Appendix D

Human Health Risk Assessment Data and Calculations

Human Health Risk Assessment Data and Calculations

Formerly Appendix B of the BHHRA (CDM 2003b)

Kalamazoo Risk and Hazard Calculation Spreadsheets

Common Term Calculations by Exposure Scenario

Cancer Risks	fillet/meal	meals/year	Reduction Fac	Fraction Ingest	ED	BW	AT	Slope Factor or Reference Dose	**Constant Term**
Scenario	(kg)				(yr)	(kg)	(days)	(mg/kg-d)^-1 or mg/kg/d)	
Sport Angler CTE	0.227	24	0.5	1	30	70	25550	2	**9.14E-05**
Sport Angler High End	0.227	125	0.5	0.5	30	70	25550	2	**2.38E-04**
Subsistance Angler	0.227	179	0.5	1	30	70	25550	2	**6.82E-04**
Non-Cancer Hazards (Reproductive Endpoint)									
Scenario									
Sport Angler CTE	0.227	24	0.5	1	2	70	730	0.00007	**1.52**
Sport Angler High End	0.227	125	0.5	0.5	2	70	730	0.00007	**3.97**
Subsistance Angler	0.227	179	0.5	1	2	70	730	0.00007	**11.36**
Non-Cancer Hazards (Immunological Endpoint)									
Scenario									
Sport Angler CTE	0.227	24	0.5	1	30	70	10950	0.00002	**5.33**
Sport Angler High End	0.227	125	0.5	0.5	30	70	10950	0.00002	**13.88**
Subsistance Angler	0.227	179	0.5	1	30	70	10950	0.00002	**39.76**

For risk and hazard calculations, exposure point concentrations were multiplied by the appropriate constant term.

RISK AND HAZARD CALCULATIONS USING MAXIMUM TISSUE CONCENTRATIONS ABSA-BY-ABSA

ABSA-Specific Fish Fillet Data	ABSA	Max fillet concentration	Avg fillet concentration	76/24 Diet (Bass/Carp) Maximum Concentrations	Sport Angler (CTE) Risk Max	Sport Angler (CTE) Repro. Endpoint Hazard Max	Sport Angler (CTE) Immo. Endpoint Hazard Max	Sport Angler High End Risk Max	Sport Angler High End Repro. Endpoint Hazard Max	Sport Angler High End Immo. Endpoint Hazard Max	Subsistence Angler Risk Max	Subsistence Angler Repro. Endpoint Hazard Max	Subsistence Angler Immno. Endpoint Hazard Max
Carp 1	1	1.7E-01	8.3E-02	2.8E-01	2.5E-05	4.2E-01	1.5E+00	6.6E-05	1.1E+00	3.8E+00	1.9E-04	3.1E+00	1.1E+01
Carp 2	2	1.9E+00	6.1E-01	9.7E-01	8.8E-05	1.5E+00	5.1E+00	2.3E-04	3.8E+00	1.3E+01	6.6E-04	1.1E+01	3.8E+01
Carp 3		8.2E+00	6.1E-01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Carp 4		1.3E+01	6.6E+00	(ABSA 3,4&5)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Carp 5 (EPC is maximum for 3,4&5)	3,4,5	1.7E+01	5.8E+00	7.1E+00	6.5E-04	1.1E+01	3.8E+01	1.7E-03	2.8E+01	9.8E+01	4.8E-03	8.0E+01	2.8E+02
Carp 6	6	8.0E+00	3.4E+00	4.7E+00	4.3E-04	7.2E+00	2.5E+01	1.1E-03	1.9E+01	6.5E+01	3.2E-03	5.3E+01	1.9E+02
Carp 7	7	6.4E+00	2.7E+00	4.4E+00	4.0E-04	6.7E+00	2.3E+01	1.0E-03	1.7E+01	6.1E+01	3.0E-03	5.0E+01	1.7E+02
Carp 8	8	9.6E+00	4.6E+00	5.5E+00	5.0E-04	8.4E+00	2.9E+01	1.3E-03	2.2E+01	7.6E+01	3.7E-03	6.2E+01	2.2E+02
Carp 9	9	6.5E+00	1.8E+00	6.0E+00	5.5E-04	9.1E+00	3.2E+01	1.4E-03	2.4E+01	8.3E+01	4.1E-03	6.8E+01	2.4E+02
Carp 10	10	1.7E+01	7.6E+00	5.9E+00	5.4E-04	9.0E+00	3.2E+01	1.4E-03	2.3E+01	8.2E+01	4.0E-03	6.7E+01	2.4E+02
Carp 11	11	9.1E+00	4.9E+00	2.8E+00	2.6E-04	4.3E+00	1.5E+01	6.7E-04	1.1E+01	3.9E+01	1.9E-03	3.2E+01	1.1E+02
Carp 12	12	8.8E+00	3.4E+00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Small Mouth Bass 1	1	3.1E-01	1.3E-01	N/A	2.8E-05	4.7E-01	1.6E+00	7.4E-05	1.2E+00	4.3E+00	2.1E-04	3.5E+00	1.2E+01
Small Mouth Bass 2	2	6.7E-01	2.8E-01	N/A	6.1E-05	1.0E+00	3.6E+00	1.6E-04	2.7E+00	9.3E+00	4.6E-04	7.6E+00	2.7E+01
Small Mouth Bass 3		3.2E+00	1.1E+00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Small Mouth Bass 4		7.2E-01	4.8E-01	(ABSA 3,4&5)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Small Mouth Bass 5 (EPC is maximum for 3,4&5	3,4,5	3.9E+00	1.8E+00	3.9E+00	3.6E-04	5.9E+00	2.1E+01	9.3E-04	1.5E+01	5.4E+01	2.7E-03	4.4E+01	1.5E+02
Small Mouth Bass 6	6	3.7E+00	9.9E-01	N/A	3.3E-04	5.6E+00	2.0E+01	8.7E-04	1.5E+01	5.1E+01	2.5E-03	4.2E+01	1.5E+02
Small Mouth Bass 7	7	3.7E+00	1.5E+00	N/A	3.4E-04	5.7E+00	2.0E+01	8.9E-04	1.5E+01	5.2E+01	2.5E-03	4.2E+01	1.5E+02
Small Mouth Bass 8	8	4.2E+00	1.9E+00	N/A	3.8E-04	6.4E+00	2.2E+01	1.0E-03	1.7E+01	5.8E+01	2.9E-03	4.8E+01	1.7E+02
Small Mouth Bass 9	9	5.8E+00	3.3E+00	N/A	5.3E-04	8.8E+00	3.1E+01	1.4E-03	2.3E+01	8.1E+01	4.0E-03	6.6E+01	2.3E+02
Small Mouth Bass 10	10	2.4E+00	1.9E+00	N/A	2.2E-04	3.7E+00	1.3E+01	5.8E-04	9.6E+00	3.4E+01	1.6E-03	2.7E+01	9.6E+01
Small Mouth Bass 11	11	8.3E-01	5.4E-01	N/A	7.6E-05	1.3E+00	4.4E+00	2.0E-04	3.3E+00	1.2E+01	5.7E-04	9.4E+00	3.3E+01

Risk and hazard calculations were not performed individually for ABSAs 3, 4 & 5. As described in the text, these ABSAs were considered a single biological exposure unit.

