	0.04%
Benthic Invertebrates	Peamouth chub: Dietary absorption efficiency of lipid	0.0208	0.04%
Daphnia	Benthic invertebrates: Fraction of respiration that involves sediment pore water	-0.0229	0.03%
Prickly Sculpin Large	Crayfish Large: Dietary absorption efficiency of lipid	0.0208	0.03%
Benthic Invertebrates	Cutthroat trout: Wet weight of the organism	-0.0207	0.03%
Benthic Invertebrates	Cutthroat trout: Dietary absorption efficiency of lipid	0.0207	0.03%
Prickly Sculpin Large	Yellow perch small:Lipid fraction in biota	-0.0208	0.03%
Mollusks	Amphipods/Isopods: ED constant B	0.0217	0.03%
Phytoplankton	Prickly sculpin small: Dietary absorption efficiency of non-lipid organic matter	-0.0201	0.03%
Yellow Perch Small	Sockeye juvenile: Fraction of respiration that involves sediment pore water	0.0205	0.03%
Benthic Invertebrates	Yellow perch small:Non-lipid organic matter fraction in biota	0.0207	0.03%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Benthic Invertebrates	Cutthroat trout: Dietary absorption efficiency of water	-0.0207	0.03%
Phytoplankton	Crayfish Large: ED constant B	0.0200	0.03%
Yellow Perch Large	Northern pikeminnow: ED constant B	0.0208	0.03%
Smallmouth Bass	Yellow perch small:ED constant B	0.0203	0.03%
Peamouth	Northern pikeminnow: ED constant A	-0.0194	0.03%
Smallmouth Bass	Crayfish small: ED constant A	0.0203	0.03%
Peamouth	Mysids: ED constant B	-0.0193	0.03%
Yellow Perch Small	Abiotic parms: Disequilibrium factor for POC partitioning in water column	-0.0204	0.03%
Northern Pikeminnow	Prickly sculpin small: ED constant A	0.0203	0.03%
Phytoplankton	Smallmouth bass: Lipid fraction in biota	0.0199	0.03%
Amphipods/Isopods	Northern pikeminnow: ED constant B	-0.0235	0.03%
Sockeye Salmon (juv.)	Smallmouth bass: Dietary absorption efficiency of water	-0.0208	0.03%
Peamouth	Northern pikeminnow: Water fraction in biota	0.0193	0.03%
Benthic Invertebrates	Stickleback: ED constant B	-0.0205	0.03%
Mysids	Crayfish small: Dietary absorption efficiency of non-lipid organic matter	0.0197	0.03%
Yellow Perch Large	Crayfish Large: Dietary absorption efficiency of lipid	-0.0206	0.03%
Peamouth	Smallmouth bass: Water fraction in biota	0.0192	0.03%
Daphnia	Longfin smelt: Dietary absorption efficiency of lipid	0.0225	0.03%
Copepods	Sculpin: Dietary absorption efficiency of lipid	-0.0238	0.03%
Daphnia	Chem properties: LeBas molar volume	-0.0225	0.03%
Amphipods/Isopods	Prickly sculpin small: Fraction of respiration that involves sediment pore water	0.0234	0.03%
Daphnia	Phytoplankton: Non-lipid organic carbon fraction in plant	0.0225	0.03%
Amphipods/Isopods	Peamouth chub: Dietary absorption efficiency of water	-0.0234	0.03%
Northern Pikeminnow	Crayfish Large: ED constant B	-0.0201	0.03%
Copepods	Peamouth chub: ED constant B	0.0238	0.03%
Mysids	Stickleback: Dietary absorption efficiency of lipid	-0.0196	0.03%
Peamouth	Yellow perch large: ED constant A	0.0191	0.03%
Cutthroat Trout	Abiotic parms: Density of OC in sediment	-0.0199	0.03%
Cutthroat Trout	Abiotic parms: Proportionality constant for phase partitioning of DOC	-0.0199	0.03%
Crayfish Small	Chem properties: Molecular weight	-0.0207	0.03%
Smallmouth Bass	Yellow perch large: Wet weight of the organism	0.0200	0.03%
Crayfish Large	Stickleback: Dietary absorption efficiency of water	-0.0208	0.03%
Northern Pikeminnow	Amphipods/Isopods: Water fraction in biota	0.0200	0.03%
Yellow Perch Large	Yellow perch large: Dietary absorption efficiency of water	0.0204	0.03%
Northern Pikeminnow	Sockeye juvenile: Dietary absorption efficiency of non-lipid organic matter	0.0200	0.03%
Yellow Perch Large	Abiotic parms: Disequilibrium factor for DOC partitioning in water column	-0.0204	0.03%
Benthic Invertebrates	Copepods: Non-lipid organic matter fraction in biota	-0.0203	0.03%
Copepods	Longfin smelt: Dietary absorption efficiency of non-lipid organic matter	0.0237	0.03%
Peamouth	Chem properties: LeBas molar volume	0.0190	0.03%
Yellow Perch Large	Stickleback: Non-lipid organic matter fraction in biota	0.0204	0.03%
Prickly Sculpin Small	Abiotic parms: Disequilibrium factor for POC partitioning in water column	-0.0206	0.03%
Benthic Invertebrates	Northern pikeminnow: Dietary absorption efficiency of non-lipid organic matter	0.0202	0.03%
Longfin Smelt	Amphipods/Isopods: Fraction of respiration that involves sediment pore water	0.0198	0.03%
Smallmouth Bass	Mollusks: Water fraction in biota	0.0199	0.03%
Mollusks	Daphnia: Wet weight of the organism	-0.0211	0.03%
Amphipods/Isopods	Sculpin: Dietary absorption efficiency of water	-0.0231	0.03%
Peamouth	Daphnia: Water fraction in biota	0.0189	0.03%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Phytoplankton	Northern pikeminnow: ED constant A	0.0195	0.03%
Longfin Smelt	Sculpin: Dietary absorption efficiency of non-lipid organic matter	0.0198	0.03%
Phytoplankton	Abiotic parms: Organic carbon content of sediment	-0.0195	0.03%
Copepods	Phytoplankton: Organic phase resistance constant	0.0235	0.03%
Daphnia	Copepods: Non-lipid organic matter fraction in biota	0.0221	0.03%
Daphnia	Copepods: Water fraction in biota	-0.0221	0.03%
Prickly Sculpin Large	Smallmouth bass: Lipid fraction in biota	0.0201	0.03%
Peamouth	Daphnia: ED constant B	0.0189	0.03%
Cutthroat Trout	Cutthroat trout: Non-lipid organic matter fraction in biota	0.0196	0.03%
Daphnia	Mollusks: Wet weight of the organism	-0.0221	0.03%
Yellow Perch Large	Daphnia: Wet weight of the organism	0.0202	0.03%
Amphipods/Isopods	Sculpin: Lipid fraction in biota	0.0229	0.03%
Daphnia	Amphipods/Isopods: Dietary absorption efficiency of lipid	-0.0220	0.03%
Yellow Perch Small	Yellow perch small:ED constant A	-0.0198	0.03%
Smallmouth Bass	Yellow perch small:ED constant A	-0.0197	0.03%
Crayfish Small	Abiotic parms: Disequilibrium factor for POC partitioning in water column	-0.0203	0.03%
Mysids	Smallmouth bass: Water fraction in biota	-0.0192	0.03%
Crayfish Small	Amphipods/Isopods: ED constant A	0.0203	0.03%
Prickly Sculpin Large	Yellow perch large: Lipid fraction in biota	-0.0200	0.03%
Peamouth	Amphipods/Isopods: ED constant A	0.0187	0.03%
Smallmouth Bass	Stickleback: Dietary absorption efficiency of water	-0.0196	0.03%
Smallmouth Bass	Mollusks: Non-lipid organic matter fraction in biota	-0.0196	0.03%
Sockeye Salmon (juv.)	Crayfish small: Non-lipid organic matter fraction in biota	0.0202	0.03%
Mysids	Yellow perch large: Non-lipid organic matter fraction in biota	0.0191	0.03%
Benthic Invertebrates	Copepods: Water fraction in biota	0.0199	0.03%
Sockeye Salmon (juv.)	Stickleback: Non-lipid organic matter fraction in biota	0.0202	0.03%
Prickly Sculpin Small	Prickly sculpin small: Dietary absorption efficiency of water	-0.0202	0.03%
Cutthroat Trout	Mysids: Lipid fraction in biota	0.0195	0.03%
Sockeye Salmon (juv.)	Yellow perch large: Dietary absorption efficiency of lipid	0.0202	0.03%
Phytoplankton	General Bio: Growth rate factor fish	-0.0192	0.03%
Crayfish Large	Smallmouth bass: Dietary absorption efficiency of lipid	-0.0202	0.03%
Mysids	Crayfish small: Fraction of respiration that involves sediment pore water	-0.0190	0.03%
Daphnia	Mollusks: ED constant B	-0.0218	0.03%
Yellow Perch Small	Sculpin: Lipid fraction in biota	0.0196	0.03%
Prickly Sculpin Small	Cutthroat trout: ED constant B	0.0201	0.03%
Mollusks	Yellow perch large: Wet weight of the organism	-0.0207	0.03%
Mysids	Yellow perch small:Wet weight of the organism	-0.0190	0.03%
Phytoplankton	Smallmouth bass: Dietary absorption efficiency of water	0.0191	0.03%
Crayfish Large	Cutthroat trout: Water fraction in biota	-0.0201	0.03%
Copepods	Peamouth chub: ED constant A	0.0230	0.03%
Peamouth	Mollusks: Lipid fraction in biota	0.0185	0.03%
Prickly Sculpin Large	Sculpin: Fraction of respiration that involves sediment pore water	-0.0197	0.03%
Peamouth	Copepods: Wet weight of the organism	0.0185	0.03%
Yellow Perch Small	Crayfish small: Dietary absorption efficiency of non-lipid organic matter	-0.0195	0.03%
Amphipods/Isopods	Mollusks: Water fraction in biota	-0.0225	0.03%
Threespine Stickleback	Northern pikeminnow: Non-lipid organic matter fraction in biota	-0.0192	0.03%
Mysids	Yellow perch small:Fraction of respiration that involves sediment pore water	0.0189	0.03%
Phytoplankton	Peamouth chub: Dietary absorption efficiency of non-lipid organic matter	0.0190	0.03%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Crayfish Large	Prickly sculpin small: Dietary absorption efficiency of non-lipid organic matter	0.0200	0.03%
Cutthroat Trout	Longfin smelt: ED constant A	-0.0192	0.03%
Phytoplankton	Chem properties: LeBas molar volume	-0.0190	0.03%
Longfin Smelt	Peamouth chub: Non-lipid organic matter fraction in biota	0.0192	0.03%
Amphipods/Isopods	Yellow perch small:Wet weight of the organism	0.0224	0.03%
Amphipods/Isopods	Copepods: Wet weight of the organism	0.0224	0.03%
Smallmouth Bass	Stickleback: Wet weight of the organism	-0.0192	0.03%
Mollusks	Copepods: Water fraction in biota	0.0205	0.03%
Longfin Smelt	Stickleback: Dietary absorption efficiency of water	-0.0192	0.03%
Daphnia	Abiotic parms: Density of OC in sediment	0.0215	0.03%
Prickly Sculpin Small	Longfin smelt: ED constant A	0.0198	0.03%
Threespine Stickleback	Crayfish Large: Wet weight of the organism	-0.0190	0.03%
Longfin Smelt	Northern pikeminnow: ED constant B	0.0191	0.03%
Yellow Perch Large	Northern pikeminnow: Lipid fraction in biota	0.0196	0.03%
Mollusks	Prickly sculpin small: Fraction of respiration that involves sediment pore water	-0.0204	0.03%
Daphnia	Sculpin: Dietary absorption efficiency of non-lipid organic matter	0.0214	0.03%
Threespine Stickleback	Phytoplankton: Lipid fraction in plant	0.0190	0.03%
Mollusks	Longfin smelt: Lipid fraction in biota	-0.0203	0.03%
Mysids	Prickly sculpin small: Dietary absorption efficiency of water	0.0187	0.03%
Daphnia	Copepods: Dietary absorption efficiency of non-lipid organic matter	0.0214	0.03%
Peamouth	Phytoplankton: Growth rate constant	-0.0182	0.03%
Smallmouth Bass	Crayfish small: Dietary absorption efficiency of water	-0.0191	0.03%
Northern Pikeminnow	Copepods: Dietary absorption efficiency of non-lipid organic matter	0.0191	0.03%
Prickly Sculpin Small	Yellow perch large: Lipid fraction in biota	-0.0197	0.03%
Prickly Sculpin Small	Peamouth chub: Non-lipid organic matter fraction in biota	-0.0197	0.03%
Amphipods/Isopods	Smallmouth bass: Dietary absorption efficiency of water	0.0221	0.03%
Prickly Sculpin Small	Peamouth chub: Wet weight of the organism	-0.0196	0.03%
Mollusks	Stickleback: Dietary absorption efficiency of lipid	0.0202	0.03%
Crayfish Small	Mollusks: Dietary absorption efficiency of water	-0.0196	0.03%
Daphnia	Benthic invertebrates: Dietary absorption efficiency of water	-0.0212	0.03%
Northern Pikeminnow	Smallmouth bass: ED constant A	0.0190	0.03%
Copepods	Crayfish small: Lipid fraction in biota	0.0225	0.03%
Mollusks	Copepods: Non-lipid organic matter fraction in biota	-0.0201	0.03%
Cutthroat Trout	Smallmouth bass: ED constant A	-0.0188	0.03%
Crayfish Small	Mollusks: Dietary absorption efficiency of lipid	-0.0195	0.03%
Benthic Invertebrates	Stickleback: Wet weight of the organism	0.0191	0.03%
Phytoplankton	Longfin smelt: ED constant A	0.0185	0.03%
Threespine Stickleback	Sculpin: ED constant A	0.0187	0.03%
Crayfish Large	Peamouth chub: Dietary absorption efficiency of non-lipid organic matter	-0.0195	0.03%
Peamouth	Smallmouth bass: Non-lipid organic matter fraction in biota	-0.0179	0.03%
Copepods	Yellow perch small:Fraction of respiration that involves sediment pore water	0.0223	0.03%
Yellow Perch Small	Prickly sculpin small: Fraction of respiration that involves sediment pore water	0.0189	0.03%
Mysids	Sockeye juvenile: Dietary absorption efficiency of water	-0.0183	0.03%
Threespine Stickleback	Longfin smelt: Lipid fraction in biota	-0.0186	0.03%
Threespine Stickleback	Crayfish small: Fraction of respiration that involves sediment pore water	0.0186	0.03%
Mysids	Phytoplankton: Non-lipid organic carbon fraction in plant	0.0183	0.03%
Crayfish Small	Copepods: Wet weight of the organism	-0.0193	0.03%
Smallmouth Bass	Northern pikeminnow: ED constant B	0.0187	0.03%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Northern Pike minnow	Amphipods/Isopods: Dietary absorption efficiency of lipid	0.0187	0.03%
Crayfish Large	Sockeye juvenile: ED constant B	-0.0194	0.03%
Peamouth	Cutthroat trout: Lipid fraction in biota	0.0178	0.03%
Amphipods/Isopods	Longfin smelt: Lipid fraction in biota	-0.0217	0.03%
Crayfish Large	Cutthroat trout: Dietary absorption efficiency of lipid	0.0193	0.03%
Crayfish Small	Cutthroat trout: Dietary absorption efficiency of non-lipid organic matter	-0.0192	0.03%
Daphnia	Amphipods/Isopods: Lipid fraction in biota	-0.0207	0.03%
Longfin Smelt	General Bio: Growth rate factor invert	-0.0185	0.03%
Amphipods/Isopods	Crayfish Large: Lipid fraction in biota	-0.0216	0.03%
Mollusks	Sockeye juvenile: ED constant B	-0.0197	0.03%
Yellow Perch Large	Amphipods/Isopods: ED constant A	-0.0189	0.03%
Peamouth	Phytoplankton: Lipid fraction in plant	0.0177	0.03%
Mysids	Crayfish small: Wet weight of the organism	0.0180	0.03%
Mysids	Benthic invertebrates: Wet weight of the organism	0.0180	0.03%
Daphnia	Phytoplankton: Growth rate constant	-0.0206	0.03%
Longfin Smelt	Crayfish small: Wet weight of the organism	0.0184	0.03%
Longfin Smelt	General Bio: Density of lipids	0.0184	0.03%
Yellow Perch Large	General Bio: Metabolic transformation rate	-0.0188	0.03%
Yellow Perch Small	Longfin smelt: Dietary absorption efficiency of non-lipid organic matter	0.0185	0.03%
Prickly Sculpin Large	Amphipods/Isopods: Fraction of respiration that involves sediment pore water	-0.0187	0.03%
Sockeye Salmon (juv.)	Crayfish small: Water fraction in biota	-0.0189	0.03%
Mollusks	Benthic invertebrates: Water fraction in biota	-0.0195	0.03%
Phytoplankton	Yellow perch small: Dietary absorption efficiency of non-lipid organic matter	0.0181	0.03%
Cutthroat Trout	Daphnia: Dietary absorption efficiency of lipid	0.0182	0.03%
Mollusks	Prickly sculpin small: Dietary absorption efficiency of water	0.0195	0.03%
Crayfish Large	Prickly sculpin small: ED constant B	0.0190	0.03%
Longfin Smelt	Yellow perch large: Wet weight of the organism	0.0182	0.03%
Cutthroat Trout	Crayfish Large: ED constant B	-0.0182	0.03%
Phytoplankton	Peamouth chub: Dietary absorption efficiency of lipid	-0.0180	0.03%
Threespine Stickleback	Sockeye juvenile: Lipid fraction in biota	-0.0181	0.03%
Sockeye Salmon (juv.)	Smallmouth bass: Dietary absorption efficiency of non-lipid organic matter	0.0188	0.03%
Yellow Perch Large	Daphnia: Dietary absorption efficiency of non-lipid organic matter	0.0186	0.03%
Longfin Smelt	Copepods: ED constant A	0.0182	0.03%
Copepods	Abiotic parms: Concentration of suspended solids	-0.0216	0.03%
Phytoplankton	Smallmouth bass: Non-lipid organic matter fraction in biota	0.0179	0.03%
Crayfish Large	Abiotic parms: Density of OC in sediment	-0.0188	0.03%
Threespine Stickleback	Prickly sculpin small: Non-lipid organic matter fraction in biota	0.0179	0.03%
Threespine Stickleback	Northern pikeminnow: Water fraction in biota	0.0179	0.03%
Prickly Sculpin Large	Mollusks: Non-lipid organic matter fraction in biota	-0.0183	0.03%
Prickly Sculpin Small	Copepods: Dietary absorption efficiency of water	0.0186	0.03%
Phytoplankton	Benthic invertebrates: Dietary absorption efficiency of water	0.0177	0.03%
Yellow Perch Small	Crayfish Large: ED constant B	-0.0181	0.03%
Crayfish Large	Copepods: ED constant B	0.0187	0.03%
Crayfish Large	Yellow perch large: Non-lipid organic matter fraction in biota	0.0186	0.03%
Smallmouth Bass	Prickly sculpin small: Fraction of respiration that involves sediment pore water	0.0180	0.03%
Mysids	General Bio: Growth rate factor fish	-0.0175	0.03%
Mollusks	Daphnia: Lipid fraction in biota	0.0191	0.03%
Daphnia	Yellow perch large: Fraction of respiration that involves sediment pore water	0.0200	0.03%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Yellow Perch Large	Smallmouth bass: ED constant A	-0.0183	0.03%
Threespine Stickleback	Smallmouth bass: Dietary absorption efficiency of non-lipid organic matter	-0.0178	0.03%
Smallmouth Bass	Peamouth chub: Fraction of respiration that involves sediment pore water	0.0179	0.03%
Longfin Smelt	Daphnia: Dietary absorption efficiency of lipid	-0.0178	0.03%
Prickly Sculpin Small	Northern pikeminnow: Water fraction in biota	-0.0185	0.03%
Amphipods/Isopods	Copepods: Dietary absorption efficiency of lipid	-0.0208	0.03%
Prickly Sculpin Large	Prickly sculpin small: Lipid fraction in biota	0.0182	0.03%
Daphnia	Stickleback: ED constant B	-0.0200	0.03%
Daphnia	Crayfish Large: Lipid fraction in biota	-0.0199	0.03%
Smallmouth Bass	Yellow perch large: Dietary absorption efficiency of water	0.0178	0.03%
Amphipods/Isopods	General Bio: Growth rate factor fish	-0.0207	0.03%
Amphipods/Isopods	Sockeye juvenile: Dietary absorption efficiency of water	0.0207	0.03%
Phytoplankton	Prickly sculpin small: ED constant B	0.0175	0.03%
Prickly Sculpin Small	Prickly sculpin small: ED constant A	-0.0183	0.03%
Amphipods/Isopods	Phytoplankton: Non-lipid organic carbon fraction in plant	-0.0206	0.03%
Mysids	Crayfish Large: Fraction of respiration that involves sediment pore water	-0.0173	0.03%
Daphnia	Smallmouth bass: Wet weight of the organism	-0.0198	0.03%
Northern Pikeminnow	Phytoplankton: Lipid fraction in plant	-0.0177	0.03%
Phytoplankton	Mysids: ED constant B	-0.0174	0.03%
Crayfish Large	Crayfish Large: Fraction of respiration that involves sediment pore water	-0.0184	0.03%
Threespine Stickleback	Longfin smelt: ED constant B	-0.0175	0.03%
Prickly Sculpin Large	Amphipods/Isopods: ED constant B	0.0180	0.03%
Yellow Perch Small	Stickleback: Non-lipid organic matter fraction in biota	0.0178	0.03%
Yellow Perch Large	Copepods: Dietary absorption efficiency of non-lipid organic matter	0.0180	0.03%
Mollusks	Yellow perch small: Dietary absorption efficiency of water	0.0188	0.03%
Smallmouth Bass	Daphnia: ED constant B	-0.0176	0.03%
