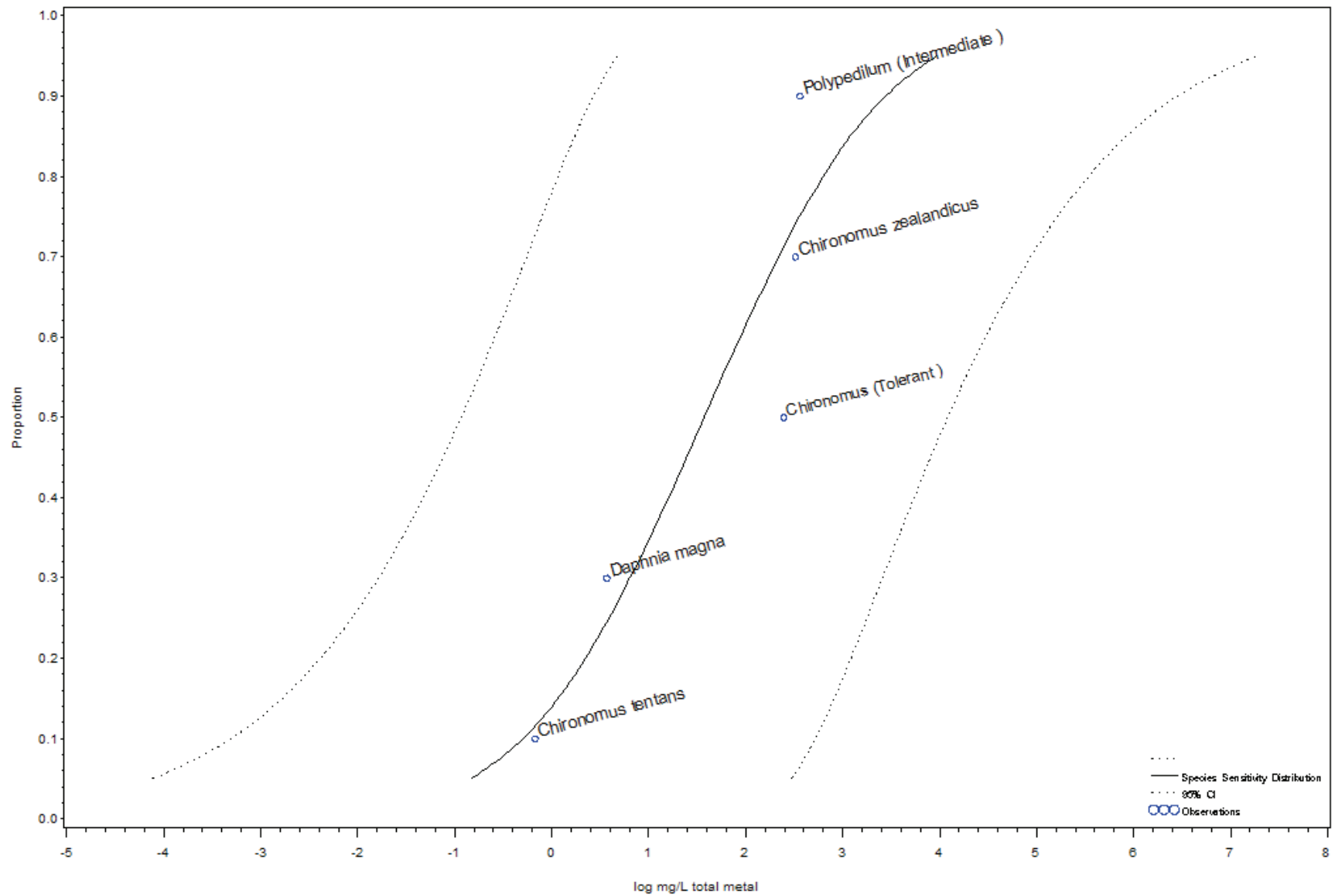


APPENDIX D
Invertebrate Species Sensitivity Distributions

Arsenic SSD for Invertebrates - in water at T<=15C over moderate (1-3 days) exposure



Species Sensitivity Distribution (SSD 4) data for Invertebrate species exposed to arsenic in water at T<=15C over moderate (1-3 days) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
5	0.68679	3.91782	0.80909	1.57570	6.57784	3	0.24403