RISK AND HAZARD CALCULATIONS USING AVERAGE TISSUE CONCENTRATIONS ABSA-BY-ABSA

ABSA-Specific Fish Fillet Data	ABSA	Max fillet concentration	Avg fillet concentration	76/24 Diet (Bass/Carp) Average Concentrations	Sport Angler (CTE) Risk Avg	Sport Angler (CTE) Repro. Endpoint Hazard Avg	Sport Angler (CTE) Immo. Endpoint Hazard Avg	Sport Angler High End Risk Avg	Sport Angler High End Repro. Endpoint Hazard Avg	Sport Angler High End Immo. Endpoint Hazard Avg	Subsistence Angler Risk Avg	Subsistence Angler Repro. Endpoint Hazard Avg	Subsistence Angler Immno. Endpoint Hazard Avg
Carp 1	1	1.7E-01	8.3E-02	1.2E-01	1.1E-05	1.9E-01	6.5E-01	2.9E-05	4.9E-01	1.7E+00	8.3E-05	1.4E+00	4.9E+00
Carp 2	2	1.9E+00	6.1E-01	3.6E-01	3.3E-05	5.5E-01	1.9E+00	8.6E-05	1.4E+00	5.0E+00	2.5E-04	4.1E+00	1.4E+01
Carp 3		8.2E+00	6.1E-01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Carp 4		1.3E+01	6.6E+00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Carp 5 (EPC is average for 3,4&5)	3,4,5	1.7E+01	5.8E+00	1.9E+00	1.7E-04	2.9E+00	1.0E+01	4.5E-04	7.5E+00	2.6E+01	1.3E-03	2.1E+01	7.5E+01
Carp 6	6	8.0E+00	3.4E+00	1.6E+00	1.4E-04	2.4E+00	8.4E+00	3.7E-04	6.2E+00	2.2E+01	1.1E-03	1.8E+01	6.3E+01
Carp 7	7	6.4E+00	2.7E+00	1.8E+00	1.6E-04	2.7E+00	9.4E+00	4.2E-04	7.0E+00	2.5E+01	1.2E-03	2.0E+01	7.0E+01
Carp 8	8	9.6E+00	4.6E+00	2.6E+00	2.4E-04	3.9E+00	1.4E+01	6.1E-04	1.0E+01	3.6E+01	1.8E-03	2.9E+01	1.0E+02
Carp 9	9	6.5E+00	1.8E+00	2.9E+00	2.7E-04	4.5E+00	1.6E+01	7.0E-04	1.2E+01	4.1E+01	2.0E-03	3.3E+01	1.2E+02
Carp 10	10	1.7E+01	7.6E+00	3.3E+00	3.0E-04	5.0E+00	1.7E+01	7.8E-04	1.3E+01	4.5E+01	2.2E-03	3.7E+01	1.3E+02
Carp 11	11	9.1E+00	4.9E+00	1.6E+00	1.5E-04	2.4E+00	8.5E+00	3.8E-04	6.3E+00	2.2E+01	1.1E-03	1.8E+01	6.3E+01
Carp 12	12	8.8E+00	3.4E+00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Small Mouth Bass 1	1	3.1E-01	1.3E-01	N/A	1.2E-05	2.1E-01	7.2E-01	3.2E-05	5.3E-01	1.9E+00	9.2E-05	1.5E+00	5.4E+00
Small Mouth Bass 2	2	6.7E-01	2.8E-01	N/A	2.6E-05	4.3E-01	1.5E+00	6.7E-05	1.1E+00	3.9E+00	1.9E-04	3.2E+00	1.1E+01
Small Mouth Bass 3		3.2E+00	1.1E+00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Small Mouth Bass 4		7.2E-01	4.8E-01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Small Mouth Bass 5 (EPC is average for 3,4&5)	3,4,5	3.9E+00	1.8E+00	1.1E+00	1.0E-04	1.7E+00	5.9E+00	2.7E-04	4.4E+00	1.5E+01	7.6E-04	1.3E+01	7.1E+01
Small Mouth Bass 6	6	3.7E+00	9.9E-01	N/A	9.0E-05	1.5E+00	5.3E+00	2.3E-04	3.9E+00	1.4E+01	6.7E-04	1.1E+01	3.9E+01
Small Mouth Bass 7	7	3.7E+00	1.5E+00	N/A	1.4E-04	2.3E+00	7.9E+00	3.5E-04	5.9E+00	2.1E+01	1.0E-03	1.7E+01	5.9E+01
Small Mouth Bass 8	8	4.2E+00	1.9E+00	N/A	1.8E-04	3.0E+00	1.0E+01	4.6E-04	7.7E+00	2.7E+01	1.3E-03	2.2E+01	7.7E+01
Small Mouth Bass 9	9	5.8E+00	3.3E+00	N/A	3.0E-04	5.0E+00	1.8E+01	7.8E-04	1.3E+01	4.6E+01	2.2E-03	3.7E+01	1.3E+02
Small Mouth Bass 10	10	2.4E+00	1.9E+00	N/A	1.7E-04	2.9E+00	1.0E+01	4.5E-04	7.5E+00	2.6E+01	1.3E-03	2.1E+01	7.5E+01
Small Mouth Bass 11	11	8.3E-01	5.4E-01	N/A	4.9E-05	8.2E-01	2.9E+00	1.3E-04	2.1E+00	7.5E+00	3.7E-04	6.1E+00	2.1E+01

Risk and hazard calculations were not performed individually for ABSAs 3, 4 & 5. As described in the text, these ABSAs were considered a single biological exposure unit.

Exposure Point Concentrations in Shaded Boxes

KALAMAZOO RISK ASSESSMENT
CALCULATIONS FOR RESIDENTIAL SCENARIO

Residential Scenario
Constant Term Calculations for Cancer Risk

FC	EF_i	EF_d	EF_{inhal}	IR_{soil}	IR_{air}	DF	AE_i	AE_d	AE_{inhal}	VF	PEF	CSF_o	CSF_{inhal}	CF	AT	**Multiplier**
1	350	245	350	114	7.52	353	1	0.14	1	7.30E-07	6.90E-12	2	0.4	1.00E-06	25550	4.07E-06

Area	Maximum Concentration	Average Concentration	Cancer Risk (Max)	Cancer Risk (Ave)	RBC_{cancer}
Plainwell	85	10.864	3.5E-04	4.4E-05	2.5
Otsego	36	8.396	1.5E-04	3.4E-05	2.5
Trowbridge	81.1	12.308	3.3E-04	5.0E-05	2.5