Amphipods/Isopods	Sculpin: Fraction of respiration that involves sediment pore water	0.0205	0.03%
Copepods	Stickleback: ED constant A	0.0208	0.03%
Prickly Sculpin Large	Mollusks: ED constant A	0.0179	0.03%
Yellow Perch Large	Sculpin: Fraction of respiration that involves sediment pore water	-0.0180	0.03%
Yellow Perch Large	Peamouth chub: Water fraction in biota	-0.0179	0.03%
Benthic Invertebrates	Crayfish Large: Lipid fraction in biota	-0.0178	0.03%
Daphnia	Sculpin: Non-lipid organic matter fraction in biota	0.0196	0.03%
Smallmouth Bass	Stickleback: Non-lipid organic matter fraction in biota	0.0175	0.03%
Sockeye Salmon (juv.)	Amphipods/Isopods: ED constant A	0.0181	0.03%
Crayfish Small	Yellow perch large: Lipid fraction in biota	-0.0181	0.03%
Amphipods/Isopods	Daphnia: Dietary absorption efficiency of water	0.0204	0.03%
Longfin Smelt	Mollusks: ED constant B	-0.0174	0.03%
Peamouth	Daphnia: Non-lipid organic matter fraction in biota	-0.0167	0.03%
Mysids	Amphipods/Isopods: Wet weight of the organism	0.0170	0.03%
Daphnia	Amphipods/Isopods: Dietary absorption efficiency of non-lipid organic matter	-0.0195	0.03%
Benthic Invertebrates	Daphnia: Dietary absorption efficiency of lipid	-0.0177	0.03%
Crayfish Large	Peamouth chub: Wet weight of the organism	0.0181	0.03%
Yellow Perch Small	Daphnia: Wet weight of the organism	0.0175	0.03%
Daphnia	Sculpin: Water fraction in biota	-0.0194	0.03%
Yellow Perch Small	Crayfish Large: Dietary absorption efficiency of non-lipid organic matter	-0.0175	0.03%
Crayfish Small	Yellow perch large: Fraction of respiration that involves sediment pore water	-0.0179	0.03%
Daphnia	Amphipods/Isopods: ED constant B	-0.0194	0.03%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Smallmouth Bass	Stickleback: Water fraction in biota	-0.0174	0.03%
Copepods	Stickleback: Lipid fraction in biota	-0.0206	0.03%
Amphipods/Isopods	Smallmouth bass: Wet weight of the organism	-0.0202	0.03%
Benthic Invertebrates	Smallmouth bass: Dietary absorption efficiency of water	-0.0176	0.03%
Yellow Perch Large	Mysids: ED constant B	-0.0177	0.03%
Peamouth	Amphipods/Isopods: Wet weight of the organism	-0.0165	0.03%
Crayfish Large	Amphipods/Isopods: Dietary absorption efficiency of non-lipid organic matter	0.0180	0.03%
Daphnia	Smallmouth bass: Dietary absorption efficiency of lipid	-0.0193	0.03%
Prickly Sculpin Small	Yellow perch large: Dietary absorption efficiency of water	-0.0179	0.03%
Mollusks	Mollusks: Wet weight of the organism	-0.0184	0.02%
Northern Pikeminnow	Abiotic parms: Disequilibrium factor for POC partitioning in water column	0.0173	0.02%
Prickly Sculpin Small	Smallmouth bass: ED constant B	-0.0178	0.02%
Sockeye Salmon (juv.)	Stickleback: Dietary absorption efficiency of lipid	-0.0178	0.02%
Northern Pikeminnow	Mollusks: Dietary absorption efficiency of water	-0.0173	0.02%
Daphnia	Mysids: Dietary absorption efficiency of water	0.0193	0.02%
Longfin Smelt	Crayfish Large: Dietary absorption efficiency of water	-0.0172	0.02%
Mysids	Longfin smelt: Wet weight of the organism	-0.0168	0.02%
Daphnia	Peamouth chub: Wet weight of the organism	0.0193	0.02%
Cutthroat Trout	Peamouth chub: ED constant A	-0.0171	0.02%
Copepods	Amphipods/Isopods: Dietary absorption efficiency of water	-0.0204	0.02%
Benthic Invertebrates	Amphipods/Isopods: Water fraction in biota	0.0175	0.02%
Threespine Stickleback	Sockeye juvenile: ED constant B	0.0171	0.02%
Crayfish Small	Peamouth chub: Non-lipid organic matter fraction in biota	0.0177	0.02%
Sockeye Salmon (juv.)	Peamouth chub: Water fraction in biota	0.0177	0.02%
Copepods	Sockeye juvenile: Dietary absorption efficiency of water	0.0204	0.02%
Mollusks	General Bio: Growth rate factor fish	-0.0183	0.02%
Mollusks	Longfin smelt: Wet weight of the organism	0.0183	0.02%
Longfin Smelt	Mysids: Dietary absorption efficiency of non-lipid organic matter	-0.0171	0.02%
Threespine Stickleback	Prickly sculpin small: Water fraction in biota	-0.0170	0.02%
Prickly Sculpin Small	Stickleback: ED constant A	0.0177	0.02%
Crayfish Large	Stickleback: Dietary absorption efficiency of non-lipid organic matter	0.0177	0.02%
Crayfish Small	Daphnia: ED constant A	-0.0176	0.02%
Benthic Invertebrates	Amphipods/Isopods: Non-lipid organic matter fraction in biota	-0.0173	0.02%
Cutthroat Trout	Prickly sculpin small: ED constant B	-0.0169	0.02%
Mollusks	Daphnia: ED constant B	-0.0181	0.02%
Prickly Sculpin Small	Crayfish small: Non-lipid organic matter fraction in biota	-0.0175	0.02%
Prickly Sculpin Large	Mollusks: Water fraction in biota	0.0173	0.02%
Northern Pikeminnow	Longfin smelt: ED constant B	0.0170	0.02%
Peamouth	Longfin smelt: Dietary absorption efficiency of water	0.0161	0.02%
Benthic Invertebrates	Northern pikeminnow: Water fraction in biota	-0.0172	0.02%
Prickly Sculpin Small	Northern pikeminnow: ED constant A	-0.0175	0.02%
Prickly Sculpin Small	Chem properties: LeBas molar volume	-0.0174	0.02%
Longfin Smelt	Smallmouth bass: Non-lipid organic matter fraction in biota	-0.0168	0.02%
Daphnia	Amphipods/Isopods: Dietary absorption efficiency of water	0.0189	0.02%
Peamouth	Daphnia: Dietary absorption efficiency of water	-0.0161	0.02%
Yellow Perch Small	Northern pikeminnow: Wet weight of the organism	0.0169	0.02%
Prickly Sculpin Large	Mollusks: Fraction of respiration that involves sediment pore water	-0.0172	0.02%
Crayfish Large	Cutthroat trout: Non-lipid organic matter fraction in biota	0.0174	0.02%
Northern Pikeminnow	Sockeye juvenile: ED constant B	0.0168	0.02%
Amphipods/Isopods	Peamouth chub: Fraction of respiration that involves sediment pore water	-0.0195	0.02%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Smallmouth Bass	Longfin smelt: Dietary absorption efficiency of lipid	0.0168	0.02%
Mysids	Crayfish small: Dietary absorption efficiency of water	-0.0164	0.02%
Mysids	Mollusks: Wet weight of the organism	-0.0164	0.02%
Prickly Sculpin Small	Crayfish small: ED constant A	0.0173	0.02%
Crayfish Large	Northern pikeminnow: Dietary absorption efficiency of non-lipid organic matter	0.0174	0.02%
Mollusks	Benthic invertebrates: Non-lipid organic matter fraction in biota	0.0178	0.02%
Smallmouth Bass	Benthic invertebrates: Non-lipid organic matter fraction in biota	0.0167	0.02%
Northern Pikeminnow	Stickleback: ED constant B	0.0167	0.02%
Copepods	Peamouth chub: Dietary absorption efficiency of lipid	-0.0198	0.02%
Prickly Sculpin Large	Peamouth chub: Dietary absorption efficiency of water	0.0170	0.02%
Yellow Perch Large	Prickly sculpin small: Wet weight of the organism	0.0171	0.02%
Longfin Smelt	Sculpin: Lipid fraction in biota	0.0166	0.02%
Northern Pikeminnow	Yellow perch small: Dietary absorption efficiency of non-lipid organic matter	-0.0167	0.02%
Benthic Invertebrates	Sculpin: Water fraction in biota	-0.0169	0.02%
Northern Pikeminnow	Longfin smelt: Lipid fraction in biota	0.0166	0.02%
Longfin Smelt	Smallmouth bass: Water fraction in biota	0.0165	0.02%
Yellow Perch Large	Peamouth chub: ED constant A	-0.0169	0.02%
Crayfish Large	Daphnia: ED constant A	-0.0172	0.02%
Longfin Smelt	Peamouth chub: ED constant A	-0.0165	0.02%
Longfin Smelt	Yellow perch small: Lipid fraction in biota	-0.0165	0.02%
Peamouth	Mollusks: Dietary absorption efficiency of water	-0.0158	0.02%
Crayfish Small	Smallmouth bass: Dietary absorption efficiency of non-lipid organic matter	-0.0171	0.02%
Smallmouth Bass	Stickleback: Dietary absorption efficiency of non-lipid organic matter	0.0165	0.02%
Sockeye Salmon (juv.)	Prickly sculpin small: Non-lipid organic matter fraction in biota	0.0171	0.02%
Peamouth	Longfin smelt: Lipid fraction in biota	0.0158	0.02%
Copepods	Yellow perch small: ED constant A	-0.0196	0.02%
Mollusks	Longfin smelt: ED constant A	-0.0176	0.02%
Cutthroat Trout	Copepods: Dietary absorption efficiency of non-lipid organic matter	-0.0164	0.02%
Prickly Sculpin Large	Northern pikeminnow: Dietary absorption efficiency of water	0.0168	0.02%
Benthic Invertebrates	Sculpin: Non-lipid organic matter fraction in biota	0.0167	0.02%
Threespine Stickleback	Amphipods/Isopods: ED constant B	-0.0163	0.02%
Phytoplankton	Amphipods/Isopods: Lipid fraction in biota	-0.0162	0.02%
Cutthroat Trout	Crayfish small: Fraction of respiration that involves sediment pore water	0.0164	0.02%
Northern Pikeminnow	Prickly sculpin small: Wet weight of the organism	-0.0165	0.02%
Cutthroat Trout	Amphipods/Isopods: ED constant A	-0.0163	0.02%
Cutthroat Trout	Mysids: Water fraction in biota	-0.0163	0.02%
Peamouth	Northern pikeminnow: Non-lipid organic matter fraction in biota	-0.0157	0.02%
Cutthroat Trout	Stickleback: ED constant A	-0.0163	0.02%
Daphnia	Peamouth chub: ED constant B	0.0183	0.02%
Prickly Sculpin Small	Stickleback: Dietary absorption efficiency of water	0.0169	0.02%
Copepods	Daphnia: Wet weight of the organism	-0.0194	0.02%
Benthic Invertebrates	Sockeye juvenile: ED constant B	0.0166	0.02%
Prickly Sculpin Small	Stickleback: Wet weight of the organism	-0.0169	0.02%
Phytoplankton	Peamouth chub: Water fraction in biota	-0.0161	0.02%
Northern Pikeminnow	Benthic invertebrates: Fraction of respiration that involves sediment pore water	0.0163	0.02%
Sockeye Salmon (juv.)	Crayfish Large: ED constant B	-0.0168	0.02%
Daphnia	Yellow perch large: ED constant A	0.0182	0.02%
Amphipods/Isopods	Crayfish Large: Fraction of respiration that involves sediment pore water	0.0189	0.02%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Mysids	Smallmouth bass: Non-lipid organic matter fraction in biota	0.0159	0.02%
Crayfish Large	Copepods: Dietary absorption efficiency of water	0.0169	0.02%
Benthic Invertebrates	Northern pikeminnow: Non-lipid organic matter fraction in biota	0.0165	0.02%
Daphnia	Northern pikeminnow: Dietary absorption efficiency of water	0.0182	0.02%
Crayfish Large	Yellow perch large: ED constant B	-0.0168	0.02%
Copepods	Yellow perch large: Dietary absorption efficiency of lipid	0.0191	0.02%
Prickly Sculpin Small	Crayfish small: Water fraction in biota	0.0167	0.02%
Northern Pikeminnow	Peamouth chub: Fraction of respiration that involves sediment pore water	-0.0161	0.02%
Sockeye Salmon (juv.)	Crayfish Large: Dietary absorption efficiency of lipid	0.0166	0.02%
Crayfish Large	Cutthroat trout: Dietary absorption efficiency of water	-0.0167	0.02%
Daphnia	Daphnia: Dietary absorption efficiency of non-lipid organic matter	-0.0179	0.02%
Mollusks	Longfin smelt: Water fraction in biota	0.0171	0.02%
Phytoplankton	Northern pikeminnow: Dietary absorption efficiency of non-lipid organic matter	0.0158	0.02%
Yellow Perch Small	Smallmouth bass: Lipid fraction in biota	0.0161	0.02%
Amphipods/Isopods	General Bio: Growth rate factor invert	-0.0186	0.02%
Threespine Stickleback	Cutthroat trout: Dietary absorption efficiency of water	-0.0159	0.02%
Crayfish Small	Sockeye juvenile: Wet weight of the organism	-0.0165	0.02%
Benthic Invertebrates	Smallmouth bass: Dietary absorption efficiency of lipid	0.0162	0.02%
Cutthroat Trout	Crayfish Large: Dietary absorption efficiency of lipid	0.0159	0.02%
Mollusks	Copepods: Wet weight of the organism	-0.0170	0.02%
Sockeye Salmon (juv.)	Crayfish Large: Wet weight of the organism	-0.0164	0.02%
Threespine Stickleback	Crayfish small: ED constant A	0.0158	0.02%
Benthic Invertebrates	Yellow perch large: Lipid fraction in biota	-0.0161	0.02%
Mollusks	Peamouth chub: Fraction of respiration that involves sediment pore water	0.0168	0.02%
Longfin Smelt	Mollusks: Fraction of respiration that involves sediment pore water	-0.0158	0.02%
Mysids	Yellow perch small:ED constant A	0.0155	0.02%
Benthic Invertebrates	Yellow perch small:ED constant A	-0.0160	0.02%
Peamouth	Longfin smelt: Dietary absorption efficiency of non-lipid organic matter	-0.0151	0.02%
Peamouth	Benthic invertebrates: Water fraction in biota	-0.0150	0.02%
Phytoplankton	Yellow perch large: Non-lipid organic matter fraction in biota	-0.0155	0.02%
Cutthroat Trout	Smallmouth bass: Dietary absorption efficiency of non-lipid organic matter	0.0156	0.02%
Prickly Sculpin Large	Peamouth chub: Wet weight of the organism	0.0160	0.02%
Amphipods/Isopods	Sockeye juvenile: ED constant B	-0.0182	0.02%
Phytoplankton	Yellow perch large: Dietary absorption efficiency of lipid	0.0154	0.02%
Yellow Perch Small	Peamouth chub: Fraction of respiration that involves sediment pore water	-0.0158	0.02%
Benthic Invertebrates	Cutthroat trout: Non-lipid organic matter fraction in biota	0.0159	0.02%
Longfin Smelt	Yellow perch large: Lipid fraction in biota	-0.0156	0.02%
Amphipods/Isopods	Smallmouth bass: Dietary absorption efficiency of non-lipid organic matter	-0.0182	0.02%
Peamouth	Stickleback: Dietary absorption efficiency of water	0.0149	0.02%
Peamouth	Crayfish small: ED constant B	-0.0149	0.02%
Benthic Invertebrates	Cutthroat trout: Water fraction in biota	-0.0159	0.02%
Benthic Invertebrates	Amphipods/Isopods: ED constant A	0.0158	0.02%
Sockeye Salmon (juv.)	Mysids: Dietary absorption efficiency of lipid	0.0161	0.02%
Cutthroat Trout	Yellow perch small:Dietary absorption efficiency of water	-0.0155	0.02%
Mysids	Smallmouth bass: ED constant A	-0.0152	0.02%
Crayfish Small	Yellow perch small:ED constant A	0.0161	0.02%
Copepods	Yellow perch large: Non-lipid organic matter fraction in biota	-0.0185	0.02%
Prickly Sculpin Small	Benthic invertebrates: Wet weight of the organism	0.0161	0.02%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Benthic Invertebrates	Cutthroat trout: Dietary absorption efficiency of non-lipid organic matter	-0.0158	0.02%
Phytoplankton	Copepods: ED constant A	0.0153	0.02%
Yellow Perch Large	Smallmouth bass: Wet weight of the organism	-0.0159	0.02%
Cutthroat Trout	Sculpin: Lipid fraction in biota	0.0154	0.02%
Prickly Sculpin Large	Crayfish Large: Non-lipid organic matter fraction in biota	0.0158	0.02%
Cutthroat Trout	Abiotic parms: Proportionality constant for phase partitioning of POC	-0.0154	0.02%
Sockeye Salmon (juv.)	Prickly sculpin small: Water fraction in biota	-0.0160	0.02%
Crayfish Small	Sculpin: Dietary absorption efficiency of non-lipid organic matter	-0.0160	0.02%
Yellow Perch Large	Northern pikeminnow: Dietary absorption efficiency of lipid	0.0158	0.02%
Sockeye Salmon (juv.)	Mysids: Dietary absorption efficiency of water	-0.0160	0.02%
Copepods	Sculpin: Wet weight of the organism	-0.0183	0.02%
Cutthroat Trout	Mysids: Non-lipid organic matter fraction in biota	0.0154	0.02%
Mollusks	Sockeye juvenile: Non-lipid organic matter fraction in biota	0.0165	0.02%
Yellow Perch Small	Mysids: Dietary absorption efficiency of water	0.0155	0.02%
Crayfish Small	Daphnia: ED constant B	-0.0159	0.02%
Yellow Perch Large	Peamouth chub: Dietary absorption efficiency of non-lipid organic matter	-0.0158	0.02%
Cutthroat Trout	Yellow perch large: Lipid fraction in biota	-0.0153	0.02%
Daphnia	Cutthroat trout: ED constant B	-0.0172	0.02%
Mysids	Yellow perch large: Fraction of respiration that involves sediment pore water	0.0150	0.02%
Benthic Invertebrates	Amphipods/Isopods: Fraction of respiration that involves sediment pore water	-0.0156	0.02%
Longfin Smelt	Mollusks: Dietary absorption efficiency of non-lipid organic matter	-0.0153	0.02%
Yellow Perch Small	Crayfish small: Fraction of respiration that involves sediment pore water	0.0154	0.02%
Phytoplankton	Mollusks: Wet weight of the organism	0.0151	0.02%
Copepods	Yellow perch large: Water fraction in biota	0.0182	0.02%
Daphnia	Stickleback: Dietary absorption efficiency of water	-0.0171	0.02%
Longfin Smelt	Yellow perch large: ED constant A	-0.0153	0.02%
Prickly Sculpin Large	Daphnia: ED constant B	0.0156	0.02%
Crayfish Small	Yellow perch large: Non-lipid organic matter fraction in biota	-0.0158	0.02%
Crayfish Large	Smallmouth bass: Dietary absorption efficiency of non-lipid organic matter	-0.0159	0.02%
Mysids	Benthic invertebrates: Fraction of respiration that involves sediment pore water	-0.0149	0.02%
Yellow Perch Small	Amphipods/Isopods: Water fraction in biota	-0.0154	0.02%
Threespine Stickleback	Crayfish small: Dietary absorption efficiency of water	0.0151	0.02%
Phytoplankton	Peamouth chub: Non-lipid organic matter fraction in biota	0.0150	0.02%
Sockeye Salmon (juv.)	Sculpin: Wet weight of the organism	0.0157	0.02%
Crayfish Small	Peamouth chub: Water fraction in biota	-0.0157	0.02%
Phytoplankton	Crayfish Large: Fraction of respiration that involves sediment pore water	0.0150	0.02%
Phytoplankton	Prickly sculpin small: Fraction of respiration that involves sediment pore water	-0.0150	0.02%
Crayfish Small	Longfin smelt: Dietary absorption efficiency of non-lipid organic matter	-0.0157	0.02%
Amphipods/Isopods	Benthic invertebrates: Dietary absorption efficiency of non-lipid organic matter	0.0177	0.02%
Prickly Sculpin Small	Amphipods/Isopods: Wet weight of the organism	-0.0157	0.02%
Prickly Sculpin Small	Cutthroat trout: Dietary absorption efficiency of lipid	0.0157	0.02%
Smallmouth Bass	Crayfish Large: ED constant A	-0.0152	0.02%
Smallmouth Bass	Longfin smelt: Lipid fraction in biota	-0.0152	0.02%
Amphipods/Isopods	Benthic invertebrates: ED constant B	-0.0176	0.02%
Mollusks	Sculpin: Dietary absorption efficiency of non-lipid organic matter	-0.0161	0.02%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Prickly Sculpin Large	Smallmouth bass: Dietary absorption efficiency of water	-0.0154	0.02%
Mysids	Stickleback: Dietary absorption efficiency of non-lipid organic matter	-0.0148	0.02%
Crayfish Small	Mysids: ED constant A	-0.0156	0.02%
Daphnia	Yellow perch large: ED constant B	-0.0169	0.02%
Daphnia	Crayfish small: Fraction of respiration that involves sediment pore water	0.0169	0.02%
Daphnia	Mysids: ED constant A	0.0168	0.02%
Mollusks	Benthic invertebrates: ED constant B	-0.0160	0.02%
Copepods	Smallmouth bass: Wet weight of the organism	-0.0178	0.02%
Prickly Sculpin Small	Abiotic parms: Concentration of POC in water	-0.0155	0.02%
Amphipods/Isopods	Mollusks: ED constant B	0.0174	0.02%
Northern Pikeminnow	Smallmouth bass: Non-lipid organic matter fraction in biota	-0.0150	0.02%
Copepods	Yellow perch small:Non-lipid organic matter fraction in biota	-0.0178	0.02%
