	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	**FOOD WEB (PRG) MODEL REQUIRED INPUTS**																	
2	**PARAMETER DESCRIPTION**	**Symbol**	**Units**	**General**	**PHY (2)**	**ZOO (3)**	**BIF (4)**	**BIC (5)**	**EIC (6)**	**SCL (7)**	**LSS (8)**	**CAR (9)**	**SMB (10)**	**NPM (11)**				
3	**Physical / Chemical Parameters**																	
4	Octanol-water partition coefficient	KOW	kg/L	6.30	Aroclor 1242-1260, Windward 2005													
5	Organic carbon content of sediment	OCSS	unitless	0.006	-8.11	-2.12	-5.12		Windward 2005									
6	Henry's Law constant	H	Pa.m3/mol	43.3	Windward 2005													
7	Mean water temperature	TW	C	13.83	bimodal distribution based on USGS data from RM 12.8													
8	Concentration of suspended soilds	CPW	kg/L	1.13E-05	Windward 2005													
9	Total concentration in water	CWT	ng/L	4.19E-01	Windward 2005													
10	Bioavailable concentration in water	CWB	ng/g	2.42E-04	model calculation													
11	Concentration in sediment solids	CST	ng/g	1.00	SWAC - Windward 2005													
12	Concentration in sediment porewater	CSD	ng/g	2.15E-04	model calculation													
13	Density of sediment OC	DOCS	kg/L	0.9	default point estimate													
14																		
15	**Bioavailable Fraction Parameters**																	
16	Particulate OC concentration in water	XPOC	kg/L	6.20E-07														
17	POC proportionality constant	aPOC	unitless	0.45														
18	Dissolved OC concentration in water	XDOC	kg/L	2.40E-06														
19	DOC proportionality constant	aDOC	unitless	0.036														
20	Bioavailable solute fraction	BSF	unitless	0.576	model calculation													
21																		
22	**General Biological Parameters**																	
23	Uptake constant A for organism	UA	unitless	0.00006	point estimate; Arnot & Gobas 2004													
24	Uptake constant B for organism	UB	unitless	5.50	point estimate; Arnot & Gobas 2004													
25	Dietary transfer efficiency constant A	EDA	unitless	3.00E-07	point estimate; Arnot & Gobas 2004													
26	Dietary transfer efficiency constant B	EDB	unitless	2.00	point estimate; Arnot & Gobas 2004													
27	NOLM-octanol proportionality constant	BETA	unitless	0.028	point estimate; Arnot & Gobas 2004													
28	NOLC-octanol proportionality constant	GAMMA	unitless	0.350	point estimate; Arnot & Gobas 2005													
29																		
30	**Organism-Specific Biological Parameters**				**PHY (2)**	**ZOO (3)**	**BIF (4)**	**BIC (5)**	**EIC (6)**	**SCL (7)**	**LSS (8)**	**CAR (9)**	**SMB (10)**	**NPM (11)**				
31	Weight	WB	kg			1.32E-07	3.25E-03	3.70E-06	0.041	0.022	0.806	2.470	0.652	0.580				
32	Lipid fraction of organism	VLB	fraction		0.001	0.010	0.013	0.010	0.007	0.041	0.071	0.093	0.044	0.052				
33	Water content fraction of organism	VWB	fraction		0.964	0.900	0.881	0.800	0.732	0.758	0.716	0.693	0.733	0.714				
34	Dietary absorption efficiency of lipid	eL	unitless			0.72	0.75	0.75	0.75	0.92	0.92	0.92	0.92	0.92	point estimate; Arnot & Gobas 2004			
35	Dietary absorption efficiency of NLOM	eN	unitless			0.72	0.75	0.75	0.75	0.55	0.55	0.55	0.55	0.55	point estimate; Arnot & Gobas 2004			
36	Dietary absorption efficiency of water	eW	unitless			0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	point estimate; Arnot & Gobas 2004			
37	Fraction of pore water ventilated	FPW	unitless		0.00	0.00	0.03	0.05	0.00	0.06	0.08	0.08	0.00	0.00				
38	Filter feeder scavenging efficiency	SCV	unitless				1.00											
39																		
40	**Organism-Specific Rate Constants**																	
41	Growth rate constant	KG	1/d		0.08													
42	Metabolic rate constant	KM	1/d			0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	Assumed 0 for PCBs			
43																		
44					**PHY (2)**	**ZOO (3)**	**BIF (4)**	**BIC (5)**	**EIC (6)**	**SCL (7)**	**LSS (8)**	**CAR (9)**	**SMB (10)**	**NPM (11)**				
45	**Tissue Concentration Outputs**	CB	ug/kg		5	7	12	9	27	83	148	291	188	139	model forecast			
46							#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	model 5th percentile			
47							**#NAME?**	**#NAME?**	**#NAME?**	**#NAME?**	**#NAME?**	**#NAME?**	**#NAME?**	**#NAME?**	model mean			
48							#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	model 95th percentile			
49							62		2	62	95	230	90	370	Windward min			
50							**86**		**30**	**562**	**819**	**1638**	**1113**	**833**	Windward mean			
51							120		280	3360	2020	6500	4500	1800	Windward max			

Cell: D4
Comment: Assumption: KOW
Uniform distribution
Minimum 5.60
Maximum 6.80

Cell: G5
Comment: Assumption: ln(OCSS)
Uniform distribution
Minimum -8.11 (=E5)
Maximum -2.12 (=F5)

Cell: D7
Comment: Assumption: TW
Custom distribution

Cell: D8
Comment: Assumption: CPW
Triangular distribution
Minimum 2.00E-6
Likeliest 2.00E-6
Maximum 3.00E-5
Selected range is
from 2.00E-6 to 3.00E-5