Constant Term Calculations for Hazard Quotients

FC	EF_i	EF_d	EF_{inhal}	IR_{soil}	IR_{air}	DF	AE_i	AE_d	AE_{inhal}	VF	PEF	RfD_{repro}	RfD_{Immuno}	CF	AT	**Multiplier**	
1	350	245	350	114	7.52	353	1	0.14	1	7.30E-07	6.90E-12	0.00007	0.00002	1.00E-06	10950	6.79E-02	Reproductive Endpoin
1	350	245	350	7.6	0.50	23.5	1	0.14	1	7.30E-07	6.90E-12	0.00007	0.00002	1.00E-06	730	2.37E-01	Immunological Endpoi

Area	Maximum Concentration	Average Concentration	Hazard (Max) Reproductive	Hazard Average Reproductive	Hazard (Max) Immunological	Hazard Average Immunological	RBC_{repro}	RBC_{immuno}
Plainwell	85	10.864	5.8E+00	7.4E-01	2.0E+01	2.6E+00	15	4
Otsego	36	8.396	2.4E+00	5.7E-01	8.5E+00	2.0E+00	15	4
Trowbridge	81.1	12.308	5.5E+00	8.4E-01	1.9E+01	2.9E+00	15	4

Note: Exposure duration for the immunological endpoint is 2 years. IR_{air}, IR_{soil} and DF for this endpoint are multiplied by 2/30 to correct for this shorter exposure period.

RBCs in Shaded Cells

KALAMAZOO RISK ASSESSMENT
CALCULATIONS FOR RECREATIONAL SCENARIO

Recreational Exposure
Constant Term Calculations for Cancer Risk

FC	EF_i	EF_d	EF_{inhal}	IR_{soil}	IR_{air}	DF	AE_i	AE_d	AE_{inhal}	VF	PEF	CSF_o	CSF_{inhal}	CF	AT	**Multiplier**
1	128	128	128	34.29	1.37	61.73	1	0.14	1	7.30E-07	6.90E-12	2	0.4	1.00E-06	25550	4.30E-07

Area	Maximum Concentration	Average Concentration	Cancer Risk (Max)	Cancer Risk (Ave)	RBC_{cancer}
Plainwell	85	10.864	3.7E-05	4.7E-06	23
Otsego	36	8.396	1.5E-05	3.6E-06	23
Trowbridge	81.1	12.308	3.5E-05	5.3E-06	23

Constant Term Calculations for Hazard Quotients

FC	EF_i	EF_d	EF_{inhal}	IR_{soil}	IR_{air}	DF	AE_i	AE_d	AE_{inhal}	VF	PEF	RfD_{repro}	RfD_{Immuno}	CF	AT	**Multiplier**	
1	128	128	128	34.3	1.4	61.7	1	0.14	1	7.30E-07	6.90E-12	0.00007	0.00002	1.00E-06	10950	7.17E-03	Reproductive Endpoin
1	128	128	128	2.9	0.11	5.1	1	0.14	1	7.30E-07	6.90E-12	0.00007	0.00002	1.00E-06	730	3.14E-02	Immunological Endpoi

Area	Maximum Concentration	Average Concentration	Hazard (Max)	Hazard Average	Hazard (Max)	Hazard Average	RBC_{repro}	RBC_{immuno}
			Reproductive		Immunological			
Plainwell	85	10.864	6.1E-01	7.8E-02	2.7E+00	3.4E-01	139	32
Otsego	36	8.396	2.6E-01	6.0E-02	1.1E+00	2.6E-01	139	32
Trowbridge	81.1	12.308	5.8E-01	8.8E-02	2.5E+00	3.9E-01	139	32

Calculated Terms
Cancer Risk & Reproductive Hazard

Parameter	SA	AhF	IR_{inhal}	ET	IR_o	ED	BW	Value
IR_{soil}					100	24	70	34.29
IR_{air}			1	4		24	70	1.37
DF	2572	0.07				24	70	61.73

Immunological Hazard

Parameter	SA	AhF	IR_{inhal}	ET	IR_o	ED	BW	Value
IR_{soil}					100	2	70	2.86
IR_{air}			1	4		2	70	0.114
DF	2572	0.07				2	70	5.14

RBCs in Shaded Cells

Calculation of Confidence Intervals for RBC_{sed}

Bass Only Consumption Scenario	Cancer End-point			Non-Cancer End-point (Immunological)		
	LCL	Mean	UCL	LCL	Mean	UCL
Sport Angler - CTE	0.74	0.51	0.35	1.27	0.88	0.61
Sport Angler - High End	0.29	0.2	0.14	0.49	0.34	0.23
Subsistence Angler	0.10	0.07	0.05	0.17	0.12	0.08

Bass/Carp Exposure Scenario	Cancer End-point			Non-Cancer End-point (Immunological)		
	LCL	Mean	UCL	LCL	Mean	UCL
Sport Angler - CTE	0.43	0.3	0.21	0.75	0.52	0.36
Sport Angler - High End	0.17	0.12	0.08	0.29	0.2	0.14
Subsistence Angler	0.06	0.04	0.03	0.10	0.07	0.05

Sediment and TOC Data Used in Calculation of BSAF

ABSA	PCB	TOCpct	PCBNORM
3	0.025	0.27	9.26
3	0.0255	0.53	4.81
3	0.026	2.97	0.88
3	0.026	0.78	3.33
3	0.026	0.33	7.88
3	0.026	0.18	14.44
3	0.026	0.15	17.33
3	0.026	0.005	520.00
3	0.026	0.005	520.00
3	0.0265	1.71	1.55
3	0.0265	1.38	1.92
3	0.0265	0.92	2.88
3	0.0265	0.62	4.27
3	0.0265	0.56	4.73
3	0.0265	0.0055	481.82
3	0.0265	0.0055	481.82
3	0.0265	0.0055	481.82
3	0.027	4.47	0.60
3	0.027	3.33	0.81
3	0.027	0.94	2.87
3	0.027	0.26	10.38
3	0.027	0.0524	51.53
3	0.027	0.0055	490.91
3	0.027	0.0055	490.91
3	0.027	0.0055	490.91
3	0.0275	1.65	1.67
3	0.0275	1.42	1.94
3	0.0275	1.11	2.48
3	0.0275	0.81	3.40
3	0.0275	0.75	3.67
3	0.0275	0.74	3.72
3	0.0275	0.0055	500.00
3	0.0275	0.0055	500.00
3	0.028	2.66	1.05
3	0.028	0.43	6.51
3	0.028	0.3	9.33
3	0.028	0.0055	509.09
3	0.028	0.0055	509.09
3	0.028	0.0055	509.09
3	0.0285	1.18	2.42
3	0.0285	1.02	2.79
3	0.0285	0.92	3.10
3	0.0285	0.59	4.83
3	0.0285	0.562	5.07
3	0.0285	0.521	5.47
3	0.0285	0.51	5.59
3	0.0285	0.49	5.82
3	0.0285	0.45	6.33