Peamouth	Smallmouth bass: Wet weight of the organism	-0.0143	0.02%
Benthic Invertebrates	Northern pikeminnow: Wet weight of the organism	0.0152	0.02%
Benthic Invertebrates	Crayfish Large: ED constant B	-0.0152	0.02%
Yellow Perch Small	Yellow perch large: Non-lipid organic matter fraction in biota	-0.0151	0.02%
Daphnia	Yellow perch large: Wet weight of the organism	-0.0167	0.02%
Northern Pikeminnow	Yellow perch large: ED constant B	-0.0150	0.02%
Prickly Sculpin Small	Yellow perch small:Dietary absorption efficiency of non-lipid organic matter	-0.0154	0.02%
Copepods	Yellow perch small:Water fraction in biota	0.0177	0.02%
Yellow Perch Small	Sculpin: ED constant A	-0.0150	0.02%
Longfin Smelt	Peamouth chub: Fraction of respiration that involves sediment pore water	-0.0149	0.02%
Cutthroat Trout	Yellow perch large: Dietary absorption efficiency of non-lipid organic matter	0.0148	0.02%
Prickly Sculpin Large	Cutthroat trout: ED constant A	0.0152	0.02%
Northern Pikeminnow	Mysids: ED constant B	0.0149	0.02%
Phytoplankton	Yellow perch small:Water fraction in biota	-0.0147	0.02%
Longfin Smelt	Crayfish Large: Dietary absorption efficiency of lipid	-0.0148	0.02%
Peamouth	Crayfish small: Non-lipid organic matter fraction in biota	-0.0141	0.02%
Yellow Perch Large	Northern pikeminnow: ED constant A	-0.0151	0.02%
Prickly Sculpin Small	Smallmouth bass: Water fraction in biota	0.0153	0.02%
Sockeye Salmon (juv.)	Yellow perch small:Wet weight of the organism	0.0153	0.02%
Northern Pikeminnow	Sockeye juvenile: Fraction of respiration that involves sediment pore water	0.0148	0.02%
Copepods	Prickly sculpin small: Dietary absorption efficiency of lipid	0.0175	0.02%
Sockeye Salmon (juv.)	Peamouth chub: Lipid fraction in biota	-0.0152	0.02%
Crayfish Small	Yellow perch large: Water fraction in biota	0.0152	0.02%
Yellow Perch Small	Amphipods/Isopods: Non-lipid organic matter fraction in biota	0.0148	0.02%
Northern Pikeminnow	Stickleback: Water fraction in biota	0.0147	0.02%
Amphipods/Isopods	Longfin smelt: Water fraction in biota	0.0171	0.02%
Copepods	Mollusks: Dietary absorption efficiency of non-lipid organic matter	0.0174	0.02%
Yellow Perch Small	Peamouth chub: ED constant A	0.0148	0.02%
Crayfish Large	Yellow perch large: Dietary absorption efficiency of non-lipid organic matter	0.0152	0.02%
Prickly Sculpin Small	Sockeye juvenile: Dietary absorption efficiency of water	0.0152	0.02%
Yellow Perch Large	Mysids: ED constant A	0.0150	0.02%
Cutthroat Trout	Peamouth chub: Water fraction in biota	0.0146	0.02%
Yellow Perch Large	Stickleback: Water fraction in biota	-0.0150	0.02%
Yellow Perch Large	Cutthroat trout: Dietary absorption efficiency of water	0.0150	0.02%
Sockeye Salmon (juv.)	Yellow perch small:Fraction of respiration that involves sediment pore water	0.0151	0.02%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Yellow Perch Small	Stickleback: Water fraction in biota	-0.0147	0.02%
Northern Pike minnow	Phytoplankton: Organic phase resistance constant	-0.0146	0.02%
Yellow Perch Small	Yellow perch large: Water fraction in biota	0.0147	0.02%
Peamouth	Cutthroat trout: Wet weight of the organism	0.0139	0.02%
Daphnia	Phytoplankton: Water fraction in plant	-0.0163	0.02%
Prickly Sculpin Large	Crayfish Large: Water fraction in biota	-0.0148	0.02%
Phytoplankton	Northern pike minnow: Water fraction in biota	-0.0143	0.02%
Daphnia	Cutthroat trout: Lipid fraction in biota	-0.0162	0.02%
Daphnia	Daphnia: Dietary absorption efficiency of lipid	0.0162	0.02%
Yellow Perch Large	Copepods: ED constant A	0.0148	0.02%
Amphipods/Isopods	Amphipods/Isopods: Dietary absorption efficiency of water	-0.0168	0.02%
Threespine Stickleback	Benthic invertebrates: Wet weight of the organism	0.0144	0.02%
Peamouth	Crayfish small: Water fraction in biota	0.0138	0.02%
Northern Pike minnow	Yellow perch large: Dietary absorption efficiency of water	0.0145	0.02%
Benthic Invertebrates	Daphnia: ED constant A	0.0146	0.02%
Mollusks	Longfin smelt: Dietary absorption efficiency of non-lipid organic matter	-0.0153	0.02%
Daphnia	Prickly sculpin small: Lipid fraction in biota	-0.0161	0.02%
Northern Pike minnow	Stickleback: Dietary absorption efficiency of water	-0.0144	0.02%
Yellow Perch Large	Cutthroat trout: Wet weight of the organism	-0.0147	0.02%
Mollusks	Mysids: Lipid fraction in biota	0.0153	0.02%
Prickly Sculpin Small	Mysids: Dietary absorption efficiency of water	-0.0149	0.02%
Daphnia	Peamouth chub: Lipid fraction in biota	0.0161	0.02%
Threespine Stickleback	Prickly sculpin small: Fraction of respiration that involves sediment pore water	-0.0142	0.02%
Benthic Invertebrates	Smallmouth bass: Dietary absorption efficiency of non-lipid organic matter	-0.0146	0.02%
Smallmouth Bass	Chem properties: LeBas molar volume	-0.0144	0.02%
Northern Pike minnow	Cutthroat trout: ED constant B	0.0144	0.02%
Mollusks	Daphnia: Dietary absorption efficiency of non-lipid organic matter	0.0152	0.02%
Yellow Perch Large	Benthic invertebrates: Dietary absorption efficiency of water	-0.0146	0.02%
Cutthroat Trout	Mysids: ED constant B	-0.0142	0.02%
Phytoplankton	Yellow perch small:ED constant A	0.0141	0.02%
Sockeye Salmon (juv.)	Phytoplankton: Aqueous phase resistance constant	0.0147	0.02%
Peamouth	Mysids: Dietary absorption efficiency of non-lipid organic matter	-0.0136	0.02%
Mysids	Sockeye juvenile: Dietary absorption efficiency of lipid	0.0139	0.02%
Benthic Invertebrates	Phytoplankton: Water fraction in plant	-0.0144	0.02%
Yellow Perch Large	General Bio: Growth rate factor invert	-0.0145	0.02%
Phytoplankton	Copepods: Dietary absorption efficiency of water	0.0139	0.02%
Phytoplankton	Yellow perch small:Non-lipid organic matter fraction in biota	0.0139	0.02%
Yellow Perch Small	Daphnia: Dietary absorption efficiency of non-lipid organic matter	0.0142	0.02%
Cutthroat Trout	Mysids: Dietary absorption efficiency of non-lipid organic matter	-0.0141	0.02%
Peamouth	Crayfish Large: Water fraction in biota	-0.0135	0.02%
Crayfish Large	Crayfish small: Water fraction in biota	-0.0146	0.02%
Benthic Invertebrates	Yellow perch small:ED constant B	0.0143	0.02%
Longfin Smelt	Crayfish Large: ED constant B	-0.0140	0.02%
Mysids	Chem properties: LeBas molar volume	-0.0137	0.02%
Prickly Sculpin Large	Longfin smelt: ED constant A	-0.0143	0.02%
Peamouth	Sockeye juvenile: Lipid fraction in biota	-0.0134	0.02%
Crayfish Large	Sockeye juvenile: Lipid fraction in biota	0.0146	0.02%
Mollusks	Abiotic parms: Mean annual water temperature	-0.0149	0.02%
Longfin Smelt	Sculpin: Dietary absorption efficiency of lipid	0.0140	0.02%
Mollusks	Smallmouth bass: Dietary absorption efficiency of water	-0.0149	0.02%
Yellow Perch Large	Cutthroat trout: Dietary absorption efficiency of non-lipid organic matter	0.0143	0.02%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Sockeye Salmon (juv.)	Mysids: ED constant A	0.0144	0.02%
Peamouth	Mysids: Wet weight of the organism	-0.0133	0.02%
Amphipods/Isopods	Prickly sculpin small: Dietary absorption efficiency of water	0.0162	0.02%
Benthic Invertebrates	Crayfish Large: Dietary absorption efficiency of water	0.0142	0.02%
Crayfish Large	Cutthroat trout: Wet weight of the organism	-0.0145	0.02%
Daphnia	Amphipods/Isopods: Non-lipid organic matter fraction in biota	-0.0156	0.02%
Northern Pike minnow	Daphnia: Wet weight of the organism	0.0140	0.02%
Mollusks	Phytoplankton: Aqueous phase resistance constant	0.0148	0.02%
Northern Pike minnow	Crayfish small: ED constant B	-0.0139	0.02%
Mollusks	Amphipods/Isopods: Wet weight of the organism	-0.0148	0.02%
Amphipods/Isopods	Sculpin: Dietary absorption efficiency of lipid	0.0162	0.02%
Peamouth	Crayfish Large: Non-lipid organic matter fraction in biota	0.0133	0.02%
Phytoplankton	Peamouth chub: Dietary absorption efficiency of water	0.0137	0.02%
Yellow Perch Large	Mollusks: ED constant B	0.0142	0.02%
Longfin Smelt	Mollusks: ED constant A	-0.0138	0.02%
Longfin Smelt	Daphnia: Lipid fraction in biota	0.0138	0.02%
Benthic Invertebrates	Peamouth chub: Wet weight of the organism	-0.0141	0.02%
Crayfish Large	Crayfish small: Non-lipid organic matter fraction in biota	0.0144	0.02%
Mysids	Prickly sculpin small: Dietary absorption efficiency of lipid	0.0135	0.02%
Daphnia	Amphipods/Isopods: Water fraction in biota	0.0154	0.02%
Cutthroat Trout	Smallmouth bass: ED constant B	-0.0137	0.02%
Peamouth	Sockeye juvenile: Wet weight of the organism	0.0132	0.02%
Prickly Sculpin Small	Mollusks: Dietary absorption efficiency of water	-0.0142	0.02%
Northern Pike minnow	Smallmouth bass: Water fraction in biota	0.0138	0.02%
Daphnia	Chem properties: PCB 118 sediment	0.0154	0.02%
Prickly Sculpin Small	Mysids: Dietary absorption efficiency of non-lipid organic matter	-0.0142	0.02%
Crayfish Small	Copepods: ED constant B	0.0142	0.02%
Mysids	Yellow perch large: Water fraction in biota	-0.0134	0.02%
Sockeye Salmon (juv.)	Cutthroat trout: ED constant A	0.0141	0.02%
Crayfish Small	Copepods: Dietary absorption efficiency of lipid	0.0141	0.02%
Mollusks	Peamouth chub: Dietary absorption efficiency of water	-0.0146	0.02%
Crayfish Large	Crayfish small: ED constant A	0.0142	0.02%
Peamouth	Copepods: Dietary absorption efficiency of non-lipid organic matter	0.0130	0.02%
Crayfish Large	Amphipods/Isopods: Fraction of respiration that involves sediment pore water	-0.0141	0.02%
Mysids	Benthic invertebrates: Non-lipid organic matter fraction in biota	0.0133	0.02%
Northern Pike minnow	Prickly sculpin small: Dietary absorption efficiency of water	-0.0136	0.02%
Prickly Sculpin Large	Sculpin: Dietary absorption efficiency of water	0.0139	0.02%
Yellow Perch Large	Mollusks: Non-lipid organic matter fraction in biota	-0.0139	0.02%
Prickly Sculpin Large	Cutthroat trout: Dietary absorption efficiency of lipid	0.0138	0.02%
Yellow Perch Large	Abiotic parms: Density of OC in sediment	0.0139	0.02%
Longfin Smelt	Yellow perch small: Wet weight of the organism	0.0135	0.02%
Copepods	Yellow perch large: Dietary absorption efficiency of water	0.0160	0.02%
Yellow Perch Small	Daphnia: Dietary absorption efficiency of lipid	0.0136	0.02%
Prickly Sculpin Small	Northern pike minnow: ED constant B	-0.0139	0.02%
Prickly Sculpin Large	Cutthroat trout: Dietary absorption efficiency of non-lipid organic matter	-0.0137	0.02%
Benthic Invertebrates	Daphnia: ED constant B	0.0137	0.02%
Cutthroat Trout	Sockeye juvenile: Dietary absorption efficiency of non-lipid organic matter	0.0134	0.02%
Copepods	Mysids: Dietary absorption efficiency of non-lipid organic matter	0.0159	0.02%
Daphnia	Mysids: Dietary absorption efficiency of lipid	0.0150	0.02%
Smallmouth Bass	Copepods: Dietary absorption efficiency of non-lipid organic matter	0.0135	0.02%
Crayfish Small	Mysids: Water fraction in biota	0.0139	0.02%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Daphnia	Sculpin: ED constant A	-0.0150	0.02%
Copepods	Daphnia: Dietary absorption efficiency of non-lipid organic matter	0.0159	0.02%
Peamouth	Crayfish small: Lipid fraction in biota	0.0128	0.02%
Crayfish Large	Longfin smelt: Dietary absorption efficiency of water	-0.0139	0.02%
Benthic Invertebrates	Crayfish small: ED constant A	0.0135	0.01%
Mollusks	Longfin smelt: Non-lipid organic matter fraction in biota	-0.0142	0.01%
Amphipods/Isopods	Longfin smelt: Non-lipid organic matter fraction in biota	-0.0155	0.01%
Amphipods/Isopods	Benthic invertebrates: ED constant A	0.0155	0.01%
Smallmouth Bass	Yellow perch large: Dietary absorption efficiency of non-lipid organic matter	-0.0133	0.01%
Longfin Smelt	Sculpin: Wet weight of the organism	0.0132	0.01%
Phytoplankton	Daphnia: Lipid fraction in biota	0.0131	0.01%
Prickly Sculpin Small	Smallmouth bass: Non-lipid organic matter fraction in biota	-0.0137	0.01%
Yellow Perch Small	Cutthroat trout: Dietary absorption efficiency of lipid	-0.0133	0.01%
Cutthroat Trout	Sockeye juvenile: Lipid fraction in biota	-0.0131	0.01%
Sockeye Salmon (juv.)	Yellow perch large: Dietary absorption efficiency of non-lipid organic matter	0.0136	0.01%
Yellow Perch Large	Smallmouth bass: Dietary absorption efficiency of non-lipid organic matter	-0.0135	0.01%
Mollusks	Yellow perch small: Fraction of respiration that involves sediment pore water	0.0140	0.01%
Threespine Stickleback	Amphipods/Isopods: Wet weight of the organism	-0.0130	0.01%
Copepods	Copepods: Wet weight of the organism	0.0155	0.01%
Northern Pike minnow	Peamouth chub: Dietary absorption efficiency of water	0.0131	0.01%
Crayfish Large	Mysids: Dietary absorption efficiency of water	-0.0136	0.01%
Threespine Stickleback	Longfin smelt: Dietary absorption efficiency of water	0.0130	0.01%
Cutthroat Trout	Longfin smelt: Wet weight of the organism	0.0130	0.01%
Yellow Perch Large	Phytoplankton: Non-lipid organic carbon fraction in plant	-0.0134	0.01%
Crayfish Large	Crayfish small: Lipid fraction in biota	0.0136	0.01%
Crayfish Small	Northern pike minnow: Dietary absorption efficiency of lipid	-0.0135	0.01%
Daphnia	Cutthroat trout: Dietary absorption efficiency of water	0.0146	0.01%
Northern Pike minnow	Mollusks: ED constant B	-0.0131	0.01%
Threespine Stickleback	Phytoplankton: Aqueous phase resistance constant	0.0129	0.01%
Mysids	Daphnia: Non-lipid organic matter fraction in biota	0.0127	0.01%
Prickly Sculpin Large	Sockeye juvenile: Fraction of respiration that involves sediment pore water	-0.0132	0.01%
Yellow Perch Small	Crayfish small: ED constant B	-0.0130	0.01%
Mysids	Phytoplankton: Growth rate constant	-0.0127	0.01%
Threespine Stickleback	Cutthroat trout: Water fraction in biota	-0.0129	0.01%
Amphipods/Isopods	Mysids: Wet weight of the organism	-0.0151	0.01%
Yellow Perch Small	Northern pike minnow: ED constant B	0.0130	0.01%
Smallmouth Bass	Abiotic parms: Disequilibrium factor for DOC partitioning in water column	-0.0129	0.01%
Benthic Invertebrates	Smallmouth bass: Non-lipid organic matter fraction in biota	-0.0131	0.01%
Peamouth	Sculpin: Lipid fraction in biota	0.0123	0.01%
Phytoplankton	Prickly sculpin small: Dietary absorption efficiency of water	-0.0127	0.01%
Longfin Smelt	Mysids: Dietary absorption efficiency of lipid	-0.0128	0.01%
Prickly Sculpin Small	Sculpin: ED constant B	0.0133	0.01%
Sockeye Salmon (juv.)	Daphnia: ED constant B	-0.0132	0.01%
Copepods	Crayfish small: ED constant A	-0.0151	0.01%
Benthic Invertebrates	Sculpin: ED constant B	-0.0130	0.01%
Sockeye Salmon (juv.)	Stickleback: Water fraction in biota	-0.0132	0.01%
Amphipods/Isopods	Prickly sculpin small: ED constant A	0.0148	0.01%
Smallmouth Bass	Mollusks: Dietary absorption efficiency of lipid	-0.0128	0.01%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Crayfish Small	Mysids: Non-lipid organic matter fraction in biota	-0.0131	0.01%
Sockeye Salmon (juv.)	Mysids: ED constant B	-0.0131	0.01%
Prickly Sculpin Small	Northern pikeminnow: Non-lipid organic matter fraction in biota	0.0131	0.01%
Longfin Smelt	Copepods: Dietary absorption efficiency of water	0.0127	0.01%
Mysids	Benthic invertebrates: Water fraction in biota	-0.0124	0.01%
Sockeye Salmon (juv.)	Smallmouth bass: Dietary absorption efficiency of lipid	0.0131	0.01%
Sockeye Salmon (juv.)	General Bio: Metabolic transformation rate	-0.0130	0.01%
Daphnia	Longfin smelt: Lipid fraction in biota	0.0141	0.01%
Copepods	Stickleback: ED constant B	-0.0149	0.01%
Longfin Smelt	Crayfish Large: Wet weight of the organism	-0.0125	0.01%
Daphnia	Mollusks: Fraction of respiration that involves sediment pore water	-0.0141	0.01%
Yellow Perch Large	Amphipods/Isopods: Dietary absorption efficiency of lipid	0.0129	0.01%
Mollusks	Longfin smelt: Dietary absorption efficiency of water	0.0134	0.01%
Yellow Perch Large	Amphipods/Isopods: ED constant B	-0.0128	0.01%
Crayfish Small	Yellow perch large: ED constant B	0.0129	0.01%
Yellow Perch Small	Amphipods/Isopods: Dietary absorption efficiency of water	-0.0126	0.01%
Benthic Invertebrates	Sockeye juvenile: Non-lipid organic matter fraction in biota	-0.0127	0.01%
Sockeye Salmon (juv.)	Daphnia: ED constant A	0.0129	0.01%
Copepods	Prickly sculpin small: Dietary absorption efficiency of water	0.0148	0.01%
Sockeye Salmon (juv.)	Yellow perch large: Non-lipid organic matter fraction in biota	-0.0129	0.01%
Smallmouth Bass	Yellow perch small:Dietary absorption efficiency of non-lipid organic matter	-0.0125	0.01%
Mollusks	Amphipods/Isopods: Lipid fraction in biota	0.0133	0.01%
Copepods	Sockeye juvenile: ED constant B	-0.0148	0.01%
Yellow Perch Small	General Bio: Ew constant A	0.0125	0.01%
Prickly Sculpin Large	Mysids: Dietary absorption efficiency of non-lipid organic matter	0.0127	0.01%
Amphipods/Isopods	Mollusks: Dietary absorption efficiency of lipid	-0.0145	0.01%
Yellow Perch Large	Crayfish Large: Non-lipid organic matter fraction in biota	0.0127	0.01%
Mollusks	Crayfish small: Lipid fraction in biota	-0.0132	0.01%
Sockeye Salmon (juv.)	Sockeye juvenile: Wet weight of the organism	-0.0128	0.01%
Prickly Sculpin Large	Stickleback: ED constant A	-0.0126	0.01%
Copepods	Yellow perch small:Dietary absorption efficiency of water	-0.0147	0.01%
Longfin Smelt	Daphnia: Dietary absorption efficiency of non-lipid organic matter	0.0123	0.01%
Prickly Sculpin Large	Mollusks: ED constant B	-0.0126	0.01%
Mollusks	Sockeye juvenile: Water fraction in biota	-0.0131	0.01%
Mysids	Peamouth chub: Dietary absorption efficiency of water	-0.0120	0.01%
Prickly Sculpin Small	Phytoplankton: Aqueous phase resistance constant	0.0127	0.01%
Copepods	Peamouth chub: Wet weight of the organism	-0.0146	0.01%
Peamouth	Crayfish Large: Wet weight of the organism	-0.0117	0.01%
Benthic Invertebrates	Stickleback: ED constant A	-0.0125	0.01%
Prickly Sculpin Large	Abiotic parms: Proportionality constant for phase partitioning of POC	-0.0125	0.01%
Smallmouth Bass	Crayfish Large: Dietary absorption efficiency of non-lipid organic matter	0.0123	0.01%
Prickly Sculpin Large	Mysids: Dietary absorption efficiency of lipid	-0.0125	0.01%
Crayfish Small	Sockeye juvenile: Dietary absorption efficiency of lipid	-0.0126	0.01%
Copepods	Sockeye juvenile: Fraction of respiration that involves sediment pore water	0.0145	0.01%