Cell: D9
Comment: Assumption: ng/L
Uniform distribution
Minimum 2.29E-1
Maximum 6.09E-1

Cell: D16
Comment: Assumption: XPOC
Triangular distribution
Minimum 2.00E-7
Likeliest 4.00E-7
Maximum 1.26E-6
Selected range is
from 2.00E-7 to 1.26E-6

Cell: D17
Comment: Assumption: aPOC
Triangular distribution
Minimum 0.14
Likeliest 0.35
Maximum 0.87
Selected range is
from 0.14 to 0.87

Cell: D18
Comment: Assumption: XDOC
Triangular distribution
Minimum 8.00E-7
Likeliest 1.60E-6
Maximum 4.80E-6
Selected range is
from 8.00E-7 to 4.80E-6

Cell: D19
Comment: Assumption: aDOC
Triangular distribution
Minimum 0.01
Likeliest 0.03
Maximum 0.07
Selected range is
from 0.01 to 0.07

Cell: F31
Comment: Assumption: WB zoo
Uniform distribution
Minimum 3.30E-8
Maximum 2.30E-7

Cell: G31

Comment: Assumption: WB BI FF
Uniform distribution
Minimum 5.00E-4
Maximum 6.00E-3

Cell: H31
Comment: Assumption: WB BI infauna
Uniform distribution
Minimum 1.40E-6
Maximum 6.00E-6

Cell: I31
Comment: Assumption: WB cry
Uniform distribution
Minimum 0.034
Maximum 0.048

Cell: J31
Comment: Assumption: WB scl
Uniform distribution
Minimum 0.014
Maximum 0.030

Cell: K31
Comment: Assumption: WB lss
Uniform distribution
Minimum 0.748
Maximum 0.864

Cell: L31
Comment: Assumption: WB car
Uniform distribution
Minimum 2.150
Maximum 2.790

Cell: M31
Comment: Assumption: WB smb
Triangular distribution
Minimum 0.264
Likeliest 0.462
Maximum 1.230
Selected range is
from 0.264 to 1.230

Cell: N31
Comment: Assumption: WB npm
Uniform distribution
Minimum 0.440
Maximum 0.719

Cell: E32
Comment: Assumption: VLB PHY
Triangular distribution
Minimum 0.001
Likeliest 0.001
Maximum 0.002
Selected range is
from 0.001 to 0.002

Cell: F32
Comment: Assumption: VLB zoo
Uniform distribution
Minimum 0.009
Maximum 0.011

Cell: G32
Comment: Assumption: VLB BI FF
Uniform distribution
Minimum 0.008
Maximum 0.017

Cell: H32
Comment: Assumption: VLB BI infauna
Uniform distribution

Minimum 0.008
Maximum 0.012

Cell: I32
Comment: Assumption: VLB cry
Uniform distribution
Minimum 0.002
Maximum 0.013

Cell: J32
Comment: Assumption: VLB scl
Uniform distribution
Minimum 0.022
Maximum 0.060

Cell: K32
Comment: Assumption: VLB lss
Uniform distribution
Minimum 0.054
Maximum 0.087

Cell: L32
Comment: Assumption: VLB car
Uniform distribution
Minimum 0.056
Maximum 0.130

Cell: M32
Comment: Assumption: VLB smb
Uniform distribution
Minimum 0.015
Maximum 0.072

Cell: N32
Comment: Assumption: VLB npm
Uniform distribution
Minimum 0.023
Maximum 0.081

Cell: E33
Comment: Assumption: VWB phy
Uniform distribution
Minimum 0.935
Maximum 0.993

Cell: F33
Comment: From Windward 2005

Cell: G33
Comment: Assumption: VWB BI FF
Uniform distribution
Minimum 0.872
Maximum 0.890

Cell: I33
Comment: Assumption: VWB cry
Uniform distribution
Minimum 0.693
Maximum 0.771

Cell: J33
Comment: Assumption: VWB scl
Uniform distribution
Minimum 0.728
Maximum 0.787

Cell: K33
Comment: Assumption: VWB lss
Uniform distribution
Minimum 0.697
Maximum 0.734

Cell: L33
Comment: Assumption: VWB car

Uniform distribution
Minimum 0.665
Maximum 0.720

Cell: M33
Comment: Assumption: VWB smb
Uniform distribution
Minimum 0.680
Maximum 0.785

Cell: N33
Comment: Assumption: VWB npm
Uniform distribution
Minimum 0.684
Maximum 0.744

Cell: G37
Comment: Assumption: FSW BI FF
Uniform distribution
Minimum 0.01
Maximum 0.05

Cell: H37
Comment: Assumption: FSW BI infauna
Uniform distribution
Minimum 0.01
Maximum 0.09

Cell: J37
Comment: Assumption: FSW scl
Uniform distribution
Minimum 0.05
Maximum 0.07

Cell: K37
Comment: Assumption: FSW lss
Uniform distribution
Minimum 0.05
Maximum 0.10

Cell: L37
Comment: Assumption: FSW car
Uniform distribution
Minimum 0.05
Maximum 0.10

Cell: E41
Comment: Assumption: KG2
Uniform distribution
Minimum 0.03
Maximum 0.13

Cell: E45
Comment: Forecast: CB phy

Cell: F45
Comment: Forecast: CB zoo

Cell: G45
Comment: Forecast: CB BIF

Cell: H45
Comment: Forecast: CB BIC

Cell: I45
Comment: Forecast: CB EIC

Cell: J45
Comment: Forecast: CB scl

Cell: K45
Comment: Forecast: CB lss

Cell: L45

Comment: Forecast: CB car

Cell: M45
Comment: Forecast: CB smb

Cell: N45
Comment: Forecast: CB npm