Sediment and TOC Data Used in Calculation of BSAF

3	0.0285	0.38	7.50
3	0.0285	0.15	19.00
3	0.0285	0.09	31.67
3	0.0285	0.006	475.00
3	0.0285	0.00575	495.65
3	0.0285	0.0055	518.18
3	0.029	1.38	2.10
3	0.029	0.92	3.15
3	0.029	0.16	18.13
3	0.029	0.15	19.33
3	0.029	0.006	483.33
3	0.029	0.005	580.00
	0.0295	0.62	4.76
	0.0295	0.16	18.44
3	0.0295	0.006	491.67
3	0.0295	0.0059	500.00
3	0.03	1.73	1.73
3	0.03	0.84	3.57
3	0.03	0.31	9.68
3	0.03	0.14	21.43
3	0.0305	0.69	4.42
3	0.0305	0.15	20.33
3	0.031	0.86	3.60
3	0.031	0.0063	492.06
3	0.0315	1.89	1.67
3	0.0315	0.19	16.58
3	0.0315	0.0065	484.62
3	0.032	2.59	1.24
3	0.0325	0.471	6.90
3	0.033	0.005	660.00
3	0.0335	0.23	14.57
3	0.034	0.98	3.47
3	0.034	0.311	10.93
3	0.034	0.311	10.93
3	0.034	0.311	10.93
3	0.034	0.311	10.93
	0.0345	0.25	13.80
3	0.035	0.0055	636.36
3	0.0355	0.93	3.82
3	0.037	1.99	1.86
3	0.038	0.94	4.04
3	0.038	0.22	17.27
3	0.038	0.00755	503.31
3	0.0385	3.48	1.11
3	0.0425	3.31	1.28
3	0.046	0.79	5.82
3	0.046	0.005	920.00
3	0.049	0.27	18.15
3	0.059	0.05	118.00

Sediment and TOC Data Used in Calculation of BSAF

3	0.059	0.05	118.00
3	0.059	0.05	118.00
3	0.059	0.05	118.00
3	0.061	0.13	46.92
3	0.063	0.56	11.25
3	0.071	0.83	8.55
3	0.073	0.15	48.67
3	0.075	0.62	12.10
3	0.077	3.9	1.97
3	0.086	0.81	10.62
3	0.094	0.006	1566.67
3	0.097	1.87	5.19
	0.097	1.37	7.08
3	0.102	0.00555	1837.84
3	0.103	0.48	21.46
3	0.11	0.76	14.47
3	0.11	0.5	22.00
3	0.116	0.0062	1870.97
3	0.12	0.2	60.00
3	0.124	0.103	120.39
3	0.124	0.00635	1952.76
3	0.163	7.05	2.31
3	0.172	3.81	4.51
3	0.184	0.35	52.57
3	0.205	1.49	13.76
3	0.207	0.3	69.00
3	0.207	0.3	69.00
3	0.207	0.3	69.00
3	0.207	0.3	69.00
3	0.209	0.52	40.19
3	0.209	0.52	40.19
3	0.209	0.52	40.19
3	0.209	0.52	40.19
3	0.223	0.25	89.20
3	0.26	1.71	15.20
3	0.264	1.33	19.85
3	0.276	0.0065	4246.15
3	0.292	0.2	146.00
3	0.315	1.06	29.72
3	0.37	6.11	6.06
3	0.37	6.11	6.06
3	0.37	6.11	6.06
3	0.37	6.11	6.06
3	0.378	0.69	54.78
3	0.39	0.236	165.25
3	0.43	0.27	159.26
3	0.475	0.18	263.89
3	0.53	0.29	182.76
3	0.54	0.006	9000.00

Sediment and TOC Data Used in Calculation of BSAF

3	0.54	0.006	9000.00
3	0.54	0.006	9000.00
3	0.54	0.006	9000.00
3	0.59	2.05	28.78
3	0.59	0.23	256.52
3	0.67	0.14	478.57
3	0.683	0.075	910.67
3	0.832	1.01	82.38
	1.069	2.1	50.90
3	1.19	0.15	793.33
3	1.218	3.12	39.04
3	1.559	1.03	151.36
3	1.62	0.27	600.00
3	2.43	18.6	13.06
3	2.53	1.35	187.41
3	3.7	0.76	486.84
3	6.6	11.4	57.89
3	6.6	11.4	57.89
3	6.6	11.4	57.89
3	6.6	11.4	57.89
3	44	4.17	1055.16
3	86	7.9	1088.61
4	0.0255	5.33	0.48
4	0.026	1.33	1.95
4	0.026	1.16	2.24
4	0.026	0.79	3.29
4	0.0265	0.202	13.12
4	0.0265	0.005	530.00
4	0.027	2.65	1.02
4	0.027	1.31	2.06
4	0.027	0.844	3.20
4	0.027	0.59	4.58
4	0.027	0.39	6.92
4	0.027	0.36	7.50
4	0.027	0.32	8.44
4	0.027	0.14	19.29
4	0.027	0.14	19.29
4	0.027	0.0055	490.91
4	0.0275	0.7	3.93
4	0.0275	0.51	5.39
4	0.0275	0.11	25.00
4	0.028	0.5	5.60
4	0.028	0.45	6.22
4	0.028	0.36	7.78
4	0.028	0.34	8.24
4	0.028	0.324	8.64
4	0.028	0.32	8.75
4	0.0285	0.96	2.97
4	0.029	0.37	7.84

Sediment and TOC Data Used in Calculation of BSAF

4	0.029	0.31	9.35
4	0.029	0.006	483.33
4	0.0295	0.76	3.88
4	0.03	0.806	3.72
4	0.03	0.68	4.41
4	0.03	0.57	5.26
4	0.03	0.23	13.04
4	0.03	0.0961	31.22
4	0.03	0.092	32.61
4	0.03	0.0298	100.67
4	0.0305	0.407	7.49
4	0.0305	0.36	8.47
4	0.031	2.59	1.20
4	0.031	1.57	1.97
	0.031	0.93	3.33
4	0.031	0.29	10.69
4	0.031	0.147	21.09
4	0.0315	0.15	21.00
4	0.032	1.18	2.71
4	0.032	0.299	10.70
4	0.032	0.123	26.02
4	0.0325	1.07	3.04
4	0.0325	0.0065	500.00
4	0.033	0.42	7.86
4	0.034	1.23	2.76
4	0.034	0.14	24.29
4	0.034	0.006	566.67
4	0.035	0.15	23.33
4	0.036	0.18	20.00
4	0.036	0.11	32.73
4	0.037	1.79	2.07
4	0.037	0.22	16.82
4	0.038	0.86	4.42
4	0.038	0.74	5.14
4	0.038	0.18	21.11
4	0.038	0.093	40.86
4	0.039	0.66	5.91
4	0.039	0.41	9.51
4	0.04	0.34	11.76
4	0.041	0.218	18.81
4	0.042	4.86	0.86
4	0.042	0.64	6.56
4	0.042	0.2	21.00
4	0.043	0.94	4.57
4	0.043	0.64	6.72
4	0.046	1.49	3.09
4	0.046	0.65	7.08
4	0.0465	5.96	0.78
4	0.047	0.51	9.22