Yellow Perch Large	Crayfish Large: Water fraction in biota	-0.0125	0.01%
Mollusks	General Bio: Particle scavenging efficiency	0.0130	0.01%
Longfin Smelt	Smallmouth bass: Lipid fraction in biota	-0.0121	0.01%
Prickly Sculpin Small	Mysids: Wet weight of the organism	0.0125	0.01%
Prickly Sculpin Large	Peamouth chub: ED constant A	-0.0124	0.01%
Copepods	Smallmouth bass: ED constant B	0.0144	0.01%
Mollusks	Cutthroat trout: Dietary absorption efficiency of water	0.0129	0.01%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Sockeye Salmon (juv.)	Benthic invertebrates: Dietary absorption efficiency of lipid	0.0125	0.01%
Crayfish Large	Prickly sculpin small: Lipid fraction in biota	0.0126	0.01%
Crayfish Large	Peamouth chub: ED constant B	0.0125	0.01%
Threespine Stickleback	Crayfish Large: Fraction of respiration that involves sediment pore water	0.0120	0.01%
Northern Pikeminnow	Copepods: ED constant B	0.0121	0.01%
Prickly Sculpin Large	Stickleback: Non-lipid organic matter fraction in biota	0.0122	0.01%
Mysids	Daphnia: Water fraction in biota	-0.0117	0.01%
Prickly Sculpin Small	Daphnia: ED constant A	0.0124	0.01%
Mollusks	Prickly sculpin small: Wet weight of the organism	-0.0128	0.01%
Cutthroat Trout	Crayfish Large: Dietary absorption efficiency of non-lipid organic matter	-0.0119	0.01%
Threespine Stickleback	Sockeye juvenile: Dietary absorption efficiency of lipid	0.0119	0.01%
Copepods	Benthic invertebrates: Dietary absorption efficiency of non-lipid organic matter	-0.0142	0.01%
Smallmouth Bass	Sockeye juvenile: Dietary absorption efficiency of non-lipid organic matter	0.0120	0.01%
Copepods	Cutthroat trout: ED constant B	0.0141	0.01%
Threespine Stickleback	Northern pikeminnow: ED constant A	0.0118	0.01%
Crayfish Large	Yellow perch small:ED constant A	0.0124	0.01%
Yellow Perch Large	Longfin smelt: Wet weight of the organism	0.0122	0.01%
Sockeye Salmon (juv.)	Peamouth chub: Non-lipid organic matter fraction in biota	-0.0123	0.01%
Copepods	Stickleback: Dietary absorption efficiency of non-lipid organic matter	-0.0141	0.01%
Yellow Perch Small	Benthic invertebrates: Dietary absorption efficiency of non-lipid organic matter	-0.0120	0.01%
Amphipods/Isopods	Peamouth chub: Wet weight of the organism	0.0139	0.01%
Mollusks	Sculpin: Non-lipid organic matter fraction in biota	-0.0127	0.01%
Crayfish Large	Amphipods/Isopods: ED constant A	0.0124	0.01%
Threespine Stickleback	Yellow perch large: Wet weight of the organism	0.0118	0.01%
Crayfish Large	Copepods: Wet weight of the organism	0.0123	0.01%
Yellow Perch Large	Amphipods/Isopods: Dietary absorption efficiency of non-lipid organic matter	-0.0122	0.01%
Amphipods/Isopods	Abiotic parms: Organic carbon content of sediment	-0.0138	0.01%
Sockeye Salmon (juv.)	Longfin smelt: ED constant A	-0.0122	0.01%
Daphnia	Longfin smelt: ED constant A	0.0133	0.01%
Peamouth	Phytoplankton: Non-lipid organic carbon fraction in plant	-0.0113	0.01%
Benthic Invertebrates	General Bio: Density of lipids	-0.0119	0.01%
Longfin Smelt	Crayfish small: Lipid fraction in biota	-0.0117	0.01%
Daphnia	Mollusks: Dietary absorption efficiency of lipid	-0.0132	0.01%
Cutthroat Trout	Sculpin: ED constant B	-0.0117	0.01%
Copepods	Abiotic parms: Organic carbon content of sediment	0.0139	0.01%
Cutthroat Trout	Amphipods/Isopods: ED constant B	-0.0116	0.01%
Yellow Perch Small	Mollusks: Fraction of respiration that involves sediment pore water	-0.0118	0.01%
Peamouth	Prickly sculpin small: Fraction of respiration that involves sediment pore water	-0.0112	0.01%
Copepods	Copepods: Dietary absorption efficiency of water	0.0139	0.01%
Threespine Stickleback	Daphnia: Lipid fraction in biota	0.0115	0.01%
Amphipods/Isopods	Yellow perch large: ED constant B	0.0135	0.01%
Longfin Smelt	Northern pikeminnow: Lipid fraction in biota	-0.0116	0.01%
Prickly Sculpin Large	Abiotic parms: Concentration of suspended solids	-0.0118	0.01%
Peamouth	Copepods: Non-lipid organic matter fraction in biota	-0.0111	0.01%
Peamouth	Stickleback: Water fraction in biota	0.0111	0.01%
Crayfish Large	Mollusks: Fraction of respiration that involves sediment pore water	-0.0120	0.01%
Yellow Perch Small	Sockeye juvenile: ED constant A	-0.0116	0.01%
Crayfish Small	Stickleback: Dietary absorption efficiency of non-lipid organic matter	-0.0119	0.01%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Daphnia	General Bio: Ew constant A	-0.0129	0.01%
Crayfish Small	Yellow perch large: Wet weight of the organism	0.0119	0.01%
Copepods	Amphipods/Isopods: ED constant A	0.0137	0.01%
Amphipods/Isopods	Mollusks: Wet weight of the organism	-0.0134	0.01%
Mollusks	Phytoplankton: Organic phase resistance constant	0.0123	0.01%
Crayfish Large	Sculpin: Water fraction in biota	-0.0119	0.01%
Benthic Invertebrates	Crayfish Large: Fraction of respiration that involves sediment pore water	0.0117	0.01%
Threespine Stickleback	Cutthroat trout: Non-lipid organic matter fraction in biota	0.0114	0.01%
Cutthroat Trout	Peamouth chub: Wet weight of the organism	0.0114	0.01%
Mollusks	Sculpin: Water fraction in biota	0.0122	0.01%
Amphipods/Isopods	Mollusks: Fraction of respiration that involves sediment pore water	0.0133	0.01%
Amphipods/Isopods	Mysids: ED constant B	-0.0132	0.01%
Smallmouth Bass	Northern pikeminnow: Dietary absorption efficiency of lipid	0.0114	0.01%
Longfin Smelt	Cutthroat trout: Non-lipid organic matter fraction in biota	0.0114	0.01%
Sockeye Salmon (juv.)	Prickly sculpin small: Dietary absorption efficiency of water	0.0117	0.01%
Crayfish Large	Peamouth chub: Lipid fraction in biota	-0.0118	0.01%
Longfin Smelt	Yellow perch small: Dietary absorption efficiency of water	-0.0113	0.01%
Prickly Sculpin Small	Mollusks: ED constant B	0.0117	0.01%
Yellow Perch Small	Daphnia: ED constant B	-0.0114	0.01%
Sockeye Salmon (juv.)	Copepods: ED constant B	-0.0117	0.01%
Yellow Perch Small	Copepods: Lipid fraction in biota	-0.0114	0.01%
Amphipods/Isopods	Copepods: Dietary absorption efficiency of water	-0.0131	0.01%
Crayfish Small	Peamouth chub: Dietary absorption efficiency of water	-0.0116	0.01%
Crayfish Large	Phytoplankton: Organic phase resistance constant	0.0117	0.01%
Yellow Perch Large	Longfin smelt: Non-lipid organic matter fraction in biota	0.0115	0.01%
Mollusks	Northern pikeminnow: ED constant A	-0.0120	0.01%
Phytoplankton	Stickleback: ED constant B	-0.0111	0.01%
Longfin Smelt	Smallmouth bass: Wet weight of the organism	-0.0112	0.01%
Benthic Invertebrates	Peamouth chub: Non-lipid organic matter fraction in biota	0.0114	0.01%
Northern Pikeminnow	Prickly sculpin small: Fraction of respiration that involves sediment pore water	-0.0113	0.01%
Peamouth	Copepods: Water fraction in biota	0.0107	0.01%
Cutthroat Trout	Mollusks: Fraction of respiration that involves sediment pore water	-0.0112	0.01%
Phytoplankton	Yellow perch large: Dietary absorption efficiency of water	0.0110	0.01%
Yellow Perch Large	Mollusks: Water fraction in biota	0.0114	0.01%
Copepods	Sockeye juvenile: Wet weight of the organism	0.0133	0.01%
Daphnia	Yellow perch small: Lipid fraction in biota	-0.0125	0.01%
Amphipods/Isopods	Cutthroat trout: ED constant A	-0.0130	0.01%
Sockeye Salmon (juv.)	Abiotic parms: Disequilibrium factor for POC partitioning in water column	-0.0115	0.01%
Cutthroat Trout	Peamouth chub: Dietary absorption efficiency of water	-0.0111	0.01%
Copepods	Yellow perch large: Fraction of respiration that involves sediment pore water	0.0132	0.01%
Yellow Perch Small	Abiotic parms: Density of OC in sediment	0.0112	0.01%
Longfin Smelt	Mysids: ED constant B	-0.0111	0.01%
Mollusks	Yellow perch large: Water fraction in biota	0.0119	0.01%
Threespine Stickleback	Peamouth chub: Non-lipid organic matter fraction in biota	0.0110	0.01%
Yellow Perch Small	Prickly sculpin small: Dietary absorption efficiency of non-lipid organic matter	-0.0112	0.01%
Longfin Smelt	Cutthroat trout: Wet weight of the organism	-0.0111	0.01%
Peamouth	Daphnia: Dietary absorption efficiency of non-lipid organic matter	-0.0106	0.01%
Sockeye Salmon (juv.)	Crayfish small: Dietary absorption efficiency of non-lipid organic matter	0.0114	0.01%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Amphipods/Isopods	Stickleback: Dietary absorption efficiency of non-lipid organic matter	-0.0129	0.01%
Daphnia	Northern pikeminnow: Non-lipid organic matter fraction in biota	-0.0124	0.01%
Daphnia	Northern pikeminnow: ED constant B	-0.0124	0.01%
Crayfish Small	Northern pikeminnow: Lipid fraction in biota	-0.0114	0.01%
Prickly Sculpin Large	Crayfish Large: Dietary absorption efficiency of non-lipid organic matter	0.0113	0.01%
Cutthroat Trout	Yellow perch small: Fraction of respiration that involves sediment pore water	-0.0110	0.01%
Mysids	Crayfish Large: ED constant B	0.0108	0.01%
Crayfish Small	Mollusks: Wet weight of the organism	-0.0114	0.01%
Daphnia	Peamouth chub: Dietary absorption efficiency of lipid	-0.0123	0.01%
Benthic Invertebrates	Mysids: Water fraction in biota	0.0112	0.01%
Threespine Stickleback	Daphnia: Dietary absorption efficiency of lipid	0.0109	0.01%
Amphipods/Isopods	Chem properties: Molecular weight	-0.0128	0.01%
Northern Pikeminnow	Sculpin: Non-lipid organic matter fraction in biota	-0.0110	0.01%
Mollusks	Smallmouth bass: ED constant A	0.0117	0.01%
Threespine Stickleback	Mollusks: ED constant A	-0.0109	0.01%
Benthic Invertebrates	General Bio: Metabolic transformation rate	0.0111	0.01%
Copepods	Sculpin: Lipid fraction in biota	-0.0130	0.01%
Benthic Invertebrates	Daphnia: Dietary absorption efficiency of non-lipid organic matter	-0.0111	0.01%
Northern Pikeminnow	Sculpin: Fraction of respiration that involves sediment pore water	0.0110	0.01%
Prickly Sculpin Small	Sculpin: Fraction of respiration that involves sediment pore water	-0.0113	0.01%
Longfin Smelt	Phytoplankton: Lipid fraction in plant	-0.0109	0.01%
Smallmouth Bass	Northern pikeminnow: Wet weight of the organism	0.0109	0.01%
Amphipods/Isopods	Stickleback: Water fraction in biota	0.0127	0.01%
Copepods	Northern pikeminnow: ED constant B	0.0129	0.01%
Mysids	Benthic invertebrates: Dietary absorption efficiency of lipid	0.0107	0.01%
Cutthroat Trout	Peamouth chub: Non-lipid organic matter fraction in biota	-0.0109	0.01%
Peamouth	Sockeye juvenile: Dietary absorption efficiency of lipid	-0.0104	0.01%
Sockeye Salmon (juv.)	Crayfish small: ED constant A	0.0112	0.01%
Northern Pikeminnow	Benthic invertebrates: Dietary absorption efficiency of water	0.0108	0.01%
Crayfish Small	Crayfish Large: ED constant B	-0.0111	0.01%
Prickly Sculpin Large	General Bio: Non-lipid organic matter – octanol proportionality constant	0.0110	0.01%
Peamouth	Amphipods/Isopods: Lipid fraction in biota	0.0103	0.01%
Smallmouth Bass	Mollusks: Dietary absorption efficiency of water	0.0108	0.01%
Mollusks	Sockeye juvenile: Dietary absorption efficiency of lipid	0.0115	0.01%
Crayfish Small	Crayfish Large: Fraction of respiration that involves sediment pore water	-0.0111	0.01%
Yellow Perch Large	Yellow perch small: ED constant A	0.0110	0.01%
Prickly Sculpin Large	Copepods: Wet weight of the organism	-0.0110	0.01%
Phytoplankton	General Bio: Metabolic transformation rate	-0.0106	0.01%
Yellow Perch Large	Sockeye juvenile: Dietary absorption efficiency of water	0.0110	0.01%
Phytoplankton	Abiotic parms: DO concentration @ 90% saturation	-0.0106	0.01%
Northern Pikeminnow	General Bio: Metabolic transformation rate	-0.0108	0.01%
Smallmouth Bass	Peamouth chub: Dietary absorption efficiency of water	-0.0107	0.01%
Threespine Stickleback	Copepods: Lipid fraction in biota	0.0106	0.01%
Copepods	General Bio: Metabolic transformation rate	-0.0127	0.01%
Mollusks	Crayfish Large: Dietary absorption efficiency of non-lipid organic matter	-0.0114	0.01%
Benthic Invertebrates	Mysids: Non-lipid organic matter fraction in biota	-0.0108	0.01%
Copepods	Stickleback: Dietary absorption efficiency of lipid	-0.0126	0.01%
Northern Pikeminnow	Mysids: ED constant A	-0.0107	0.01%
Crayfish Small	Mollusks: Non-lipid organic matter fraction in biota	0.0110	0.01%
Crayfish Small	Yellow perch small: Wet weight of the organism	0.0109	0.01%
Sockeye Salmon (juv.)	Prickly sculpin small: Lipid fraction in biota	-0.0109	0.01%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Phytoplankton	Smallmouth bass: Wet weight of the organism	0.0104	0.01%
Copepods	Yellow perch large: Lipid fraction in biota	-0.0125	0.01%
Yellow Perch Small	Sculpin: Wet weight of the organism	0.0106	0.01%
Copepods	Stickleback: Wet weight of the organism	-0.0125	0.01%
Crayfish Large	Sculpin: Non-lipid organic matter fraction in biota	0.0109	0.01%
Peamouth	Mollusks: Wet weight of the organism	0.0100	0.01%
Longfin Smelt	Cutthroat trout: Water fraction in biota	-0.0104	0.01%
Longfin Smelt	Sockeye juvenile: Water fraction in biota	0.0104	0.01%
Threespine Stickleback	Stickleback: Dietary absorption efficiency of water	-0.0104	0.01%
Prickly Sculpin Large	Longfin smelt: Lipid fraction in biota	-0.0106	0.01%
Yellow Perch Large	Crayfish small: Lipid fraction in biota	-0.0107	0.01%
Crayfish Small	Mollusks: Water fraction in biota	-0.0108	0.01%
Mollusks	Sockeye juvenile: Wet weight of the organism	-0.0111	0.01%
Sockeye Salmon (juv.)	Mysids: Lipid fraction in biota	0.0107	0.01%
Benthic Invertebrates	Sockeye juvenile: Water fraction in biota	0.0105	0.01%
Northern Pikeminnow	Benthic invertebrates: ED constant A	-0.0104	0.01%
Mysids	Peamouth chub: ED constant B	-0.0101	0.01%
Mysids	Cutthroat trout: Dietary absorption efficiency of non-lipid organic matter	0.0101	0.01%
Benthic Invertebrates	Smallmouth bass: Water fraction in biota	0.0105	0.01%
Benthic Invertebrates	Yellow perch small:Dietary absorption efficiency of non-lipid organic matter	0.0105	0.01%
Cutthroat Trout	Benthic invertebrates: Dietary absorption efficiency of non-lipid organic matter	0.0102	0.01%
Cutthroat Trout	Prickly sculpin small: Water fraction in biota	-0.0102	0.01%
Crayfish Large	Mysids: Dietary absorption efficiency of non-lipid organic matter	0.0106	0.01%
Prickly Sculpin Large	Amphipods/Isopods: Wet weight of the organism	0.0104	0.01%
Sockeye Salmon (juv.)	Yellow perch small:ED constant A	-0.0106	0.01%
Copepods	Chem properties: LeBas molar volume	-0.0121	0.01%
Mysids	Yellow perch small:Dietary absorption efficiency of water	-0.0100	0.01%
Cutthroat Trout	Crayfish Large: Non-lipid organic matter fraction in biota	-0.0102	0.01%
Peamouth	Benthic invertebrates: Dietary absorption efficiency of water	0.0097	0.01%
Mysids	Northern pikeminnow: Dietary absorption efficiency of non-lipid organic matter	-0.0100	0.01%
Sockeye Salmon (juv.)	Sculpin: Non-lipid organic matter fraction in biota	-0.0105	0.01%
Cutthroat Trout	Prickly sculpin small: Non-lipid organic matter fraction in biota	0.0101	0.01%
Phytoplankton	Cutthroat trout: Lipid fraction in biota	-0.0100	0.01%
Yellow Perch Small	Abiotic parms: Organic carbon content of sediment	0.0102	0.01%
Crayfish Large	Cutthroat trout: Dietary absorption efficiency of non-lipid organic matter	-0.0105	0.01%
Longfin Smelt	Sculpin: Dietary absorption efficiency of water	-0.0101	0.01%
Crayfish Small	Crayfish Large: ED constant A	-0.0105	0.01%
Benthic Invertebrates	General Bio: Particle scavenging efficiency	0.0103	0.01%
Peamouth	Crayfish small: Fraction of respiration that involves sediment pore water	0.0097	0.01%
Amphipods/Isopods	Crayfish small: Non-lipid organic matter fraction in biota	0.0117	0.01%
Phytoplankton	Daphnia: Dietary absorption efficiency of non-lipid organic matter	-0.0099	0.01%
Benthic Invertebrates	Peamouth chub: Fraction of respiration that involves sediment pore water	-0.0102	0.01%
Mollusks	Stickleback: ED constant B	0.0107	0.01%
Daphnia	Benthic invertebrates: Lipid fraction in biota	0.0113	0.01%
Cutthroat Trout	Crayfish Large: Water fraction in biota	0.0100	0.01%
Sockeye Salmon (juv.)	Sculpin: Water fraction in biota	0.0104	0.01%
Crayfish Large	Crayfish Large: ED constant A	-0.0104	0.01%
Amphipods/Isopods	Prickly sculpin small: Wet weight of the organism	-0.0117	0.01%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Phytoplankton	Crayfish Large: Lipid fraction in biota	-0.0099	0.01%
Phytoplankton	Smallmouth bass: ED constant B	0.0099	0.01%
Prickly Sculpin Large	Crayfish small: Lipid fraction in biota	0.0102	0.01%
Northern Pikeminnow	Prickly sculpin small: Dietary absorption efficiency of non-lipid organic matter	0.0100	0.01%
Benthic Invertebrates	Yellow perch large: ED constant B	0.0101	0.01%
Yellow Perch Small	Yellow perch large: Lipid fraction in biota	0.0100	0.01%
Northern Pikeminnow	Prickly sculpin small: ED constant B	0.0099	0.01%
Mollusks	Crayfish small: Wet weight of the organism	-0.0105	0.01%
Sockeye Salmon (juv.)	Yellow perch large: Water fraction in biota	0.0102	0.01%
Crayfish Small	Peamouth chub: Wet weight of the organism	-0.0101	0.01%
Prickly Sculpin Large	Northern pikeminnow: Dietary absorption efficiency of non-lipid organic matter	-0.0100	0.01%
Copepods	Benthic invertebrates: Lipid fraction in biota	-0.0116	0.01%
Mysids	Peamouth chub: Dietary absorption efficiency of non-lipid organic matter	-0.0096	0.01%
Longfin Smelt	Amphipods/Isopods: Non-lipid organic matter fraction in biota	-0.0098	0.01%
Mollusks	Yellow perch large: Non-lipid organic matter fraction in biota	-0.0104	0.01%
Daphnia	Prickly sculpin small: ED constant B	-0.0109	0.01%
Amphipods/Isopods	Cutthroat trout: ED constant B	-0.0114	0.01%
Northern Pikeminnow	Sockeye juvenile: Lipid fraction in biota	-0.0097	0.01%
Sockeye Salmon (juv.)	Prickly sculpin small: ED constant A	-0.0100	0.01%
Amphipods/Isopods	Daphnia: ED constant B	-0.0113	0.01%
Daphnia	Northern pikeminnow: Water fraction in biota	0.0108	0.01%
Copepods	Peamouth chub: Lipid fraction in biota	-0.0115	0.01%
Sockeye Salmon (juv.)	Benthic invertebrates: Fraction of respiration that involves sediment pore water	-0.0100	0.01%
Mysids	Benthic invertebrates: Dietary absorption efficiency of water	-0.0095	0.01%
Prickly Sculpin Large	Smallmouth bass: Non-lipid organic matter fraction in biota	-0.0099	0.01%
Yellow Perch Large	Sockeye juvenile: ED constant B	0.0099	0.01%
Threespine Stickleback	Crayfish small: Lipid fraction in biota	-0.0096	0.01%
Northern Pikeminnow	Sculpin: Water fraction in biota	0.0097	0.01%
Copepods	Crayfish Large: Wet weight of the organism	-0.0114	0.01%
Yellow Perch Small	Phytoplankton: Aqueous phase resistance constant	-0.0097	0.01%
Prickly Sculpin Small	Sockeye juvenile: Lipid fraction in biota	-0.0100	0.01%
Crayfish Small	Sculpin: Dietary absorption efficiency of lipid	0.0099	0.01%
Amphipods/Isopods	Crayfish Large: Dietary absorption efficiency of water	0.0112	0.01%
Amphipods/Isopods	Crayfish small: Water fraction in biota	-0.0111	0.01%
Yellow Perch Large	Amphipods/Isopods: Non-lipid organic matter fraction in biota	-0.0098	0.01%
Cutthroat Trout	Yellow perch small: Dietary absorption efficiency of lipid	-0.0095	0.01%
Yellow Perch Small	Benthic invertebrates: Dietary absorption efficiency of lipid	0.0096	0.01%
Yellow Perch Large	Amphipods/Isopods: Water fraction in biota	0.0098	0.01%
Longfin Smelt	Stickleback: ED constant B	0.0095	0.01%
Crayfish Small	Longfin smelt: ED constant A	0.0098	0.01%
Longfin Smelt	Amphipods/Isopods: Water fraction in biota	0.0095	0.01%
Benthic Invertebrates	Amphipods/Isopods: Lipid fraction in biota	-0.0097	0.01%
Mysids	Peamouth chub: Water fraction in biota	0.0093	0.01%
Phytoplankton	Chem properties: PCB 118 sediment	0.0094	0.01%
Threespine Stickleback	Copepods: ED constant B	0.0094	0.01%
Threespine Stickleback	Amphipods/Isopods: Water fraction in biota	0.0094	0.01%
Yellow Perch Large	Phytoplankton: Lipid fraction in plant	-0.0097	0.01%
Phytoplankton	Benthic invertebrates: ED constant A	0.0093	0.01%
Yellow Perch Large	Mollusks: Wet weight of the organism	-0.0097	0.01%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Longfin Smelt	Cutthroat trout: ED constant B	-0.0094	0.01%
Threespine Stickleback	Amphipods/Isopods: Non-lipid organic matter fraction in biota	-0.0093	0.01%
Peamouth	Crayfish small: ED constant A	0.0090	0.01%
Longfin Smelt	Sockeye juvenile: Dietary absorption efficiency of water	-0.0094	0.01%
Smallmouth Bass	Crayfish Large: Dietary absorption efficiency of water	-0.0094	0.01%
Prickly Sculpin Large	Abiotic parms: Disequilibrium factor for POC partitioning in water column	0.0096	0.01%
Crayfish Large	General Bio: Particle scavenging efficiency	-0.0097	0.01%
Amphipods/Isopods	Daphnia: Dietary absorption efficiency of lipid	0.0109	0.01%
Copepods	Longfin smelt: Lipid fraction in biota	0.0111	0.01%
Yellow Perch Large	Yellow perch small:Lipid fraction in biota	0.0096	0.01%
Mysids	Copepods: Dietary absorption efficiency of lipid	-0.0092	0.01%
Daphnia	Sockeye juvenile: ED constant A	-0.0104	0.01%
Phytoplankton	Yellow perch small:ED constant B	0.0092	0.01%
Amphipods/Isopods	Yellow perch large: Dietary absorption efficiency of water	-0.0108	0.01%
Smallmouth Bass	Peamouth chub: Water fraction in biota	0.0093	0.01%
Phytoplankton	Longfin smelt: ED constant B	0.0091	0.01%
Sockeye Salmon (juv.)	Sockeye juvenile: Fraction of respiration that involves sediment pore water	-0.0096	0.01%
Crayfish Large	Prickly sculpin small: ED constant A	-0.0096	0.01%
Prickly Sculpin Large	Stickleback: Water fraction in biota	-0.0094	0.01%
Prickly Sculpin Large	Daphnia: Wet weight of the organism	-0.0094	0.01%
Cutthroat Trout	Crayfish Large: ED constant A	-0.0092	0.01%
Copepods	Northern pikeminnow: ED constant A	0.0109	0.01%
Mysids	Amphipods/Isopods: Dietary absorption efficiency of water	-0.0090	0.01%
Longfin Smelt	Phytoplankton: Water fraction in plant	-0.0092	0.01%
Mysids	Peamouth chub: Non-lipid organic matter fraction in biota	-0.0090	0.01%
Mysids	Sculpin: Dietary absorption efficiency of lipid	-0.0090	0.01%
Smallmouth Bass	Crayfish Large: Dietary absorption efficiency of lipid	0.0092	0.01%
Phytoplankton	Daphnia: Non-lipid organic matter fraction in biota	-0.0090	0.01%
Threespine Stickleback	Yellow perch large: Fraction of respiration that involves sediment pore water	-0.0091	0.01%
Longfin Smelt	Northern pikeminnow: ED constant A	-0.0091	0.01%
Sockeye Salmon (juv.)	Peamouth chub: Dietary absorption efficiency of water	0.0094	0.01%
Northern Pikeminnow	Stickleback: Non-lipid organic matter fraction in biota	-0.0091	0.01%
Mollusks	Smallmouth bass: ED constant B	0.0097	0.01%
Mysids	Mollusks: Dietary absorption efficiency of lipid	-0.0089	0.01%
Amphipods/Isopods	Northern pikeminnow: Non-lipid organic matter fraction in biota	-0.0105	0.01%
Copepods	Sockeye juvenile: Dietary absorption efficiency of lipid	-0.0107	0.01%
Phytoplankton	Northern pikeminnow: Non-lipid organic matter fraction in biota	0.0089	0.01%
Prickly Sculpin Small	Yellow perch large: Fraction of respiration that involves sediment pore water	-0.0094	0.01%
Benthic Invertebrates	Mollusks: Lipid fraction in biota	0.0092	0.01%
Longfin Smelt	Smallmouth bass: Dietary absorption efficiency of water	-0.0090	0.01%
Daphnia	Mysids: Dietary absorption efficiency of non-lipid organic matter	0.0100	0.01%
Prickly Sculpin Large	Longfin smelt: Wet weight of the organism	0.0091	0.01%
Yellow Perch Small	Cutthroat trout: ED constant A	0.0090	0.01%
Yellow Perch Large	Copepods: Dietary absorption efficiency of water	-0.0091	0.01%
Daphnia	Benthic invertebrates: Dietary absorption efficiency of non-lipid organic matter	0.0100	0.01%
Benthic Invertebrates	Amphipods/Isopods: ED constant B	-0.0090	0.01%
Longfin Smelt	Peamouth chub: Lipid fraction in biota	-0.0089	0.01%
Amphipods/Isopods	Crayfish Large: Dietary absorption efficiency of lipid	-0.0104	0.01%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Copepods	Mollusks: Non-lipid organic matter fraction in biota	0.0105	0.01%
Crayfish Small	Yellow perch small:Dietary absorption efficiency of non-lipid organic matter	0.0091	0.01%
Crayfish Large	Crayfish small: Fraction of respiration that involves sediment pore water	0.0092	0.01%
Mysids	Sculpin: Water fraction in biota	0.0086	0.01%
Prickly Sculpin Small	Yellow perch small:Non-lipid organic matter fraction in biota	0.0091	0.01%
Benthic Invertebrates	Yellow perch large: Dietary absorption efficiency of non-lipid organic matter	0.0089	0.01%
Yellow Perch Large	Crayfish Large: ED constant A	0.0090	0.01%
Mysids	Crayfish Large: Dietary absorption efficiency of lipid	0.0086	0.01%
Prickly Sculpin Small	Amphipods/Isopods: Dietary absorption efficiency of non-lipid organic matter	-0.0090	0.01%
Phytoplankton	Copepods: Dietary absorption efficiency of non-lipid organic matter	0.0086	0.01%
Yellow Perch Large	Mollusks: Dietary absorption efficiency of water	-0.0089	0.01%
Peamouth	Northern pikeminnow: Wet weight of the organism	-0.0083	0.01%
Prickly Sculpin Large	Copepods: Lipid fraction in biota	0.0089	0.01%
Prickly Sculpin Small	Sculpin: Dietary absorption efficiency of non-lipid organic matter	-0.0090	0.01%
Prickly Sculpin Large	Cutthroat trout: Wet weight of the organism	-0.0089	0.01%
Crayfish Large	Copepods: Dietary absorption efficiency of lipid	0.0090	0.01%
Mollusks	Amphipods/Isopods: ED constant A	-0.0093	0.01%
Longfin Smelt	Benthic invertebrates: Wet weight of the organism	-0.0087	0.01%
Benthic Invertebrates	Abiotic parms: Disequilibrium factor for POC partitioning in water column	0.0088	0.01%
Copepods	Crayfish Large: Dietary absorption efficiency of lipid	-0.0103	0.01%
Peamouth	Crayfish small: Dietary absorption efficiency of non-lipid organic matter	0.0083	0.01%
Daphnia	Northern pikeminnow: Wet weight of the organism	-0.0097	0.01%
Sockeye Salmon (juv.)	Crayfish Large: Lipid fraction in biota	0.0089	0.01%
Mysids	Copepods: ED constant A	0.0084	0.01%
Yellow Perch Small	Copepods: Dietary absorption efficiency of non-lipid organic matter	0.0086	0.01%
Mysids	Sculpin: Non-lipid organic matter fraction in biota	-0.0084	0.01%
Crayfish Large	Yellow perch large: ED constant A	-0.0089	0.01%
Threespine Stickleback	Sockeye juvenile: Wet weight of the organism	0.0085	0.01%
Yellow Perch Small	Crayfish small: Dietary absorption efficiency of water	-0.0086	0.01%
Prickly Sculpin Small	Crayfish Large: Dietary absorption efficiency of non-lipid organic matter	0.0088	0.01%
Prickly Sculpin Large	Crayfish Large: Wet weight of the organism	-0.0087	0.01%
Benthic Invertebrates	Crayfish small: Dietary absorption efficiency of non-lipid organic matter	0.0087	0.01%
Phytoplankton	Benthic invertebrates: Dietary absorption efficiency of non-lipid organic matter	0.0084	0.01%
Crayfish Small	Smallmouth bass: Water fraction in biota	-0.0088	0.01%
Phytoplankton	General Bio: Non-lipid organic matter – octanol proportionality constant	-0.0084	0.01%
Crayfish Large	Longfin smelt: ED constant B	-0.0088	0.01%
Phytoplankton	Stickleback: Wet weight of the organism	0.0083	0.01%
Longfin Smelt	Amphipods/Isopods: Wet weight of the organism	0.0085	0.01%
Mysids	Mollusks: ED constant B	-0.0083	0.01%
Benthic Invertebrates	Sockeye juvenile: ED constant A	-0.0086	0.01%
Northern Pikeminnow	Mysids: Wet weight of the organism	-0.0085	0.01%
Copepods	Cutthroat trout: ED constant A	-0.0100	0.01%
Prickly Sculpin Small	Yellow perch small:Water fraction in biota	-0.0087	0.01%
Cutthroat Trout	Chem properties: Molecular weight	-0.0084	0.01%
Longfin Smelt	Abiotic parms: Organic carbon content of sediment	-0.0084	0.01%
Prickly Sculpin Small	Sockeye juvenile: Wet weight of the organism	-0.0087	0.01%
Mollusks	Prickly sculpin small: Dietary absorption efficiency of non-lipid organic matter	0.0090	0.01%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Phytoplankton	Daphnia: Water fraction in biota	0.0083	0.01%
Amphipods/Isopods	Cutthroat trout: Dietary absorption efficiency of water	0.0097	0.01%
Cutthroat Trout	General Bio: Density of lipids	0.0083	0.01%
Crayfish Small	Northern pikeminnow: Non-lipid organic matter fraction in biota	0.0086	0.01%
Daphnia	Prickly sculpin small: Dietary absorption efficiency of non-lipid organic matter	0.0093	0.01%
Phytoplankton	Benthic invertebrates: Water fraction in biota	-0.0082	0.01%
Sockeye Salmon (juv.)	Yellow perch small: Dietary absorption efficiency of non-lipid organic matter	0.0086	0.01%
Copepods	Cutthroat trout: Wet weight of the organism	-0.0099	0.01%
Crayfish Large	Stickleback: Dietary absorption efficiency of lipid	0.0086	0.01%
Amphipods/Isopods	Abiotic parms: Concentration of suspended solids	0.0097	0.01%
Phytoplankton	Stickleback: Dietary absorption efficiency of non-lipid organic matter	0.0082	0.01%
Mollusks	Peamouth chub: Water fraction in biota	0.0088	0.01%
Longfin Smelt	Cutthroat trout: ED constant A	-0.0082	0.01%
Benthic Invertebrates	Prickly sculpin small: Dietary absorption efficiency of non-lipid organic matter	-0.0084	0.01%
Mollusks	Northern pikeminnow: Dietary absorption efficiency of non-lipid organic matter	-0.0088	0.01%
Prickly Sculpin Large	Mysids: Lipid fraction in biota	-0.0084	0.01%
Crayfish Small	Daphnia: Dietary absorption efficiency of lipid	0.0084	0.01%
Prickly Sculpin Large	Crayfish small: ED constant A	0.0083	0.01%
Threespine Stickleback	Sockeye juvenile: Dietary absorption efficiency of water	0.0081	0.01%
Amphipods/Isopods	Copepods: Non-lipid organic matter fraction in biota	0.0095	0.01%
Yellow Perch Large	Longfin smelt: Water fraction in biota	-0.0084	0.01%
Amphipods/Isopods	Copepods: ED constant A	0.0095	0.01%
Threespine Stickleback	Mollusks: Non-lipid organic matter fraction in biota	0.0081	0.01%
Northern Pikeminnow	Cutthroat trout: ED constant A	0.0082	0.01%
Mollusks	Stickleback: Wet weight of the organism	0.0087	0.01%
Longfin Smelt	Yellow perch large: Dietary absorption efficiency of non-lipid organic matter	0.0081	0.01%
Prickly Sculpin Small	Chem properties: Molecular weight	0.0084	0.01%
Yellow Perch Small	Prickly sculpin small: Lipid fraction in biota	0.0082	0.01%
Threespine Stickleback	Mollusks: Water fraction in biota	-0.0080	0.01%
Cutthroat Trout	Smallmouth bass: Non-lipid organic matter fraction in biota	-0.0081	0.01%
Threespine Stickleback	Sockeye juvenile: Non-lipid organic matter fraction in biota	0.0080	0.01%
Amphipods/Isopods	Prickly sculpin small: Dietary absorption efficiency of non-lipid organic matter	-0.0094	0.01%
Yellow Perch Large	Sockeye juvenile: Fraction of respiration that involves sediment pore water	-0.0082	0.01%
Amphipods/Isopods	Benthic invertebrates: Dietary absorption efficiency of water	0.0094	0.01%
Mysids	General Bio: Non-lipid organic matter – octanol proportionality constant	-0.0079	0.01%
Cutthroat Trout	Crayfish small: ED constant A	0.0080	0.01%
Peamouth	Amphipods/Isopods: Dietary absorption efficiency of water	-0.0076	0.01%
Mysids	Mysids: Dietary absorption efficiency of non-lipid organic matter	0.0078	0.01%
Daphnia	Copepods: Lipid fraction in biota	0.0089	0.01%
Crayfish Small	General Bio: Metabolic transformation rate	0.0082	0.01%
Peamouth	Benthic invertebrates: Non-lipid organic matter fraction in biota	0.0076	0.01%
Daphnia	Crayfish small: ED constant B	-0.0089	0.01%
Cutthroat Trout	Smallmouth bass: Dietary absorption efficiency of lipid	0.0079	0.01%
Northern Pikeminnow	Yellow perch large: Fraction of respiration that involves sediment pore water	0.0080	0.01%
Crayfish Small	Phytoplankton: Organic phase resistance constant	-0.0082	0.01%
Benthic Invertebrates	Mysids: ED constant B	0.0080	0.01%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Northern Pikeminnow	Mysids: Dietary absorption efficiency of lipid	-0.0079	0.01%
Amphipods/Isopods	Smallmouth bass: ED constant A	0.0092	0.01%
Cutthroat Trout	Mollusks: Dietary absorption efficiency of water	0.0079	0.01%
Prickly Sculpin Large	Copepods: ED constant B	-0.0080	0.01%
Yellow Perch Large	Copepods: Non-lipid organic matter fraction in biota	-0.0080	0.01%
Copepods	Crayfish Large: Lipid fraction in biota	-0.0093	0.01%
Copepods	Chem properties: Molecular weight	-0.0093	0.01%
Cutthroat Trout	Abiotic parms: Concentration of DOC in water	-0.0078	0.01%
Daphnia	Stickleback: Dietary absorption efficiency of non-lipid organic matter	0.0087	0.01%
Sockeye Salmon (juv.)	Amphipods/Isopods: ED constant B	-0.0080	0.01%
Longfin Smelt	Prickly sculpin small: Wet weight of the organism	-0.0077	0.01%
Cutthroat Trout	Phytoplankton: Lipid fraction in plant	0.0077	0.01%
Northern Pikeminnow	Cutthroat trout: Dietary absorption efficiency of lipid	0.0077	0.00%
Smallmouth Bass	Daphnia: Wet weight of the organism	0.0077	0.00%
Daphnia	Crayfish Large: Dietary absorption efficiency of non-lipid organic matter	0.0086	0.00%
Phytoplankton	Crayfish small: Dietary absorption efficiency of non-lipid organic matter	-0.0076	0.00%
Longfin Smelt	Copepods: Dietary absorption efficiency of lipid	-0.0077	0.00%
Threespine Stickleback	Sockeye juvenile: Dietary absorption efficiency of non-lipid organic matter	-0.0076	0.00%
Yellow Perch Small	Longfin smelt: Lipid fraction in biota	-0.0077	0.00%
Phytoplankton	Peamouth chub: ED constant A	0.0076	0.00%
Sockeye Salmon (juv.)	Peamouth chub: Wet weight of the organism	0.0079	0.00%
Prickly Sculpin Large	Smallmouth bass: Water fraction in biota	0.0078	0.00%
Amphipods/Isopods	Copepods: ED constant B	0.0089	0.00%
Prickly Sculpin Small	Daphnia: Dietary absorption efficiency of lipid	0.0079	0.00%
Peamouth	Smallmouth bass: ED constant B	-0.0073	0.00%
Threespine Stickleback	Smallmouth bass: Lipid fraction in biota	0.0076	0.00%
Crayfish Large	Peamouth chub: ED constant A	-0.0079	0.00%
Crayfish Large	Cutthroat trout: ED constant A	-0.0079	0.00%
Longfin Smelt	Daphnia: ED constant A	-0.0076	0.00%
Crayfish Large	Stickleback: ED constant B	-0.0079	0.00%
Copepods	Peamouth chub: Water fraction in biota	-0.0090	0.00%
Prickly Sculpin Large	General Bio: Particle scavenging efficiency	-0.0077	0.00%
Copepods	Daphnia: Dietary absorption efficiency of water	-0.0089	0.00%
Prickly Sculpin Small	Daphnia: Dietary absorption efficiency of water	0.0078	0.00%
Threespine Stickleback	Sculpin: Dietary absorption efficiency of water	-0.0074	0.00%
Prickly Sculpin Small	Yellow perch large: Dietary absorption efficiency of lipid	0.0077	0.00%
Benthic Invertebrates	Longfin smelt: ED constant B	-0.0076	0.00%
Cutthroat Trout	General Bio: Metabolic transformation rate	0.0074	0.00%
Copepods	Peamouth chub: Non-lipid organic matter fraction in biota	0.0088	0.00%
Benthic Invertebrates	Yellow perch large: Wet weight of the organism	0.0075	0.00%
Crayfish Large	Northern pikeminnow: ED constant A	0.0077	0.00%
Mysids	Stickleback: Lipid fraction in biota	0.0072	0.00%
Peamouth	Yellow perch small:Wet weight of the organism	0.0070	0.00%
Copepods	Mollusks: Water fraction in biota	-0.0087	0.00%
Crayfish Small	Smallmouth bass: ED constant B	0.0076	0.00%
Threespine Stickleback	Mysids: Lipid fraction in biota	0.0073	0.00%
Amphipods/Isopods	Benthic invertebrates: Fraction of respiration that involves sediment pore water	-0.0085	0.00%
Amphipods/Isopods	Yellow perch large: Wet weight of the organism	0.0085	0.00%
Yellow Perch Large	Copepods: Water fraction in biota	0.0075	0.00%
Longfin Smelt	Yellow perch large: Water fraction in biota	0.0073	0.00%
Mysids	Prickly sculpin small: Lipid fraction in biota	0.0071	0.00%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Longfin Smelt	Yellow perch small: Fraction of respiration that involves sediment pore water	-0.0073	0.00%
Threespine Stickleback	Longfin smelt: Dietary absorption efficiency of non-lipid organic matter	-0.0072	0.00%
Benthic Invertebrates	Copepods: ED constant B	-0.0074	0.00%
Cutthroat Trout	Stickleback: Wet weight of the organism	0.0072	0.00%
Longfin Smelt	Sockeye juvenile: Non-lipid organic matter fraction in biota	-0.0072	0.00%
Prickly Sculpin Small	Crayfish Large: Dietary absorption efficiency of water	-0.0075	0.00%
Daphnia	Crayfish small: Dietary absorption efficiency of water	0.0081	0.00%
Yellow Perch Small	Stickleback: ED constant B	-0.0073	0.00%
Crayfish Large	Prickly sculpin small: Fraction of respiration that involves sediment pore water	0.0075	0.00%
Phytoplankton	Sculpin: ED constant B	0.0071	0.00%
Mollusks	Longfin smelt: Dietary absorption efficiency of lipid	-0.0077	0.00%
Benthic Invertebrates	Stickleback: Water fraction in biota	0.0073	0.00%
Cutthroat Trout	Longfin smelt: Non-lipid organic matter fraction in biota	-0.0071	0.00%