Sediment and TOC Data Used in Calculation of BSAF

4	0.0475	4.79	0.99
4	0.048	0.988	4.86
4	0.051	0.22	23.18
4	0.056	0.16	35.00
4	0.058	0.13	44.62
4	0.058	0.1	58.00
4	0.064	3.74	1.71
4	0.065	1.26	5.16
4	0.067	0.5	13.40
4	0.072	1.67	4.31
4	0.072	0.683	10.54
4	0.072	0.27	26.67
4	0.079	1.22	6.48
4	0.082	0.56	14.64
4	0.084	0.42	20.00
4	0.085	12.5	0.68
4	0.088	0.281	31.32
4	0.091	1.21	7.52
4	0.091	0.6	15.17
4	0.094	0.25	37.60
4	0.1	1.02	9.80
4	0.11	1.91	5.76
4	0.11	0.77	14.29
4	0.11	0.093	118.28
4	0.12	2.81	4.27
4	0.12	0.085	141.18
4	0.12	0.00615	1951.22
4	0.125	0.52	24.04
4	0.127	0.046	276.09
4	0.128	1.49	8.59
4	0.13	0.1	130.00
4	0.136	1.06	12.83
4	0.15	0.38	39.47
4	0.155	11	1.41
4	0.16	0.12	133.33
4	0.165	0.198	83.33
4	0.17	0.93	18.28
4	0.173	0.221	78.28
4	0.18	0.54	33.33
4	0.181	0.21	86.19
4	0.189	0.7	27.00
4	0.19	0.0055	3454.55
4	0.207	0.28	73.93
4	0.221	0.15	147.33
4	0.222	0.34	65.29
4	0.23	0.6	38.33
4	0.254	0.0061	4163.93
4	0.26	0.91	28.57
	0.268	1.73	15.49

Sediment and TOC Data Used in Calculation of BSAF

4	0.275	7.26	3.79
4	0.4	1.17	34.19
4	0.4	0.95	42.11
4	0.404	1.22	33.11
4	0.488	3.3	14.79
4	0.5	2.46	20.33
4	0.52	6.6	7.88
4	0.52	1.73	30.06
4	0.548	1.42	38.59
4	0.56	0.793	70.62
4	0.563	0.76	74.08
4	0.567	1.1	51.55
4	0.6	0.49	122.45
4	0.614	0.909	67.55
4	0.67	0.92	72.83
4	0.69	3.55	19.44
4	0.71	4.91	14.46
4	0.713	0.82	86.95
4	0.72	2.15	33.49
4	0.727	2.66	27.33
4	0.729	0.89	81.91
4	0.74	10.9	6.79
4	0.741	2.65	27.96
4	0.811	4.41	18.39
4	0.82	4.33	18.94
4	0.84	3.41	24.63
4	1.04	2.81	37.01
4	1.08	18.7	5.78
4	1.1	0.798	137.84
4	1.12	3.26	34.36
4	1.14	0.55	207.27
4	1.18	1.45	81.38
4	1.33	4.16	31.97
4	1.4	0.21	666.67
4	1.431	11.5	12.44
4	1.47	4.94	29.76
4	1.6	6.52	24.54
4	1.92	3.76	51.06
4	2.1	2.03	103.45
4	2.18	4.36	50.00
4	2.24	1.8	124.44
4	2.27	3.78	60.05
4	2.46	1.04	236.54
4	4.11	10	41.10
4	4.18	6.34	65.93
4	4.24	14.8	28.65
4	4.5	1.55	290.32
4	4.7	10.5	44.76
4	5.47	10.9	50.18

Sediment and TOC Data Used in Calculation of BSAF

4	18.5	16.4	112.80
4	68.5	7.7	889.61
5	0.0325	2.12	1.53
5	0.044	3.17	1.39
5	0.051	4.89	1.04
5	0.055	8.15	0.67
5	0.055	8.15	0.67
5	0.055	6.45	0.85
5	0.055	5.24	1.05
5	0.056	3.74	1.50
5	0.065	9.93	0.65
5	0.065	6.29	1.03
5	0.075	0.0055	1363.64
5	0.125	2.94	4.25
5	0.13	2.96	4.39
5	0.17	0.005	3400.00
5	1.04	4.22	24.64
5	1.99	5.96	33.39
5	1.99	5.96	33.39
5	12.2	5.84	208.90
5	16.1	4.54	354.63
5	55	7.68	716.15
5	99.9	10.6	942.45
5	99.9	10.6	942.45
6	0.0285	0.0165	172.73
6	0.029	0.864	3.36
6	0.0325	0.149	21.81
6	0.041	4.62	0.89
6	0.041	0.0797	51.44
6	0.05	3.95	1.27
6	0.065	5.28	1.23
6	0.065	0.102	63.73
6	0.08	0.0823	97.21
6	0.085	3.53	2.41
6	0.088	0.05	176.00
6	0.093	2.98	3.12
6	0.094	6.13	1.53
6	0.099	0.005	1980.00
6	0.13	0.813	15.99
6	0.17	0.0059	2881.36
6	0.208	0.421	49.41
6	0.345	4.61	7.48
6	0.42	6.27	6.70
6	0.452	3.98	11.36
6	0.476	3.11	15.31
6	0.663	1.06	62.55
6	0.85	13.4	6.34
6	0.86	4.78	17.99
6	0.94	0.449	209.35

Sediment and TOC Data Used in Calculation of BSAF

6	1.29	5.75	22.43
6	1.5	7.84	19.13
6	2.19	10.4	21.06
6	3.07	14.1	21.77
6	4.35	0.02	21750.00
6	5.9	12.59	46.86
6	59	10.7	551.40
6	94	7	1342.86
7	0.027	0.622	4.34
7	0.0285	2.28	1.25
7	0.0285	0.55	5.18
7	0.029	0.0272	106.62
7	0.029	0.0058	500.00
7	0.03	0.275	10.91
7	0.0305	0.005	610.00
7	0.035	0.888	3.94
7	0.04	0.005	800.00
7	0.041	0.393	10.43
7	0.042	1.58	2.66
7	0.053	2.12	2.50
7	0.063	0.3695	17.05
7	0.078	0.85	9.18
7	0.084	0.005	1680.00
7	0.086	1.16	7.41
7	0.086	0.005	1720.00
7	0.095	1.92	4.95
7	0.097	2.07	4.69
7	0.11	0.42	26.19
7	0.12	2.99	4.01
7	0.139	0.16	86.88
7	0.165	0.528	31.25
7	0.197	2.28	8.64
7	0.336	0.005	6720.00
7	0.63	0.723	87.14
7	1.05	0.289	363.32
7	1.46	1.67	87.43
7	1.55	9.92	15.63
7	2.44	8.07	30.24
7	2.83	0.484	584.71
7	4.4	1.08	407.41
7	156	8.33	1872.75
8	0.028	2.44	1.15
8	0.028	0.55	5.09
8	0.0285	0.0563	50.62
8	0.0295	0.484	6.10
8	0.03	0.24	12.50
8	0.035	0.62	5.65
8	0.036	0.752	4.79
8	0.039	0.00525	742.86