Phytoplankton	Prickly sculpin small: Lipid fraction in biota	-0.0070	0.00%
Prickly Sculpin Large	Prickly sculpin small: Fraction of respiration that involves sediment pore water	-0.0072	0.00%
Amphipods/Isopods	Copepods: Water fraction in biota	-0.0083	0.00%
Crayfish Large	General Bio: Metabolic transformation rate	-0.0074	0.00%
Sockeye Salmon (juv.)	Amphipods/Isopods: Lipid fraction in biota	0.0073	0.00%
Mysids	Benthic invertebrates: ED constant B	0.0069	0.00%
Crayfish Small	Amphipods/Isopods: Fraction of respiration that involves sediment pore water	-0.0073	0.00%
Mysids	Crayfish Large: Lipid fraction in biota	-0.0069	0.00%
Phytoplankton	Crayfish small: Dietary absorption efficiency of lipid	0.0070	0.00%
Smallmouth Bass	Northern pikeminnow: Water fraction in biota	-0.0071	0.00%
Crayfish Small	Copepods: Water fraction in biota	-0.0073	0.00%
Benthic Invertebrates	Yellow perch large: Non-lipid organic matter fraction in biota	0.0071	0.00%
Mollusks	Sculpin: ED constant A	0.0075	0.00%
Prickly Sculpin Large	Crayfish small: Dietary absorption efficiency of water	0.0072	0.00%
Mysids	Longfin smelt: Dietary absorption efficiency of lipid	0.0068	0.00%
Sockeye Salmon (juv.)	Stickleback: Wet weight of the organism	0.0072	0.00%
Prickly Sculpin Small	Prickly sculpin small: Wet weight of the organism	0.0072	0.00%
Daphnia	Yellow perch large: Dietary absorption efficiency of lipid	0.0078	0.00%
Daphnia	Stickleback: ED constant A	-0.0078	0.00%
Crayfish Small	Cutthroat trout: ED constant A	-0.0072	0.00%
Crayfish Large	Amphipods/Isopods: Lipid fraction in biota	0.0072	0.00%
Copepods	Prickly sculpin small: ED constant A	0.0082	0.00%
Sockeye Salmon (juv.)	Stickleback: Dietary absorption efficiency of water	-0.0071	0.00%
Threespine Stickleback	Sockeye juvenile: Water fraction in biota	-0.0068	0.00%
Yellow Perch Large	Northern pikeminnow: Dietary absorption efficiency of non-lipid organic matter	-0.0070	0.00%
Prickly Sculpin Large	Mysids: Dietary absorption efficiency of water	-0.0070	0.00%
Mollusks	Cutthroat trout: Lipid fraction in biota	0.0073	0.00%
Threespine Stickleback	Chem properties: Molecular weight	0.0068	0.00%
Smallmouth Bass	Mollusks: ED constant B	0.0068	0.00%
Cutthroat Trout	Mollusks: Water fraction in biota	-0.0068	0.00%
Threespine Stickleback	Peamouth chub: Dietary absorption efficiency of lipid	-0.0067	0.00%
Mysids	Abiotic parms: Density of OC in sediment	-0.0066	0.00%
Northern Pikeminnow	Mysids: Dietary absorption efficiency of non-lipid organic matter	-0.0067	0.00%
Sockeye Salmon (juv.)	Peamouth chub: ED constant A	0.0069	0.00%
Crayfish Small	Benthic invertebrates: Dietary absorption efficiency of water	0.0069	0.00%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Benthic Invertebrates	Crayfish Large: Wet weight of the organism	0.0068	0.00%
Prickly Sculpin Small	Copepods: Dietary absorption efficiency of non-lipid organic matter	-0.0069	0.00%
Longfin Smelt	Amphipods/Isopods: Lipid fraction in biota	0.0067	0.00%
Mollusks	Peamouth chub: ED constant B	-0.0071	0.00%
Smallmouth Bass	Yellow perch large: Fraction of respiration that involves sediment pore water	-0.0067	0.00%
Longfin Smelt	Crayfish small: Water fraction in biota	0.0067	0.00%
Longfin Smelt	Phytoplankton: Aqueous phase resistance constant	-0.0066	0.00%
Daphnia	Yellow perch small: Dietary absorption efficiency of lipid	0.0074	0.00%
Benthic Invertebrates	Peamouth chub: Water fraction in biota	-0.0068	0.00%
Smallmouth Bass	Northern pikeminnow: Non-lipid organic matter fraction in biota	0.0067	0.00%
Northern Pikeminnow	Phytoplankton: Aqueous phase resistance constant	-0.0066	0.00%
Crayfish Small	Smallmouth bass: Non-lipid organic matter fraction in biota	0.0068	0.00%
Northern Pikeminnow	Smallmouth bass: Lipid fraction in biota	-0.0066	0.00%
Sockeye Salmon (juv.)	Mollusks: ED constant A	0.0068	0.00%
Crayfish Large	Longfin smelt: Dietary absorption efficiency of non-lipid organic matter	-0.0068	0.00%
Phytoplankton	Amphipods/Isopods: Fraction of respiration that involves sediment pore water	0.0065	0.00%
Mysids	Sculpin: Wet weight of the organism	-0.0064	0.00%
Cutthroat Trout	Amphipods/Isopods: Wet weight of the organism	-0.0065	0.00%
Prickly Sculpin Small	Crayfish Large: Dietary absorption efficiency of lipid	0.0067	0.00%
Prickly Sculpin Large	Peamouth chub: Non-lipid organic matter fraction in biota	0.0066	0.00%
Mollusks	Cutthroat trout: Dietary absorption efficiency of lipid	-0.0069	0.00%
Benthic Invertebrates	Crayfish small: Fraction of respiration that involves sediment pore water	-0.0065	0.00%
Amphipods/Isopods	Stickleback: Non-lipid organic matter fraction in biota	-0.0075	0.00%
Copepods	Northern pikeminnow: Wet weight of the organism	-0.0076	0.00%
Crayfish Small	Sculpin: Lipid fraction in biota	0.0066	0.00%
Crayfish Small	Northern pikeminnow: Water fraction in biota	-0.0066	0.00%
Yellow Perch Large	Smallmouth bass: ED constant B	-0.0066	0.00%
Mysids	Mollusks: Dietary absorption efficiency of non-lipid organic matter	-0.0063	0.00%
Longfin Smelt	Crayfish small: Non-lipid organic matter fraction in biota	-0.0064	0.00%
Copepods	Northern pikeminnow: Water fraction in biota	-0.0076	0.00%
Smallmouth Bass	Prickly sculpin small: Wet weight of the organism	0.0064	0.00%
Amphipods/Isopods	General Bio: Density of lipids	-0.0074	0.00%
Yellow Perch Large	Daphnia: ED constant A	-0.0065	0.00%
Cutthroat Trout	Sculpin: Wet weight of the organism	0.0063	0.00%
Benthic Invertebrates	Crayfish Large: Dietary absorption efficiency of lipid	0.0064	0.00%
Prickly Sculpin Small	Sockeye juvenile: Fraction of respiration that involves sediment pore water	-0.0066	0.00%
Benthic Invertebrates	Yellow perch large: Water fraction in biota	-0.0064	0.00%
Prickly Sculpin Large	Sockeye juvenile: Wet weight of the organism	0.0064	0.00%
Benthic Invertebrates	Mollusks: ED constant A	-0.0064	0.00%
Daphnia	Copepods: ED constant A	0.0070	0.00%
Smallmouth Bass	Daphnia: ED constant A	-0.0063	0.00%
Daphnia	Mysids: ED constant B	-0.0070	0.00%
Smallmouth Bass	Sculpin: Dietary absorption efficiency of water	-0.0063	0.00%
Threespine Stickleback	Peamouth chub: Water fraction in biota	-0.0062	0.00%
Benthic Invertebrates	Peamouth chub: ED constant A	-0.0063	0.00%
Copepods	Smallmouth bass: Dietary absorption efficiency of lipid	-0.0074	0.00%
Northern Pikeminnow	Amphipods/Isopods: ED constant B	0.0063	0.00%
Northern Pikeminnow	Smallmouth bass: Dietary absorption efficiency of lipid	-0.0063	0.00%
Sockeye Salmon (juv.)	Sculpin: Dietary absorption efficiency of non-lipid organic matter	-0.0064	0.00%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Threespine Stickleback	Mysids: Dietary absorption efficiency of lipid	0.0062	0.00%
Northern Pike minnow	Daphnia: ED constant A	-0.0062	0.00%
Yellow Perch Large	Amphipods/Isopods: Fraction of respiration that involves sediment pore water	-0.0064	0.00%
Daphnia	Peamouth chub: Dietary absorption efficiency of water	0.0069	0.00%
Prickly Sculpin Large	Yellow perch large: ED constant A	0.0063	0.00%
Yellow Perch Large	Prickly sculpin small: Dietary absorption efficiency of water	0.0063	0.00%
Cutthroat Trout	Sockeye juvenile: Fraction of respiration that involves sediment pore water	-0.0062	0.00%
Prickly Sculpin Large	Northern pike minnow: Wet weight of the organism	0.0063	0.00%
Phytoplankton	Benthic invertebrates: Non-lipid organic matter fraction in biota	0.0061	0.00%
Smallmouth Bass	Cutthroat trout: Dietary absorption efficiency of non-lipid organic matter	0.0062	0.00%
Smallmouth Bass	Sculpin: Water fraction in biota	-0.0062	0.00%
Longfin Smelt	Stickleback: ED constant A	0.0061	0.00%
Northern Pike minnow	Sculpin: ED constant B	-0.0061	0.00%
Mysids	Mysids: Dietary absorption efficiency of water	-0.0060	0.00%
Copepods	Mysids: Water fraction in biota	0.0072	0.00%
Sockeye Salmon (juv.)	Yellow perch large: Wet weight of the organism	0.0062	0.00%
Crayfish Small	Cutthroat trout: Lipid fraction in biota	0.0062	0.00%
Phytoplankton	Copepods: Lipid fraction in biota	0.0059	0.00%
Mollusks	Mysids: Dietary absorption efficiency of lipid	0.0064	0.00%
Longfin Smelt	Yellow perch large: Non-lipid organic matter fraction in biota	-0.0060	0.00%
Northern Pike minnow	Benthic invertebrates: Dietary absorption efficiency of non-lipid organic matter	-0.0060	0.00%
Crayfish Small	Copepods: Non-lipid organic matter fraction in biota	0.0062	0.00%
Sockeye Salmon (juv.)	Crayfish Large: Water fraction in biota	-0.0062	0.00%
Phytoplankton	Northern pike minnow: Wet weight of the organism	-0.0059	0.00%
Prickly Sculpin Large	Yellow perch small: Dietary absorption efficiency of non-lipid organic matter	-0.0061	0.00%
Peamouth	Amphipods/Isopods: Dietary absorption efficiency of non-lipid organic matter	0.0057	0.00%
Cutthroat Trout	Cutthroat trout: Wet weight of the organism	-0.0059	0.00%
Prickly Sculpin Small	Copepods: ED constant B	-0.0062	0.00%
Yellow Perch Large	Yellow perch large: Fraction of respiration that involves sediment pore water	0.0061	0.00%
Longfin Smelt	Smallmouth bass: Dietary absorption efficiency of non-lipid organic matter	-0.0059	0.00%
Daphnia	Benthic invertebrates: ED constant A	-0.0066	0.00%
Benthic Invertebrates	Smallmouth bass: ED constant B	-0.0060	0.00%
Mysids	Crayfish small: ED constant A	-0.0058	0.00%
Peamouth	Yellow perch small: ED constant B	0.0056	0.00%
Daphnia	Prickly sculpin small: Dietary absorption efficiency of lipid	-0.0066	0.00%
Yellow Perch Small	Crayfish Large: Dietary absorption efficiency of water	0.0059	0.00%
Prickly Sculpin Small	Stickleback: Non-lipid organic matter fraction in biota	0.0061	0.00%
Yellow Perch Large	Crayfish Large: Wet weight of the organism	-0.0060	0.00%
Copepods	Peamouth chub: Dietary absorption efficiency of water	-0.0069	0.00%
Daphnia	Copepods: Dietary absorption efficiency of lipid	0.0065	0.00%
Amphipods/Isopods	Stickleback: Dietary absorption efficiency of water	-0.0068	0.00%
Sockeye Salmon (juv.)	Amphipods/Isopods: Fraction of respiration that involves sediment pore water	0.0060	0.00%
Mysids	Stickleback: ED constant B	-0.0056	0.00%
Prickly Sculpin Large	Smallmouth bass: ED constant B	0.0059	0.00%
Crayfish Small	Cutthroat trout: Dietary absorption efficiency of water	0.0059	0.00%
Yellow Perch Large	Sculpin: Wet weight of the organism	0.0058	0.00%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Crayfish Small	Benthic invertebrates: Wet weight of the organism	-0.0059	0.00%
Mollusks	Copepods: Dietary absorption efficiency of water	0.0061	0.00%
Amphipods/Isopods	Daphnia: Dietary absorption efficiency of non-lipid organic matter	-0.0066	0.00%
Amphipods/Isopods	Benthic invertebrates: Lipid fraction in biota	0.0066	0.00%
Cutthroat Trout	Prickly sculpin small: Lipid fraction in biota	0.0056	0.00%
Copepods	Cutthroat trout: Lipid fraction in biota	-0.0067	0.00%
Longfin Smelt	Crayfish Large: ED constant A	-0.0056	0.00%
Yellow Perch Large	Smallmouth bass: Lipid fraction in biota	0.0058	0.00%
Smallmouth Bass	Cutthroat trout: Water fraction in biota	0.0056	0.00%
Crayfish Small	Smallmouth bass: ED constant A	0.0058	0.00%
Yellow Perch Small	Sculpin: Dietary absorption efficiency of water	-0.0057	0.00%
Longfin Smelt	Sockeye juvenile: Dietary absorption efficiency of non-lipid organic matter	0.0056	0.00%
Smallmouth Bass	Phytoplankton: Aqueous phase resistance constant	0.0056	0.00%
Smallmouth Bass	Copepods: Dietary absorption efficiency of water	0.0056	0.00%
Longfin Smelt	Prickly sculpin small: Fraction of respiration that involves sediment pore water	0.0056	0.00%
Prickly Sculpin Large	Prickly sculpin small: Dietary absorption efficiency of water	-0.0057	0.00%
Cutthroat Trout	Yellow perch small:ED constant A	-0.0055	0.00%
Smallmouth Bass	Prickly sculpin small: ED constant A	0.0056	0.00%
Sockeye Salmon (juv.)	Crayfish Large: Non-lipid organic matter fraction in biota	0.0057	0.00%
Prickly Sculpin Large	Mollusks: Dietary absorption efficiency of non-lipid organic matter	0.0056	0.00%
Yellow Perch Large	Copepods: Wet weight of the organism	-0.0056	0.00%
Amphipods/Isopods	Northern pikeminnow: Dietary absorption efficiency of lipid	0.0064	0.00%
Sockeye Salmon (juv.)	Abiotic parms: Concentration of suspended solids	0.0057	0.00%
Prickly Sculpin Large	Abiotic parms: Density of OC in sediment	-0.0056	0.00%
Prickly Sculpin Large	General Bio: Density of lipids	-0.0055	0.00%
Mollusks	Abiotic parms: Disequilibrium factor for POC partitioning in water column	-0.0058	0.00%
Cutthroat Trout	Smallmouth bass: Dietary absorption efficiency of water	-0.0054	0.00%
Sockeye Salmon (juv.)	Prickly sculpin small: Wet weight of the organism	-0.0056	0.00%
Smallmouth Bass	General Bio: Density of lipids	-0.0054	0.00%
Benthic Invertebrates	Cutthroat trout: ED constant A	0.0055	0.00%
Prickly Sculpin Large	Benthic invertebrates: Water fraction in biota	-0.0055	0.00%
Crayfish Small	Crayfish Large: Wet weight of the organism	-0.0055	0.00%
Amphipods/Isopods	Stickleback: ED constant B	-0.0062	0.00%
Phytoplankton	Benthic invertebrates: ED constant B	-0.0053	0.00%
Benthic Invertebrates	Sculpin: Lipid fraction in biota	-0.0054	0.00%
Sockeye Salmon (juv.)	Daphnia: Dietary absorption efficiency of non-lipid organic matter	-0.0055	0.00%
Benthic Invertebrates	Sculpin: Wet weight of the organism	-0.0054	0.00%
Sockeye Salmon (juv.)	Crayfish Large: ED constant A	-0.0055	0.00%
Threespine Stickleback	Crayfish Large: Dietary absorption efficiency of lipid	-0.0053	0.00%
Cutthroat Trout	Longfin smelt: Lipid fraction in biota	0.0053	0.00%
Peamouth	Copepods: Dietary absorption efficiency of lipid	0.0051	0.00%
Yellow Perch Large	Sockeye juvenile: Dietary absorption efficiency of non-lipid organic matter	-0.0054	0.00%
Cutthroat Trout	Smallmouth bass: Water fraction in biota	0.0052	0.00%
Yellow Perch Large	Sculpin: ED constant A	-0.0054	0.00%
Phytoplankton	Peamouth chub: Lipid fraction in biota	0.0052	0.00%
Threespine Stickleback	Copepods: Wet weight of the organism	-0.0052	0.00%
Benthic Invertebrates	Phytoplankton: Non-lipid organic carbon fraction in plant	0.0053	0.00%
Crayfish Small	Cutthroat trout: Dietary absorption efficiency of lipid	-0.0054	0.00%
Yellow Perch Small	Mysids: Dietary absorption efficiency of lipid	-0.0052	0.00%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Longfin Smelt	Northern pikeminnow: Dietary absorption efficiency of non-lipid organic matter	0.0052	0.00%
Mysids	Daphnia: Dietary absorption efficiency of lipid	0.0051	0.00%
Benthic Invertebrates	Daphnia: Lipid fraction in biota	-0.0053	0.00%
Peamouth	Sockeye juvenile: Dietary absorption efficiency of water	-0.0049	0.00%
Sockeye Salmon (juv.)	Cutthroat trout: Dietary absorption efficiency of non-lipid organic matter	0.0053	0.00%
Phytoplankton	Yellow perch large: Wet weight of the organism	-0.0051	0.00%
Yellow Perch Small	Cutthroat trout: Dietary absorption efficiency of non-lipid organic matter	-0.0051	0.00%
Peamouth	Smallmouth bass: Dietary absorption efficiency of water	0.0048	0.00%
Yellow Perch Small	Cutthroat trout: Lipid fraction in biota	0.0051	0.00%
Peamouth	Stickleback: Non-lipid organic matter fraction in biota	-0.0048	0.00%
Mysids	Longfin smelt: Dietary absorption efficiency of water	0.0049	0.00%
Sockeye Salmon (juv.)	Phytoplankton: Organic phase resistance constant	0.0052	0.00%
Peamouth	Copepods: Lipid fraction in biota	-0.0047	0.00%
Crayfish Small	Stickleback: Dietary absorption efficiency of water	-0.0051	0.00%
Yellow Perch Small	Yellow perch large: Fraction of respiration that involves sediment pore water	-0.0050	0.00%
Northern Pikeminnow	Crayfish Large: Dietary absorption efficiency of non-lipid organic matter	0.0050	0.00%
Phytoplankton	Cutthroat trout: Dietary absorption efficiency of non-lipid organic matter	0.0049	0.00%
Daphnia	Northern pikeminnow: Lipid fraction in biota	0.0055	0.00%
Phytoplankton	General Bio: Ew constant A	-0.0049	0.00%
Cutthroat Trout	Mollusks: Non-lipid organic matter fraction in biota	0.0049	0.00%
Peamouth	Smallmouth bass: Dietary absorption efficiency of lipid	0.0047	0.00%
Copepods	Longfin smelt: Dietary absorption efficiency of water	-0.0058	0.00%
Crayfish Large	Northern pikeminnow: Dietary absorption efficiency of water	0.0051	0.00%
Smallmouth Bass	Mysids: Dietary absorption efficiency of water	0.0049	0.00%
Prickly Sculpin Large	Crayfish small: Non-lipid organic matter fraction in biota	-0.0050	0.00%
Prickly Sculpin Small	Abiotic parms: Proportionality constant for phase partitioning of POC	0.0050	0.00%
Crayfish Small	Sculpin: Wet weight of the organism	-0.0050	0.00%
Prickly Sculpin Large	Cutthroat trout: Water fraction in biota	0.0050	0.00%
Peamouth	Yellow perch large: Lipid fraction in biota	0.0046	0.00%
Prickly Sculpin Large	Phytoplankton: Growth rate constant	-0.0050	0.00%
Cutthroat Trout	Longfin smelt: Water fraction in biota	0.0048	0.00%
Amphipods/Isopods	Mysids: Dietary absorption efficiency of lipid	0.0056	0.00%
Mysids	Copepods: Lipid fraction in biota	-0.0047	0.00%
Smallmouth Bass	Cutthroat trout: ED constant B	-0.0049	0.00%
Daphnia	Prickly sculpin small: Dietary absorption efficiency of water	-0.0054	0.00%
Crayfish Small	Cutthroat trout: ED constant B	0.0050	0.00%
Sockeye Salmon (juv.)	Abiotic parms: Density of OC in sediment	0.0050	0.00%
Smallmouth Bass	Sculpin: Non-lipid organic matter fraction in biota	0.0048	0.00%
Prickly Sculpin Large	Cutthroat trout: Dietary absorption efficiency of water	-0.0049	0.00%
Longfin Smelt	Daphnia: Wet weight of the organism	-0.0048	0.00%
Smallmouth Bass	Chem properties: Molecular weight	0.0048	0.00%
Copepods	Mysids: Non-lipid organic matter fraction in biota	-0.0057	0.00%
Prickly Sculpin Large	Cutthroat trout: Non-lipid organic matter fraction in biota	-0.0049	0.00%
Prickly Sculpin Small	Yellow perch small: Fraction of respiration that involves sediment pore water	0.0049	0.00%
Prickly Sculpin Large	Yellow perch small: Dietary absorption efficiency of water	-0.0048	0.00%
Daphnia	Crayfish small: Dietary absorption efficiency of non-lipid organic matter	0.0053	0.00%
Crayfish Small	Cutthroat trout: Wet weight of the organism	0.0048	0.00%
Peamouth	Yellow perch small: Dietary absorption efficiency of water	0.0045	0.00%
Amphipods/Isopods	Yellow perch small: Dietary absorption efficiency of water	0.0054	0.00%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Smallmouth Bass	Crayfish small: Fraction of respiration that involves sediment pore water	0.0047	0.00%
Amphipods/Isopods	Crayfish Large: Water fraction in biota	0.0054	0.00%
Mysids	Mollusks: Fraction of respiration that involves sediment pore water	-0.0046	0.00%
Crayfish Large	Stickleback: ED constant A	-0.0048	0.00%
Phytoplankton	Phytoplankton: Lipid fraction in plant	-0.0046	0.00%
Northern Pike minnow	Peamouth chub: ED constant A	0.0046	0.00%
Threespine Stickleback	Peamouth chub: ED constant A	0.0046	0.00%
Phytoplankton	Smallmouth bass: ED constant A	-0.0046	0.00%
Threespine Stickleback	Smallmouth bass: Dietary absorption efficiency of water	0.0046	0.00%
Amphipods/Isopods	Mollusks: ED constant A	-0.0054	0.00%
Cutthroat Trout	Prickly sculpin small: Fraction of respiration that involves sediment pore water	0.0046	0.00%
Yellow Perch Small	Phytoplankton: Lipid fraction in plant	-0.0046	0.00%
Yellow Perch Large	Phytoplankton: Aqueous phase resistance constant	0.0047	0.00%
Yellow Perch Small	Mollusks: Dietary absorption efficiency of non-lipid organic matter	0.0046	0.00%
Copepods	Benthic invertebrates: Dietary absorption efficiency of water	0.0054	0.00%
Mysids	Northern pike minnow: Non-lipid organic matter fraction in biota	-0.0045	0.00%
Copepods	Mollusks: Dietary absorption efficiency of water	-0.0054	0.00%
Yellow Perch Small	Yellow perch large: Dietary absorption efficiency of non-lipid organic matter	0.0046	0.00%
Amphipods/Isopods	Crayfish Large: Non-lipid organic matter fraction in biota	-0.0053	0.00%
Copepods	Prickly sculpin small: Dietary absorption efficiency of non-lipid organic matter	-0.0053	0.00%
Phytoplankton	Longfin smelt: Lipid fraction in biota	0.0044	0.00%
Mollusks	Peamouth chub: Non-lipid organic matter fraction in biota	-0.0048	0.00%
Prickly Sculpin Large	Daphnia: Dietary absorption efficiency of lipid	-0.0045	0.00%
Smallmouth Bass	Smallmouth bass: Wet weight of the organism	-0.0045	0.00%
Mollusks	Yellow perch large: Fraction of respiration that involves sediment pore water	-0.0047	0.00%
Cutthroat Trout	Stickleback: ED constant B	-0.0044	0.00%
Yellow Perch Small	Peamouth chub: Dietary absorption efficiency of non-lipid organic matter	-0.0045	0.00%
Yellow Perch Large	Northern pike minnow: Dietary absorption efficiency of water	0.0045	0.00%
Mysids	Prickly sculpin small: Fraction of respiration that involves sediment pore water	0.0043	0.00%
Amphipods/Isopods	Sockeye juvenile: Lipid fraction in biota	0.0052	0.00%
Peamouth	General Bio: Metabolic transformation rate	-0.0042	0.00%
Northern Pike minnow	Yellow perch small: Fraction of respiration that involves sediment pore water	0.0044	0.00%
Mollusks	Peamouth chub: ED constant A	0.0047	0.00%
Benthic Invertebrates	Sockeye juvenile: Wet weight of the organism	0.0045	0.00%
Sockeye Salmon (juv.)	Longfin smelt: Dietary absorption efficiency of lipid	-0.0045	0.00%
Prickly Sculpin Large	Crayfish small: Water fraction in biota	0.0045	0.00%
Mollusks	Copepods: ED constant B	0.0046	0.00%
Cutthroat Trout	Yellow perch small: Non-lipid organic matter fraction in biota	0.0043	0.00%
Threespine Stickleback	Mollusks: Lipid fraction in biota	0.0043	0.00%
Cutthroat Trout	Sculpin: Non-lipid organic matter fraction in biota	-0.0043	0.00%
Amphipods/Isopods	Crayfish Large: ED constant A	-0.0050	0.00%
Yellow Perch Large	Copepods: ED constant B	0.0044	0.00%
Peamouth	Yellow perch small: Lipid fraction in biota	0.0041	0.00%
Prickly Sculpin Small	Crayfish small: Fraction of respiration that involves sediment pore water	0.0044	0.00%
Sockeye Salmon (juv.)	Daphnia: Dietary absorption efficiency of lipid	-0.0044	0.00%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Cutthroat Trout	Crayfish Large: Lipid fraction in biota	-0.0042	0.00%
Amphipods/Isopods	Sockeye juvenile: ED constant A	-0.0050	0.00%
Yellow Perch Small	Mollusks: ED constant A	-0.0043	0.00%
Yellow Perch Large	Smallmouth bass: Dietary absorption efficiency of water	0.0043	0.00%
Threespine Stickleback	Prickly sculpin small: Dietary absorption efficiency of non-lipid organic matter	-0.0042	0.00%
Crayfish Large	Mollusks: Lipid fraction in biota	-0.0044	0.00%
Northern Pike minnow	Abiotic parms: Proportionality constant for phase partitioning of POC	-0.0042	0.00%
Peamouth	Yellow perch small: Water fraction in biota	-0.0040	0.00%
Prickly Sculpin Large	Phytoplankton: Non-lipid organic carbon fraction in plant	0.0043	0.00%
Smallmouth Bass	Cutthroat trout: Non-lipid organic matter fraction in biota	-0.0042	0.00%
Crayfish Large	Chem properties: LeBas molar volume	0.0043	0.00%
Cutthroat Trout	Yellow perch large: Fraction of respiration that involves sediment pore water	0.0041	0.00%
Yellow Perch Large	Crayfish Large: Dietary absorption efficiency of water	0.0042	0.00%
Northern Pike minnow	Crayfish Large: Wet weight of the organism	0.0041	0.00%
Prickly Sculpin Large	Yellow perch large: Dietary absorption efficiency of non-lipid organic matter	0.0042	0.00%
Yellow Perch Small	Northern pike minnow: Non-lipid organic matter fraction in biota	-0.0041	0.00%
Crayfish Large	Stickleback: Wet weight of the organism	0.0043	0.00%
Copepods	Phytoplankton: Lipid fraction in plant	-0.0048	0.00%
Mysids	Copepods: Dietary absorption efficiency of water	0.0040	0.00%
Mysids	Peamouth chub: Lipid fraction in biota	0.0040	0.00%
Daphnia	Smallmouth bass: Dietary absorption efficiency of non-lipid organic matter	0.0045	0.00%
Mollusks	Copepods: Dietary absorption efficiency of non-lipid organic matter	-0.0043	0.00%
Phytoplankton	Daphnia: Dietary absorption efficiency of lipid	-0.0040	0.00%
Yellow Perch Small	Prickly sculpin small: Non-lipid organic matter fraction in biota	0.0040	0.00%
Smallmouth Bass	Northern pike minnow: Dietary absorption efficiency of water	0.0040	0.00%
Amphipods/Isopods	Yellow perch small: Dietary absorption efficiency of lipid	-0.0046	0.00%
Benthic Invertebrates	Prickly sculpin small: ED constant A	-0.0040	0.00%
Copepods	Amphipods/Isopods: Dietary absorption efficiency of lipid	0.0047	0.00%
Mollusks	Yellow perch small: Dietary absorption efficiency of non-lipid organic matter	-0.0042	0.00%
Northern Pike minnow	Amphipods/Isopods: Dietary absorption efficiency of non-lipid organic matter	-0.0040	0.00%
Sockeye Salmon (juv.)	Longfin smelt: Lipid fraction in biota	0.0040	0.00%
Daphnia	Sockeye juvenile: Dietary absorption efficiency of water	-0.0044	0.00%
Benthic Invertebrates	Sculpin: Dietary absorption efficiency of non-lipid organic matter	0.0040	0.00%
Yellow Perch Small	Prickly sculpin small: Water fraction in biota	-0.0039	0.00%
Smallmouth Bass	General Bio: Non-lipid organic matter – octanol proportionality constant	-0.0039	0.00%
Yellow Perch Small	Prickly sculpin small: Dietary absorption efficiency of water	0.0039	0.00%
Amphipods/Isopods	Smallmouth bass: Lipid fraction in biota	-0.0045	0.00%
Smallmouth Bass	Copepods: Lipid fraction in biota	0.0039	0.00%
Northern Pike minnow	Daphnia: Dietary absorption efficiency of non-lipid organic matter	-0.0039	0.00%
Threespine Stickleback	Yellow perch small: Lipid fraction in biota	0.0038	0.00%
Crayfish Large	Stickleback: Water fraction in biota	0.0040	0.00%
Smallmouth Bass	Peamouth chub: Wet weight of the organism	-0.0038	0.00%
Mollusks	Crayfish Large: Dietary absorption efficiency of lipid	0.0041	0.00%
Prickly Sculpin Large	Crayfish Large: ED constant A	0.0039	0.00%
Sockeye Salmon (juv.)	Mollusks: ED constant B	-0.0039	0.00%
Prickly Sculpin Small	Mysids: ED constant B	0.0039	0.00%
Prickly Sculpin Small	Northern pike minnow: Dietary absorption efficiency of lipid	-0.0039	0.00%
Northern Pike minnow	Mollusks: Lipid fraction in biota	0.0038	0.00%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Mollusks	Peamouth chub: Dietary absorption efficiency of lipid	0.0040	0.00%
Crayfish Small	Copepods: ED constant A	-0.0039	0.00%
Threespine Stickleback	Mollusks: Fraction of respiration that involves sediment pore water	-0.0037	0.00%
Crayfish Small	Daphnia: Lipid fraction in biota	0.0038	0.00%
Benthic Invertebrates	Crayfish small: Non-lipid organic matter fraction in biota	0.0038	0.00%
Phytoplankton	Peamouth chub: Fraction of respiration that involves sediment pore water	-0.0037	0.00%
Cutthroat Trout	Northern pikeminnow: ED constant B	-0.0037	0.00%
Daphnia	General Bio: Metabolic transformation rate	0.0041	0.00%
Prickly Sculpin Small	Yellow perch large: Wet weight of the organism	-0.0038	0.00%
Longfin Smelt	Crayfish small: ED constant A	-0.0037	0.00%
Northern Pikeminnow	Daphnia: Lipid fraction in biota	0.0037	0.00%
Phytoplankton	Sockeye juvenile: Dietary absorption efficiency of non-lipid organic matter	-0.0036	0.00%
Crayfish Small	Prickly sculpin small: ED constant B	-0.0037	0.00%
Northern Pikeminnow	Northern pikeminnow: ED constant A	-0.0036	0.00%
Longfin Smelt	Crayfish Large: Fraction of respiration that involves sediment pore water	-0.0036	0.00%
Smallmouth Bass	Cutthroat trout: ED constant A	-0.0036	0.00%
Longfin Smelt	Prickly sculpin small: ED constant A	0.0036	0.00%
Yellow Perch Small	Benthic invertebrates: ED constant B	0.0036	0.00%
Phytoplankton	Abiotic parms: Mean annual water temperature	-0.0035	0.00%
Threespine Stickleback	Yellow perch large: Dietary absorption efficiency of non-lipid organic matter	-0.0035	0.00%
Prickly Sculpin Large	Yellow perch small:Water fraction in biota	0.0036	0.00%
Yellow Perch Large	Stickleback: Dietary absorption efficiency of water	-0.0036	0.00%
Mysids	Daphnia: Dietary absorption efficiency of non-lipid organic matter	0.0035	0.00%
Prickly Sculpin Small	Stickleback: Water fraction in biota	-0.0036	0.00%
Crayfish Small	Sculpin: Water fraction in biota	-0.0036	0.00%
Smallmouth Bass	Yellow perch small:Dietary absorption efficiency of water	0.0035	0.00%
Cutthroat Trout	Sculpin: Water fraction in biota	0.0035	0.00%
Sockeye Salmon (juv.)	Prickly sculpin small: ED constant B	-0.0036	0.00%
Longfin Smelt	Sculpin: Water fraction in biota	0.0035	0.00%
Mollusks	Abiotic parms: Concentration of suspended solids	0.0037	0.00%
Daphnia	Sockeye juvenile: Fraction of respiration that involves sediment pore water	0.0039	0.00%
Copepods	Sculpin: Dietary absorption efficiency of water	-0.0041	0.00%
Smallmouth Bass	Northern pikeminnow: Lipid fraction in biota	0.0035	0.00%
Threespine Stickleback	General Bio: Growth rate factor invert	0.0035	0.00%
Peamouth	Yellow perch small:Non-lipid organic matter fraction in biota	0.0033	0.00%
Longfin Smelt	Sculpin: Non-lipid organic matter fraction in biota	-0.0035	0.00%
Crayfish Small	Sculpin: Non-lipid organic matter fraction in biota	0.0036	0.00%
Prickly Sculpin Small	Cutthroat trout: Non-lipid organic matter fraction in biota	0.0035	0.00%
Phytoplankton	Sockeye juvenile: Fraction of respiration that involves sediment pore water	-0.0034	0.00%
Yellow Perch Small	Copepods: ED constant B	-0.0034	0.00%
Phytoplankton	Sculpin: Water fraction in biota	0.0033	0.00%
Threespine Stickleback	General Bio: Metabolic transformation rate	-0.0034	0.00%
Daphnia	Peamouth chub: Fraction of respiration that involves sediment pore water	0.0038	0.00%
Longfin Smelt	Copepods: Wet weight of the organism	-0.0034	0.00%
Benthic Invertebrates	Copepods: Dietary absorption efficiency of water	0.0034	0.00%
Peamouth	Yellow perch small:ED constant A	0.0032	0.00%
Benthic Invertebrates	Yellow perch large: Dietary absorption efficiency of water	0.0034	0.00%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Smallmouth Bass	Sculpin: Fraction of respiration that involves sediment pore water	-0.0033	0.00%
Peamouth	Prickly sculpin small: Dietary absorption efficiency of water	0.0032	0.00%
Peamouth	Yellow perch large: Dietary absorption efficiency of non-lipid organic matter	0.0031	0.00%
Longfin Smelt	Daphnia: Dietary absorption efficiency of water	0.0033	0.00%
Threespine Stickleback	Crayfish small: Water fraction in biota	0.0033	0.00%
Smallmouth Bass	Crayfish small: Lipid fraction in biota	0.0033	0.00%
Amphipods/Isopods	Longfin smelt: Dietary absorption efficiency of water	0.0038	0.00%
Prickly Sculpin Large	Crayfish small: Dietary absorption efficiency of non-lipid organic matter	0.0033	0.00%
Mollusks	Sockeye juvenile: Dietary absorption efficiency of non-lipid organic matter	0.0035	0.00%
Prickly Sculpin Large	Longfin smelt: Dietary absorption efficiency of water	0.0033	0.00%
Amphipods/Isopods	Northern pikeminnow: Water fraction in biota	0.0038	0.00%
Threespine Stickleback	Mysids: ED constant B	0.0032	0.00%
Northern Pikeminnow	Longfin smelt: Dietary absorption efficiency of water	-0.0032	0.00%
Mollusks	Stickleback: Dietary absorption efficiency of non-lipid organic matter	0.0034	0.00%
Northern Pikeminnow	Copepods: Wet weight of the organism	0.0032	0.00%
Peamouth	Mollusks: ED constant A	0.0031	0.00%
Copepods	Yellow perch large: ED constant B	-0.0038	0.00%
Sockeye Salmon (juv.)	Northern pikeminnow: ED constant A	-0.0033	0.00%
Phytoplankton	Sculpin: Non-lipid organic matter fraction in biota	-0.0031	0.00%
Crayfish Small	Sockeye juvenile: Water fraction in biota	0.0033	0.00%
Prickly Sculpin Small	Yellow perch large: ED constant B	-0.0033	0.00%
Daphnia	Mysids: Non-lipid organic matter fraction in biota	-0.0035	0.00%
Crayfish Small	Cutthroat trout: Water fraction in biota	0.0032	0.00%
Prickly Sculpin Small	Mollusks: Lipid fraction in biota	-0.0032	0.00%
Smallmouth Bass	Amphipods/Isopods: Dietary absorption efficiency of non-lipid organic matter	0.0031	0.00%
Crayfish Small	Cutthroat trout: Non-lipid organic matter fraction in biota	-0.0032	0.00%
Sockeye Salmon (juv.)	Copepods: Dietary absorption efficiency of non-lipid organic matter	0.0032	0.00%
Copepods	Northern pikeminnow: Dietary absorption efficiency of non-lipid organic matter	0.0037	0.00%
Threespine Stickleback	Crayfish small: Non-lipid organic matter fraction in biota	-0.0031	0.00%
Crayfish Small	Yellow perch large: Dietary absorption efficiency of water	0.0032	0.00%
Smallmouth Bass	Stickleback: ED constant A	0.0031	0.00%
Mollusks	Yellow perch large: Lipid fraction in biota	-0.0033	0.00%
Yellow Perch Small	Mysids: Lipid fraction in biota	0.0031	0.00%
Longfin Smelt	Crayfish small: Fraction of respiration that involves sediment pore water	0.0030	0.00%
Phytoplankton	Mollusks: Fraction of respiration that involves sediment pore water	-0.0030	0.00%
Crayfish Small	Peamouth chub: Fraction of respiration that involves sediment pore water	-0.0031	0.00%
Mysids	Sockeye juvenile: Fraction of respiration that involves sediment pore water	-0.0029	0.00%
Benthic Invertebrates	Yellow perch small:Lipid fraction in biota	-0.0030	0.00%
Sockeye Salmon (juv.)	Cutthroat trout: ED constant B	0.0030	0.00%
Threespine Stickleback	Prickly sculpin small: ED constant B	-0.0029	0.00%
Prickly Sculpin Small	Phytoplankton: Growth rate constant	0.0030	0.00%
Peamouth	General Bio: Particle scavenging efficiency	0.0028	0.00%
Mysids	General Bio: Metabolic transformation rate	-0.0028	0.00%
Peamouth	Smallmouth bass: Dietary absorption efficiency of non-lipid organic matter	-0.0028	0.00%
Benthic Invertebrates	Crayfish small: Water fraction in biota	-0.0030	0.00%
Prickly Sculpin Large	Peamouth chub: Water fraction in biota	-0.0030	0.00%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Copepods	Peamouth chub: Dietary absorption efficiency of non-lipid organic matter	-0.0034	0.00%
Prickly Sculpin Large	Yellow perch small:ED constant A	-0.0030	0.00%
Northern Pikeminnow	Crayfish Large: Fraction of respiration that involves sediment pore water	0.0029	0.00%
Yellow Perch Small	Yellow perch large: ED constant A	0.0029	0.00%
Yellow Perch Large	Northern pikeminnow: Wet weight of the organism	0.0029	0.00%
Yellow Perch Small	Sockeye juvenile: Dietary absorption efficiency of non-lipid organic matter	0.0028	0.00%
Copepods	Crayfish Large: Dietary absorption efficiency of water	0.0033	0.00%
Amphipods/Isopods	Northern pikeminnow: Dietary absorption efficiency of non-lipid organic matter	0.0033	0.00%
Yellow Perch Small	Crayfish Large: Non-lipid organic matter fraction in biota	-0.0028	0.00%
Prickly Sculpin Large	Sockeye juvenile: Lipid fraction in biota	-0.0029	0.00%
Yellow Perch Large	Crayfish small: Fraction of respiration that involves sediment pore water	0.0029	0.00%
Phytoplankton	Benthic invertebrates: Dietary absorption efficiency of lipid	-0.0027	0.00%
Amphipods/Isopods	Smallmouth bass: Dietary absorption efficiency of lipid	-0.0032	0.00%
Crayfish Small	Yellow perch small:ED constant B	0.0028	0.00%
Crayfish Large	Stickleback: Non-lipid organic matter fraction in biota	0.0029	0.00%
Crayfish Small	Crayfish Large: Dietary absorption efficiency of non-lipid organic matter	0.0028	0.00%
Copepods	Cutthroat trout: Dietary absorption efficiency of water	-0.0032	0.00%
Mysids	Smallmouth bass: Dietary absorption efficiency of water	-0.0026	0.00%
Crayfish Small	Crayfish small: Dietary absorption efficiency of water	0.0028	0.00%
Daphnia	Stickleback: Dietary absorption efficiency of lipid	-0.0030	0.00%
Yellow Perch Small	Crayfish Large: Water fraction in biota	0.0027	0.00%
Smallmouth Bass	Mysids: Lipid fraction in biota	-0.0026	0.00%
Daphnia	Longfin smelt: Dietary absorption efficiency of water	0.0029	0.00%
Cutthroat Trout	Crayfish small: Lipid fraction in biota	-0.0026	0.00%
Longfin Smelt	Phytoplankton: Growth rate constant	0.0026	0.00%
Mysids	Sockeye juvenile: Non-lipid organic matter fraction in biota	-0.0025	0.00%
Yellow Perch Large	Sculpin: Water fraction in biota	-0.0026	0.00%
Phytoplankton	Mollusks: Dietary absorption efficiency of lipid	-0.0025	0.00%
Smallmouth Bass	Benthic invertebrates: Dietary absorption efficiency of water	-0.0026	0.00%
Cutthroat Trout	Chem properties: LeBas molar volume	-0.0025	0.00%
Phytoplankton	Longfin smelt: Dietary absorption efficiency of lipid	0.0025	0.00%