Sediment and TOC Data Used in Calculation of BSAF

8	0.042	2.71	1.55
8	0.047	6	0.78
8	0.048	2.94	1.63
8	0.055	4.16	1.32
8	0.06	5.4	1.11
8	0.06	4.72	1.27
8	0.07	11.5	0.61
8	0.07	8.23	0.85
8	0.078	0.943	8.27
8	0.089	0.361	24.65
8	0.097	0.513	18.91
8	0.099	0.0909	108.91
8	0.138	0.697	19.80
8	0.14	7.55	1.85
8	0.158	1.29	12.25
8	0.177	0.871	20.32
8	0.187	5	3.74
8	0.24	0.55	43.64
8	0.343	0.18	190.56
8	0.409	0.754	54.24
8	0.46	0.502	91.63
8	0.56	0.84	66.67
8	0.595	0.151	394.04
8	0.75	4.01	18.70
8	0.97	2.77	35.02
8	1.21	1.94	62.37
8	1.416	0.219	646.58
8	2.21	7.68	28.78
8	2.94	6.78	43.36
8	3	10.7	28.04
8	3.2	1.36	235.29
8	3.89	10.1	38.51
8	4.8	16	30.00
8	12.7	5.88	215.99
8	16.3	11.6	140.52
8	91	7.76	1172.68
9	0.0265	0.00535	495.33
9	0.027	1.01	2.67
9	0.0275	2.37	1.16
9	0.028	0.515	5.44
9	0.028	0.00555	504.50
9	0.0285	0.103	27.67
9	0.0285	0.005	570.00
9	0.029	0.504	5.75
9	0.029	0.312	9.29
9	0.029	0.0208	139.42
9	0.0295	1.63	1.81
9	0.0295	0.605	4.88
9	0.0295	0.0059	500.00

Sediment and TOC Data Used in Calculation of BSAF

9	0.03	0.846	3.55
9	0.03	0.846	3.55
9	0.03	0.846	3.55
9	0.03	0.846	3.55
9	0.03	0.38	7.89
9	0.03	0.0558	53.76
9	0.03	0.0061	491.80
9	0.03	0.00605	495.87
9	0.0315	0.00645	488.37
9	0.032	0.79	4.05
9	0.032	0.0065	492.31
9	0.033	2.92	1.13
9	0.033	0.217	15.21
9	0.033	0.00625	528.00
9	0.034	1.61	2.11
9	0.034	0.028	121.43
9	0.0345	0.673	5.13
9	0.037	1.69	2.19
9	0.04	0.02	200.00
9	0.041	0.17	24.12
9	0.042	6.04	0.70
9	0.042	1.35	3.11
9	0.044	0.449	9.80
9	0.048	0.446	10.76
9	0.048	0.013	369.23
9	0.049	4.71	1.04
9	0.051	0.85	6.00
9	0.054	0.892	6.05
9	0.055	1.55	3.55
9	0.055	0.54	10.19
9	0.055	0.0065	846.15
9	0.068	0.24	28.33
9	0.07	0.04	175.00
9	0.071	0.16	44.38
9	0.072	1.36	5.29
9	0.075	0.51	14.71
9	0.079	0.586	13.48
9	0.099	1.54	6.43
9	0.1	0.94	10.64
9	0.12	0.09	133.33
9	0.15	0.098	153.06
9	0.174	0.563	30.91
9	0.174	0.563	30.91
9	0.174	0.563	30.91
9	0.174	0.563	30.91
9	0.178	3.98	4.47
9	0.18	0.0824	218.45
9	0.186	0.807	23.05
9	0.186	0.03	620.00

Sediment and TOC Data Used in Calculation of BSAF

9	0.199	9.58	2.08
9	0.2	0.00695	2877.70
9	0.207	0.0055	3763.64
9	0.216	0.395	54.68
9	0.232	0.803	28.89
9	0.254	0.323	78.64
9	0.275	1.45	18.97
9	0.278	0.0059	4711.86
9	0.278	0.0059	4711.86
9	0.278	0.0059	4711.86
9	0.278	0.0059	4711.86
9	0.292	0.096	304.17
9	0.31	3.59	8.64
9	0.312	1.79	17.43
9	0.317	0.208	152.40
9	0.33	0.63	52.38
9	0.334	0.18	185.56
9	0.354	1.21	29.26
9	0.366	0.733	49.93
9	0.369	0.95	38.84
9	0.38	1.46	26.03
9	0.421	3.72	11.32
9	0.49	1.29	37.98
9	0.55	2.04	26.96
9	0.569	4.57	12.45
9	0.57	3.19	17.87
9	0.62	1.61	38.51
9	0.62	0.268	231.34
9	0.65	2.33	27.90
9	0.71	1.58	44.94
9	0.73	4.16	17.55
9	0.796	0.838	94.99
9	0.81	4.61	17.57
9	0.83	6.14	13.52
9	1.05	2.83	37.10
9	1.22	6.36	19.18
9	1.31	0.66	198.48
9	1.39	13.4	10.37
9	1.43	7.54	18.97
9	1.46	2.69	54.28
9	1.5	1.59	94.34
9	1.5	0.71	211.27
9	1.53	8.36	18.30
9	1.54	15.9	9.69
9	1.55	11.7	13.25
9	1.63	5.65	28.85
9	1.7	10.9	15.60
9	1.71	5.31	32.20
9	1.73	7.83	22.09

Sediment and TOC Data Used in Calculation of BSAF

9	1.73	6.42	26.95
9	1.74	15.3	11.37
9	1.74	8.14	21.38
9	1.804	15.6	11.56
9	1.83	8	22.88
9	1.83	6.18	29.61
9	1.84	8.26	22.28
9	1.86	9.14	20.35
9	1.88	6.43	29.24
9	1.9	23.5	8.09
9	1.91	7.19	26.56
9	1.99	5.49	36.25
9	2.06	8.83	23.33
9	2.09	9.58	21.82
9	2.13	7.21	29.54
9	2.16	8.32	25.96
9	2.22	4.02	55.22
9	2.38	5.45	43.67
9	2.4	8.15	29.45
9	2.41	8.79	27.42
9	2.42	39.8	6.08
9	2.5	10.1	24.75
9	2.5	9.24	27.06
9	2.59	4.99	51.90
9	2.61	14.8	17.64
9	2.65	13.3	19.92
9	2.68	10.2	26.27
9	2.69	13.8	19.49
9	2.69	9.73	27.65
9	2.8	8.29	33.78
9	2.81	5.59	50.27
9	3.01	7.3	41.23
9	3.02	9.85	30.66
9	3.02	5.82	51.89
9	3.07	10.5	29.24
9	3.1	11.7	26.50
9	3.1	6.37	48.67
9	3.13	10.1	30.99
9	3.15	10.6	29.72
9	3.16	9.43	33.51
9	3.28	10.1	32.48
9	3.37	7.49	44.99
9	3.38	6.44	52.48
9	3.6	8.26	43.58
9	3.6	7.13	50.49
9	3.7	0.84	440.48
9	3.71	5.81	63.86
9	3.72	1.07	347.66
9	3.9	7.65	50.98

Sediment and TOC Data Used in Calculation of BSAF

9	3.95	8.04	49.13
9	4.56	4.76	95.80
9	4.6	5.86	78.50
9	4.9	10.65	46.01
9	5.3	16.9	31.36
9	5.5	2.48	221.77
9	5.6	31.8	17.61
9	6.5	1.99	326.63
9	7	9.45	74.07
9	7.2	9.82	73.32
9	9.4	6.12	153.59
9	15	7.39	202.98
9	41.3	6.31	654.52
9	49	6.74	727.00
9	73	8.34	875.30
10	0.0265	0.23	11.52
10	0.027	0.042	64.29
10	0.036	0.86	4.19

Data for Fish Fillet and Lipid Used in Risk/Hazard Calculation and Estimates for BSAF

SPECIES	ABSA	PCB	FAT	PCBNORM
CARP	1	0.055	1.08	5.09
CARP	1	0.055	0.81	6.79
CARP	1	0.055	0.77	7.14
CARP	1	0.057	1.44	3.96
CARP	1	0.058	0.46	12.61
CARP		0.083	1.44	5.76
CARP	1	0.09	1.21	7.44
CARP	1	0.09	0.35	25.71
CARP	1	0.101	1.3	7.77
CARP	1	0.102	1.42	7.18
CARP	1	0.169	3.19	5.30
CARP	2	0.083	0.16	51.88
CARP	2	0.168	0.22	76.36
CARP	2	0.3	0.69	43.48
CARP	2	0.34	1.07	31.78
CARP	2	0.35	0.67	52.24
CARP	2	0.42	0.95	44.21
CARP	2	0.45	0.4	112.50
CARP	2	0.63	0.86	73.26
CARP	2	1	1.31	76.34
CARP	2	1.12	1.05	106.67
CARP	2	1.9	4.24	44.81
CARP	3	1.4	0.89	157.30
CARP	3	2.72	1.85	147.03
CARP	3	3.04	3.49	87.11
CARP	3	3.25	7.4	43.92
CARP	3	3.4	6.82	49.85
CARP	3	3.51	3.6	97.50
CARP	3	4.1	1.89	216.93
CARP	3	4.26	1.73	246.24
CARP	3	7.3	4.75	153.68
CARP	3	7.5	3.31	226.59
CARP	3	8.2	3.26	251.53
CARP	4	1.17	0.74	158.11
CARP	4	2.59	4.32	59.95
CARP	4	4.09	2.22	184.23
CARP	4	4.98	3.76	132.45
CARP	4	5.21	2.84	183.45
CARP	4	7.2	5.07	142.01
CARP	4	7.23	7.73	93.53
CARP	4	7.3	8.56	85.28
CARP	4	8.35	8.88	94.03
CARP	4	11.36	9.1	124.84
CARP	4	12.6	13.83	91.11
CARP	5	1.44	1.42	101.41
CARP	5	2.14	2.6	82.31
CARP	5	2.26	2.21	102.26
CARP	5	3	3.95	75.95

Data for Fish Fillet and Lipid Used in Risk/Hazard Calculation and Estimates for BSAF

CARP	5	4.9	4.09	119.80
CARP	5	5.7	5.9	96.61
CARP	5	6	2.86	209.79
CARP	5	6.7	12.03	55.69
CARP	5	6.7	3.84	174.48
CARP	5	7.9	7.04	112.22
CARP	5	17.2	11.53	149.18
CARP	6	1.05	1.18	88.98
CARP	6	1.15	0.81	141.98
CARP	6	1.41	0.89	158.43
CARP	6	1.44	7.67	18.77
CARP	6	1.89	4.91	38.49
CARP	6	2.98	0.95	313.68
CARP	6	3.5	1.86	188.17
CARP	6	4.16	1.33	312.78
CARP	6	4.97	1.57	316.56
CARP	6	7.3	7.83	93.23
CARP	6	8.03	2.5	321.20
CARP	7	0.56	0.94	59.57
CARP	7	0.71	3.88	18.30
CARP	7	0.99	0.8	123.75
CARP	7	1.15	0.9	127.78
CARP	7	1.93	1.78	108.43
CARP	7	2.6	2.51	103.59
CARP	7	2.84	1.06	267.92
CARP	7	3.14	2.01	156.22
CARP	7	3.9	2.76	141.30
CARP	7	5.4	2.16	250.00
CARP	7	6.4	6.84	93.57
CARP	8	1.31	0.51	256.86
CARP	8	2.13	0.66	322.73
CARP	8	2.31	1.32	175.00
CARP	8	2.46	2.24	109.82
CARP	8	2.61	0.97	269.07
CARP	8	4.16	0.6	693.33
CARP	8	4.18	0.86	486.05
CARP	8	5.7	1.05	542.86
CARP	8	6.5	1.04	625.00
CARP	8	9.1	3.07	296.42
CARP	8	9.6	5.65	169.91
CARP	9	0.099	0.38	26.05
CARP	9	0.569	0.5	113.80
CARP	9	0.686	0.83	82.65
CARP	9	0.705	0.75	94.00
CARP	9	0.79	0.9	87.78
CARP	9	0.983	1.11	88.56
CARP	9	1.018	2.03	50.15
CARP	9	1.03	0.65	158.46
CARP	9	1.07	0.82	130.49

Data for Fish Fillet and Lipid Used in Risk/Hazard Calculation and Estimates for BSAF