Threespine Stickleback	Crayfish Large: ED constant B	0.0025	0.00%
Crayfish Small	Peamouth chub: Dietary absorption efficiency of lipid	0.0026	0.00%
Peamouth	Chem properties: Molecular weight	0.0024	0.00%
Crayfish Small	Sculpin: ED constant B	-0.0026	0.00%
Phytoplankton	Mollusks: Dietary absorption efficiency of non-lipid organic matter	0.0025	0.00%
Amphipods/Isopods	Longfin smelt: Wet weight of the organism	0.0029	0.00%
Mollusks	Sockeye juvenile: ED constant A	0.0026	0.00%
Cutthroat Trout	Yellow perch small:Water fraction in biota	-0.0025	0.00%
Sockeye Salmon (juv.)	Mollusks: Wet weight of the organism	-0.0025	0.00%
Yellow Perch Small	Sockeye juvenile: Lipid fraction in biota	0.0024	0.00%
Copepods	Benthic invertebrates: Dietary absorption efficiency of lipid	-0.0029	0.00%
Crayfish Large	Amphipods/Isopods: Dietary absorption efficiency of lipid	-0.0025	0.00%
Sockeye Salmon (juv.)	Amphipods/Isopods: Dietary absorption efficiency of lipid	0.0025	0.00%
Yellow Perch Large	Crayfish Large: Dietary absorption efficiency of non-lipid organic matter	-0.0025	0.00%
Amphipods/Isopods	Sockeye juvenile: Dietary absorption efficiency of lipid	-0.0028	0.00%
Longfin Smelt	Mollusks: Dietary absorption efficiency of water	-0.0024	0.00%
Prickly Sculpin Large	Smallmouth bass: ED constant A	0.0024	0.00%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Mollusks	Prickly sculpin small: ED constant B	0.0025	0.00%
Crayfish Large	Sculpin: Wet weight of the organism	-0.0024	0.00%
Mysids	Mysids: ED constant A	0.0023	0.00%
Mysids	Yellow perch large: Dietary absorption efficiency of water	-0.0023	0.00%
Yellow Perch Small	Crayfish small: Water fraction in biota	-0.0023	0.00%
Crayfish Small	Yellow perch small:Dietary absorption efficiency of water	-0.0024	0.00%
Cutthroat Trout	Benthic invertebrates: Wet weight of the organism	0.0023	0.00%
Daphnia	Crayfish Large: Dietary absorption efficiency of lipid	-0.0025	0.00%
Smallmouth Bass	Mysids: Dietary absorption efficiency of lipid	-0.0023	0.00%
Daphnia	Peamouth chub: Non-lipid organic matter fraction in biota	-0.0025	0.00%
Prickly Sculpin Small	Smallmouth bass: ED constant A	-0.0023	0.00%
Peamouth	Crayfish Large: ED constant B	0.0021	0.00%
Daphnia	Sockeye juvenile: Dietary absorption efficiency of non-lipid organic matter	-0.0024	0.00%
Northern Pike minnow	Cutthroat trout: Non-lipid organic matter fraction in biota	0.0021	0.00%
Cutthroat Trout	Mollusks: ED constant A	-0.0021	0.00%
Sockeye Salmon (juv.)	Phytoplankton: Water fraction in plant	-0.0022	0.00%
Phytoplankton	Sockeye juvenile: ED constant B	-0.0021	0.00%
Northern Pike minnow	Cutthroat trout: Dietary absorption efficiency of water	0.0021	0.00%
Prickly Sculpin Small	Mysids: Dietary absorption efficiency of lipid	0.0021	0.00%
Yellow Perch Small	Crayfish small: Non-lipid organic matter fraction in biota	0.0020	0.00%
Benthic Invertebrates	Copepods: Lipid fraction in biota	0.0020	0.00%
Longfin Smelt	Yellow perch small:Water fraction in biota	-0.0020	0.00%
Sockeye Salmon (juv.)	Copepods: Dietary absorption efficiency of water	-0.0020	0.00%
Copepods	Yellow perch small:Wet weight of the organism	-0.0023	0.00%
Daphnia	Mysids: Water fraction in biota	0.0022	0.00%
Threespine Stickleback	Mysids: Wet weight of the organism	-0.0019	0.00%
Threespine Stickleback	Peamouth chub: Fraction of respiration that involves sediment pore water	0.0019	0.00%
Smallmouth Bass	Longfin smelt: Wet weight of the organism	0.0019	0.00%
Smallmouth Bass	Mollusks: ED constant A	0.0019	0.00%
Mollusks	Peamouth chub: Dietary absorption efficiency of non-lipid organic matter	-0.0020	0.00%
Northern Pike minnow	Cutthroat trout: Water fraction in biota	-0.0019	0.00%
Longfin Smelt	Smallmouth bass: ED constant B	0.0019	0.00%
Daphnia	Copepods: Dietary absorption efficiency of water	-0.0021	0.00%
Cutthroat Trout	Peamouth chub: Dietary absorption efficiency of lipid	0.0019	0.00%
Sockeye Salmon (juv.)	Chem properties: LeBas molar volume	-0.0019	0.00%
Daphnia	Prickly sculpin small: Fraction of respiration that involves sediment pore water	0.0021	0.00%
Prickly Sculpin Large	Yellow perch large: Fraction of respiration that involves sediment pore water	0.0019	0.00%
Cutthroat Trout	Crayfish Large: Dietary absorption efficiency of water	-0.0019	0.00%
Sockeye Salmon (juv.)	Prickly sculpin small: Fraction of respiration that involves sediment pore water	-0.0019	0.00%
Mollusks	Mysids: ED constant B	-0.0020	0.00%
Longfin Smelt	Yellow perch small:Non-lipid organic matter fraction in biota	0.0019	0.00%
Yellow Perch Large	Stickleback: ED constant B	0.0019	0.00%
Threespine Stickleback	Sockeye juvenile: Fraction of respiration that involves sediment pore water	0.0018	0.00%
Copepods	Yellow perch small:Lipid fraction in biota	-0.0021	0.00%
Crayfish Small	Crayfish Large: Dietary absorption efficiency of lipid	-0.0018	0.00%
Mollusks	Sculpin: ED constant B	0.0019	0.00%
Northern Pike minnow	Amphipods/Isopods: Dietary absorption efficiency of water	-0.0018	0.00%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Amphipods/Isopods	Crayfish small: Dietary absorption efficiency of water	-0.0021	0.00%
Sockeye Salmon (juv.)	Yellow perch large: ED constant B	0.0018	0.00%
Crayfish Small	Mysids: Dietary absorption efficiency of non-lipid organic matter	0.0018	0.00%
Longfin Smelt	Chem properties: LeBas molar volume	0.0017	0.00%
Smallmouth Bass	Cutthroat trout: Lipid fraction in biota	-0.0017	0.00%
Copepods	Longfin smelt: ED constant A	-0.0020	0.00%
Northern Pikeminnow	Amphipods/Isopods: Wet weight of the organism	-0.0017	0.00%
Yellow Perch Large	Prickly sculpin small: ED constant A	-0.0017	0.00%
Phytoplankton	Crayfish small: ED constant A	-0.0017	0.00%
Northern Pikeminnow	Yellow perch small: Dietary absorption efficiency of water	0.0017	0.00%
Crayfish Large	Sockeye juvenile: Wet weight of the organism	-0.0017	0.00%
Sockeye Salmon (juv.)	Sculpin: ED constant B	-0.0017	0.00%
Prickly Sculpin Large	Yellow perch small: Non-lipid organic matter fraction in biota	-0.0017	0.00%
Yellow Perch Small	Crayfish Large: Dietary absorption efficiency of lipid	0.0016	0.00%
Smallmouth Bass	Longfin smelt: ED constant A	-0.0016	0.00%
Northern Pikeminnow	Sculpin: Dietary absorption efficiency of water	0.0016	0.00%
Benthic Invertebrates	Sockeye juvenile: Dietary absorption efficiency of water	-0.0016	0.00%
Peamouth	Amphipods/Isopods: Dietary absorption efficiency of lipid	0.0015	0.00%
Cutthroat Trout	Sockeye juvenile: Wet weight of the organism	-0.0015	0.00%
Benthic Invertebrates	Sockeye juvenile: Dietary absorption efficiency of lipid	-0.0015	0.00%
Threespine Stickleback	Yellow perch large: Dietary absorption efficiency of lipid	-0.0015	0.00%
Sockeye Salmon (juv.)	Amphipods/Isopods: Dietary absorption efficiency of non-lipid organic matter	0.0016	0.00%
Sockeye Salmon (juv.)	Cutthroat trout: Dietary absorption efficiency of lipid	-0.0016	0.00%
Smallmouth Bass	Benthic invertebrates: ED constant A	-0.0015	0.00%
Peamouth	Longfin smelt: ED constant B	-0.0014	0.00%
Threespine Stickleback	Benthic invertebrates: ED constant A	0.0015	0.00%
Yellow Perch Small	Longfin smelt: Non-lipid organic matter fraction in biota	-0.0015	0.00%
Crayfish Small	Sockeye juvenile: Non-lipid organic matter fraction in biota	-0.0015	0.00%
Peamouth	Yellow perch large: Fraction of respiration that involves sediment pore water	0.0014	0.00%
Yellow Perch Small	Smallmouth bass: ED constant B	0.0015	0.00%
Smallmouth Bass	Yellow perch large: Water fraction in biota	0.0015	0.00%
Phytoplankton	Yellow perch small: Lipid fraction in biota	-0.0014	0.00%
Longfin Smelt	Abiotic parms: Disequilibrium factor for POC partitioning in water column	-0.0014	0.00%
Daphnia	Longfin smelt: Water fraction in biota	-0.0016	0.00%
Crayfish Small	Amphipods/Isopods: Dietary absorption efficiency of lipid	0.0014	0.00%
Crayfish Small	Amphipods/Isopods: Dietary absorption efficiency of non-lipid organic matter	0.0014	0.00%
Crayfish Small	Sockeye juvenile: Dietary absorption efficiency of non-lipid organic matter	0.0014	0.00%
Mollusks	Crayfish small: Dietary absorption efficiency of lipid	-0.0015	0.00%
Benthic Invertebrates	Longfin smelt: ED constant A	0.0014	0.00%
Copepods	Mysids: Wet weight of the organism	-0.0016	0.00%
Sockeye Salmon (juv.)	General Bio: Particle scavenging efficiency	0.0014	0.00%
Benthic Invertebrates	Mollusks: Fraction of respiration that involves sediment pore water	-0.0014	0.00%
Daphnia	Yellow perch small: Fraction of respiration that involves sediment pore water	0.0015	0.00%
Copepods	Northern pikeminnow: Non-lipid organic matter fraction in biota	0.0016	0.00%
Copepods	Crayfish Large: ED constant A	-0.0016	0.00%
Benthic Invertebrates	Prickly sculpin small: Water fraction in biota	0.0013	0.00%
Benthic Invertebrates	Northern pikeminnow: Lipid fraction in biota	-0.0013	0.00%
Smallmouth Bass	Peamouth chub: Non-lipid organic matter fraction in biota	0.0013	0.00%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Threespine Stickleback	Northern pikeminnow: Lipid fraction in biota	0.0013	0.00%
Yellow Perch Large	Mollusks: Dietary absorption efficiency of non-lipid organic matter	0.0013	0.00%
Sockeye Salmon (juv.)	Longfin smelt: Dietary absorption efficiency of non-lipid organic matter	0.0013	0.00%
Smallmouth Bass	Crayfish small: ED constant B	0.0013	0.00%
Prickly Sculpin Large	Sockeye juvenile: Dietary absorption efficiency of non-lipid organic matter	0.0013	0.00%
Threespine Stickleback	Phytoplankton: Organic phase resistance constant	0.0013	0.00%
Yellow Perch Small	Sockeye juvenile: Wet weight of the organism	-0.0013	0.00%
Copepods	Crayfish Large: Fraction of respiration that involves sediment pore water	-0.0015	0.00%
Cutthroat Trout	Crayfish small: Dietary absorption efficiency of non-lipid organic matter	-0.0012	0.00%
Threespine Stickleback	Phytoplankton: Water fraction in plant	-0.0012	0.00%
Yellow Perch Small	Prickly sculpin small: ED constant B	-0.0012	0.00%
Crayfish Large	Sculpin: Fraction of respiration that involves sediment pore water	0.0012	0.00%
Mollusks	Benthic invertebrates: ED constant A	-0.0013	0.00%
Sockeye Salmon (juv.)	Sculpin: Fraction of respiration that involves sediment pore water	-0.0012	0.00%
Mollusks	Amphipods/Isopods: Fraction of respiration that involves sediment pore water	-0.0013	0.00%
Peamouth	Cutthroat trout: Water fraction in biota	-0.0011	0.00%
Daphnia	Longfin smelt: Dietary absorption efficiency of non-lipid organic matter	0.0013	0.00%
Cutthroat Trout	Abiotic parms: Concentration of suspended solids	-0.0012	0.00%
Yellow Perch Large	Prickly sculpin small: Fraction of respiration that involves sediment pore water	-0.0012	0.00%
Cutthroat Trout	General Bio: Particle scavenging efficiency	-0.0011	0.00%
Yellow Perch Small	Smallmouth bass: Dietary absorption efficiency of water	0.0011	0.00%
Yellow Perch Small	Longfin smelt: ED constant B	0.0011	0.00%
Amphipods/Isopods	Yellow perch large: Fraction of respiration that involves sediment pore water	0.0013	0.00%
Peamouth	Cutthroat trout: Non-lipid organic matter fraction in biota	0.0011	0.00%
Smallmouth Bass	Mollusks: Lipid fraction in biota	0.0011	0.00%
Longfin Smelt	General Bio: Particle scavenging efficiency	0.0011	0.00%
Peamouth	Peamouth chub: Dietary absorption efficiency of water	0.0010	0.00%
Prickly Sculpin Large	Mysids: ED constant B	-0.0011	0.00%
Mollusks	Northern pikeminnow: Wet weight of the organism	0.0011	0.00%
Peamouth	Yellow perch large: Dietary absorption efficiency of water	-0.0010	0.00%
Yellow Perch Large	Yellow perch small: Dietary absorption efficiency of water	0.0011	0.00%
Cutthroat Trout	Abiotic parms: Organic carbon content of sediment	-0.0010	0.00%
Yellow Perch Large	Copepods: Lipid fraction in biota	0.0010	0.00%
Crayfish Large	Prickly sculpin small: Wet weight of the organism	-0.0011	0.00%
Cutthroat Trout	Benthic invertebrates: ED constant A	0.0010	0.00%
Cutthroat Trout	Prickly sculpin small: ED constant A	0.0010	0.00%
Benthic Invertebrates	Copepods: Dietary absorption efficiency of non-lipid organic matter	-0.0010	0.00%
Smallmouth Bass	Prickly sculpin small: Lipid fraction in biota	0.0010	0.00%
Daphnia	Peamouth chub: Water fraction in biota	0.0011	0.00%
Smallmouth Bass	Yellow perch large: Non-lipid organic matter fraction in biota	-0.0010	0.00%
Threespine Stickleback	Sculpin: Fraction of respiration that involves sediment pore water	-0.0009	0.00%
Copepods	Yellow perch small: Dietary absorption efficiency of non-lipid organic matter	0.0011	0.00%
Yellow Perch Large	Crayfish small: ED constant B	-0.0009	0.00%
Prickly Sculpin Small	Copepods: Wet weight of the organism	-0.0009	0.00%
Sockeye Salmon (juv.)	Yellow perch large: ED constant A	0.0009	0.00%
Benthic Invertebrates	Stickleback: Non-lipid organic matter fraction in biota	-0.0009	0.00%
Yellow Perch Small	Yellow perch large: Dietary absorption efficiency of lipid	0.0009	0.00%
Phytoplankton	Smallmouth bass: Dietary absorption efficiency of lipid	0.0009	0.00%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Cutthroat Trout	Sockeye juvenile: Dietary absorption efficiency of water	0.0009	0.00%
Prickly Sculpin Large	Sockeye juvenile: ED constant B	0.0009	0.00%
Sockeye Salmon (juv.)	Sculpin: Lipid fraction in biota	0.0009	0.00%
Amphipods/Isopods	Northern pikeminnow: Wet weight of the organism	-0.0010	0.00%
Peamouth	Cutthroat trout: ED constant A	0.0008	0.00%
Crayfish Small	Sockeye juvenile: ED constant A	0.0009	0.00%
Benthic Invertebrates	Sculpin: Dietary absorption efficiency of water	-0.0008	0.00%
Longfin Smelt	Sockeye juvenile: ED constant A	-0.0008	0.00%
Amphipods/Isopods	Sculpin: Dietary absorption efficiency of non-lipid organic matter	-0.0009	0.00%
Phytoplankton	Sculpin: Dietary absorption efficiency of lipid	-0.0008	0.00%
Smallmouth Bass	Sockeye juvenile: Wet weight of the organism	0.0008	0.00%
Daphnia	Mysids: Lipid fraction in biota	-0.0008	0.00%
Yellow Perch Small	Chem properties: Molecular weight	0.0007	0.00%
Benthic Invertebrates	Amphipods/Isopods: Wet weight of the organism	-0.0007	0.00%
Prickly Sculpin Small	Phytoplankton: Non-lipid organic carbon fraction in plant	0.0007	0.00%
Smallmouth Bass	Smallmouth bass: ED constant A	0.0007	0.00%
Threespine Stickleback	Longfin smelt: Non-lipid organic matter fraction in biota	0.0006	0.00%
Daphnia	Longfin smelt: Non-lipid organic matter fraction in biota	-0.0007	0.00%
Prickly Sculpin Small	Cutthroat trout: Water fraction in biota	-0.0006	0.00%
Prickly Sculpin Large	Chem properties: LeBas molar volume	-0.0006	0.00%
Cutthroat Trout	Mollusks: Wet weight of the organism	0.0006	0.00%
Longfin Smelt	Cutthroat trout: Lipid fraction in biota	-0.0006	0.00%
Yellow Perch Small	Sculpin: ED constant B	-0.0006	0.00%
Prickly Sculpin Small	Stickleback: Lipid fraction in biota	-0.0005	0.00%
Phytoplankton	Sculpin: Dietary absorption efficiency of water	0.0005	0.00%
Amphipods/Isopods	Daphnia: ED constant A	0.0006	0.00%
Longfin Smelt	Phytoplankton: Organic phase resistance constant	-0.0005	0.00%
Amphipods/Isopods	Abiotic parms: Density of OC in sediment	0.0006	0.00%
Smallmouth Bass	Crayfish Large: Fraction of respiration that involves sediment pore water	0.0005	0.00%
Peamouth	Yellow perch large: ED constant B	0.0005	0.00%
Threespine Stickleback	Longfin smelt: Water fraction in biota	0.0005	0.00%
Threespine Stickleback	Peamouth chub: Wet weight of the organism	0.0004	0.00%
Benthic Invertebrates	Amphipods/Isopods: Dietary absorption efficiency of water	0.0004	0.00%
Yellow Perch Small	Longfin smelt: Water fraction in biota	0.0004	0.00%
Benthic Invertebrates	Prickly sculpin small: Non-lipid organic matter fraction in biota	0.0004	0.00%
Peamouth	Mysids: Lipid fraction in biota	0.0004	0.00%
Phytoplankton	Amphipods/Isopods: Dietary absorption efficiency of non-lipid organic matter	0.0004	0.00%
Peamouth	Peamouth chub: Fraction of respiration that involves sediment pore water	0.0004	0.00%
Mysids	Sockeye juvenile: Water fraction in biota	0.0004	0.00%
Prickly Sculpin Large	Benthic invertebrates: Non-lipid organic matter fraction in biota	0.0004	0.00%
Daphnia	Northern pikeminnow: Dietary absorption efficiency of lipid	0.0004	0.00%
Prickly Sculpin Small	Abiotic parms: Density of OC in sediment	-0.0003	0.00%
Cutthroat Trout	Peamouth chub: Fraction of respiration that involves sediment pore water	-0.0003	0.00%
Copepods	Amphipods/Isopods: Fraction of respiration that involves sediment pore water	-0.0004	0.00%
Yellow Perch Large	Sculpin: Non-lipid organic matter fraction in biota	0.0003	0.00%
Benthic Invertebrates	Phytoplankton: Lipid fraction in plant	0.0003	0.00%
Yellow Perch Large	Crayfish Large: Fraction of respiration that involves sediment pore water	0.0003	0.00%
Daphnia	Chem properties: Molecular weight	-0.0003	0.00%

Appendix C: Bioaccumulation Model Sensitivity Analysis Results

Forecast	Assumption	Spearman's Rho	Contribution to variance
Peamouth	Abiotic parms: Concentration of suspended solids	-0.0002	0.00%
Crayfish Small	Crayfish Large: Dietary absorption efficiency of water	0.0002	0.00%
Mysids	Sculpin: Lipid fraction in biota	0.0001	0.00%
Yellow Perch Small	Northern pikeminnow: Water fraction in biota	0.0001	0.00%
Prickly Sculpin Large	Mysids: ED constant A	-0.0001	0.00%
Amphipods/Isopods	Stickleback: ED constant A	-0.0001	0.00%
Yellow Perch Large	Abiotic parms: Disequilibrium factor for POC partitioning in water column	-0.0001	0.00%
Copepods	Amphipods/Isopods: ED constant B	-0.0001	0.00%
Threespine Stickleback	Benthic invertebrates: Dietary absorption efficiency of non-lipid organic matter	0.0001	0.00%
Longfin Smelt	Yellow perch small: Dietary absorption efficiency of non-lipid organic matter	0.0001	0.00%
Benthic Invertebrates	Prickly sculpin small: Fraction of respiration that involves sediment pore water	0.0000	0.00%
Threespine Stickleback	Smallmouth bass: Wet weight of the organism	0.0000	0.00%
Amphipods/Isopods	Smallmouth bass: ED constant B	0.0000	0.00%
Crayfish Small	Stickleback: Dietary absorption efficiency of lipid	0.0000	0.00%
Mysids	Northern pikeminnow: Water fraction in biota	0.0000	0.00%