CARP	9	1.08	0.53	203.77
CARP	9	1.12	1.25	89.60
CARP	9	1.16	0.55	210.91
CARP	9	1.24	2.76	44.93
CARP	9	1.33	0.95	140.00
CARP	9	1.55	0.9	172.22
CARP	9	1.93	1	193.00
CARP	9	2.35	1.03	228.16
CARP	9	2.5	1.6	156.25
CARP	9	3.64	0.9	404.44
CARP	9	6.5	2.79	232.97
CARP	9	6.5	1.8	361.11
CARP	10	1.93	1	193.00
CARP	10	2.05	20.2	10.15
CARP	10	2.79	24.8	11.25
CARP	10	4.08	2.56	159.38
CARP	10	4.36	2.6	167.69
CARP	10	6.4	2.07	309.18
CARP	10	7.93	4.52	175.44
CARP	10	10.5	18.8	55.85
CARP	10	12.2	30.7	39.74
CARP	10	14.4	4.05	355.56
CARP	10	17	2.87	592.33
CARP	11	1.39	17.9	7.77
CARP	11	2.16	10.1	21.39
CARP	11	2.58	2.37	108.86
CARP	11	2.89	22.2	13.02
CARP	11	3	3.95	75.95
CARP	11	3.5	6.75	51.85
CARP	11	3.72	4.23	87.94
CARP	11	8.5	4.9	173.47
CARP	11	8.7	6.96	125.00
CARP	11	8.88	2.66	333.83
CARP	11	9.1	7.5	121.33
CARP	12	1.52	1.3	116.92
CARP	12	1.59	0.75	212.00
CARP	12	1.99	2.24	88.84
CARP	12	2	1.07	186.92
CARP	12	2.13	1.51	141.06
CARP	12	3.06	1.26	242.86
CARP	12	3.14	1.65	190.30
CARP	12	4.31	1.41	305.67
CARP	12	4.4	2.31	190.48
CARP	12	4.69	1.62	289.51
CARP	12	8.79	1.44	610.42
SMAL	1	0.049	1.02	4.80
SMAL	1	0.064	0.82	7.80
SMAL	1	0.084	0.9	9.33
SMAL	1	0.093	1.48	6.28

Data for Fish Fillet and Lipid Used in Risk/Hazard Calculation and Estimates for BSAF

SMAL	1	0.098	0.96	10.21
SMAL	1	0.106	1.46	7.26
SMAL	1	0.131	1.06	12.36
SMAL	1	0.138	1.99	6.93
SMAL	1	0.147	1.26	11.67
SMAL	1	0.262	2.27	11.54
SMAL	1	0.309	2.33	13.26
SMAL	2	0.1	0.49	20.41
SMAL	2	0.123	0.67	18.36
SMAL	2	0.139	0.55	25.27
SMAL	2	0.153	1.52	10.07
SMAL	2	0.239	0.58	41.21
SMAL	2	0.244	0.62	39.35
SMAL	2	0.246	0.47	52.34
SMAL	2	0.267	0.44	60.68
SMAL	2	0.352	0.79	44.56
SMAL	2	0.557	1.41	39.50
SMAL	2	0.67	1.9	35.26
SMAL	3	0.384	0.52	73.85
SMAL	3	0.416	1.04	40.00
SMAL	3	0.608	0.97	62.68
SMAL	3	0.749	0.9	83.22
SMAL	3	0.75	0.56	133.93
SMAL	3	0.82	0.67	122.39
SMAL	3	0.89	1.13	78.76
SMAL	3	0.99	1.36	72.79
SMAL	3	1.39	1.49	93.29
SMAL	3	1.71	2.68	63.81
SMAL	3	3.23	2.62	123.28
SMAL	4	0.163	0.44	37.05
SMAL	4	0.283	0.43	65.81
SMAL	4	0.318	0.66	48.18
SMAL	4	0.438	0.62	70.65
SMAL	4	0.44	0.32	137.50
SMAL	4	0.55	0.66	83.33
SMAL	4	0.56	1.49	37.58
SMAL	4	0.574	0.78	73.59
SMAL	4	0.623	0.91	68.46
SMAL	4	0.625	1.34	46.64
SMAL	4	0.72	1.14	63.16
SMAL	5	0.678	0.81	83.70
SMAL	5	1.32	0.61	216.39
SMAL	5	1.352	1	135.20
SMAL	5	1.44	0.85	169.41
SMAL	5	1.48	0.8	185.00
SMAL	5	1.58	1.04	151.92
SMAL	5	1.66	2.36	70.34
SMAL	5	1.74	1.39	125.18
SMAL	5	2.2	1.38	159.42

Data for Fish Fillet and Lipid Used in Risk/Hazard Calculation and Estimates for BSAF

SMAL	5	2.26	1.03	219.42
SMAL	5	3.89	1.55	250.97
SMAL	6	0.274	3.73	7.35
SMAL	6	0.319	1.42	22.46
SMAL	6	0.359	0.81	44.32
SMAL	6	0.59	0.84	70.24
SMAL	6	0.63	0.85	74.12
SMAL	6	0.74	3.08	24.03
SMAL	6	0.9	0.51	176.47
SMAL	6	1.04	1	104.00
SMAL	6	1.05	1.66	63.25
SMAL	6	1.28	1.8	71.11
SMAL	6	3.66	1.44	254.17
SMAL	7	0.39	0.26	150.00
SMAL	7	0.535	0.51	104.90
SMAL	7	0.721	0.5	144.20
SMAL	7	1.07	0.74	144.59
SMAL	7	1.203	0.56	214.82
SMAL	7	1.42	1.42	100.00
SMAL	7	1.68	0.69	243.48
SMAL	7	1.68	0.5	336.00
SMAL	7	1.85	1.34	138.06
SMAL	7	1.98	1.05	188.57
SMAL	7	3.73	1.92	194.27
SMAL	8	0.74	0.34	217.65
SMAL	8	1.159	0.61	190.00
SMAL	8	1.51	0.96	157.29
SMAL	8	1.51	0.78	193.59
SMAL	8	1.55	0.36	430.56
SMAL	8	1.58	0.52	303.85
SMAL	8	1.77	0.58	305.17
SMAL	8	2.17	1.19	182.35
SMAL	8	2.51	1.11	226.13
SMAL	8	2.75	1.59	172.96
SMAL	8	4.19	1.63	257.06
SMAL	9	1.58	1.23	128.46
SMAL	9	1.76	1.85	95.14
SMAL	9	2.14	2.37	90.30
SMAL	9	2.18	2.23	97.76
SMAL	9	3	3.72	80.65
SMAL	9	3.2	2.33	137.34
SMAL	9	3.4	4.06	83.74
SMAL	9	3.4	1.66	204.82
SMAL	9	4.05	4.71	85.99
SMAL	9	5.7	3.65	156.16
SMAL	9	5.8	4.26	136.15
SMAL	10	1.05	0.87	120.69
SMAL	10	1.47	2.68	54.85
SMAL	10	1.56	0.93	167.74

Data for Fish Fillet and Lipid Used in Risk/Hazard Calculation and Estimates for BSAF

SMAL	10	1.699	1.19	142.77
SMAL	10	1.72	1.69	101.78
SMAL	10	1.95	1.71	114.04
SMAL	10	2.11	2	105.50
SMAL	10	2.2	2.65	83.02
SMAL	10	2.23	1.59	140.25
SMAL	10	2.4	2.2	109.09
SMAL	10	2.42	1.93	125.39
SMAL	11	0.13	0.73	17.81
SMAL	11	0.311	0.66	47.12
SMAL	11	0.44	0.8	55.00
SMAL	11	0.47	0.69	68.12
SMAL	11	0.478	1.37	34.89
SMAL	11	0.48	0.52	92.31
SMAL	11	0.576	1.06	54.34
SMAL	11	0.59	0.94	62.77
SMAL	11	0.79	0.73	108.22
SMAL	11	0.81	1.11	72.97
SMAL	11	0.83	0.92	90.22