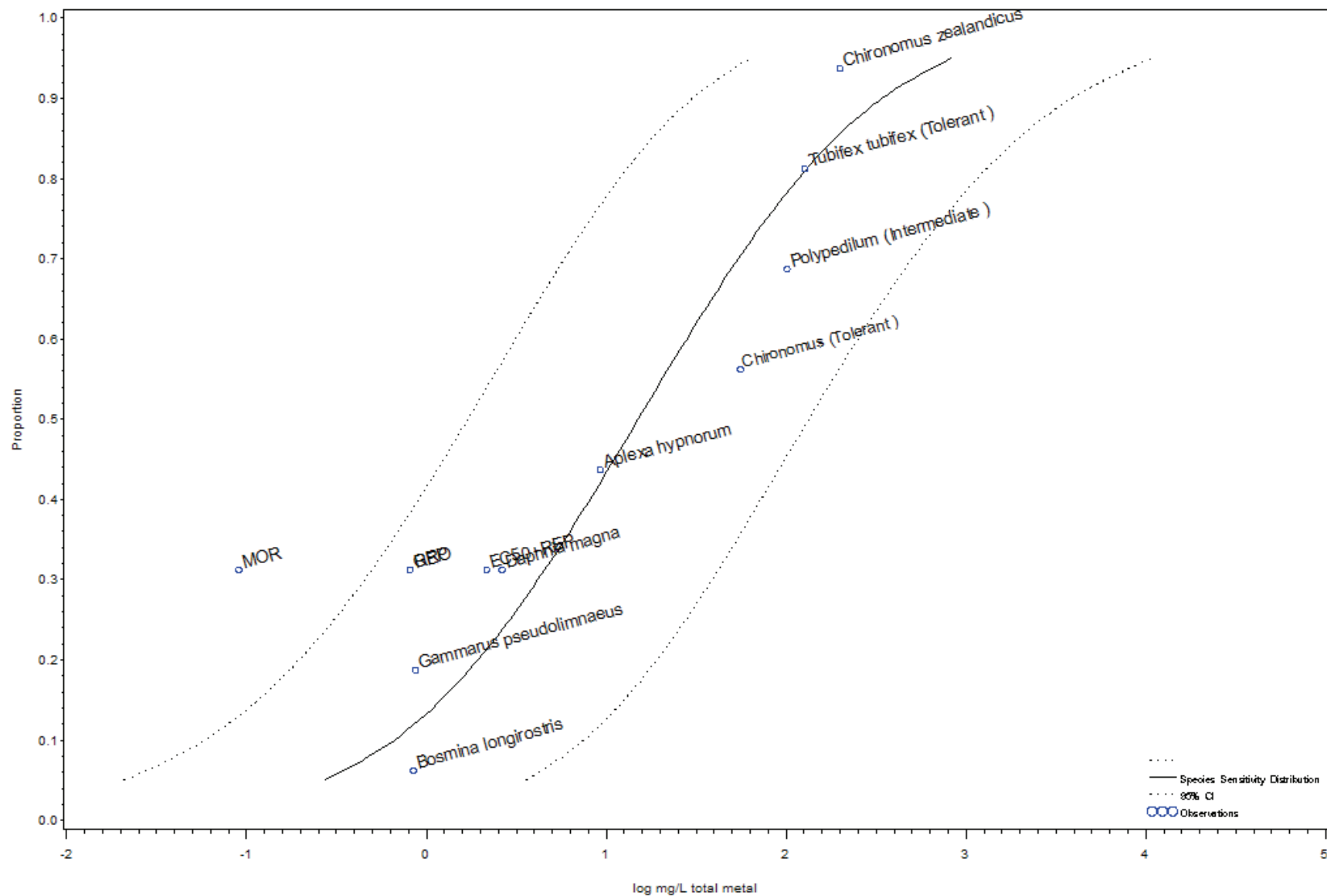
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.15	41.43	0.0006	-0.81928	1.61730	-3.25587	273.263
0.10	3.71845	0.51	86.24	0.0030	-0.29030	1.93571	-2.51631	168.265
0.20	4.15838	2.24	236.19	0.0212	0.35026	2.37326	-1.67274	105.428
0.25	4.32551	3.92	361.34	0.0426	0.59361	2.55792	-1.37070	92.100
0.30	4.47560	6.49	541.62	0.0777	0.81215	2.73369	-1.10940	83.461
0.50	5.00000	37.64	2691.44	0.5265	1.57570	3.42998	-0.27859	71.483
0.75	5.67449	361.23	33273.31	3.9217	2.55779	4.52210	0.59348	92.100
0.90	6.28155	2765.02	465270.61	16.4320	3.44170	5.66771	1.21569	168.265
0.95	6.64485	9347.21	2554279.72	34.2055	3.97068	6.40727	1.53410	273.263

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.5	5.00000	Chironomus (Tolerant)	249.334	2.39678	0.78324	0.32679
0.1	3.71845	Chironomus tentans	0.680	-0.16749	.	.
0.7	5.52440	Chironomus zealandicus	327.856	2.51568	1.09061	0.43353
0.3	4.47560	Daphnia magna	3.728	0.57147	0.33395	0.58438
0.9	6.28155	Polypedilum (Intermediate)	364.801	2.56206	0.66660	0.26018

Arsenic SSD for Invertebrates - in water at T>15C over long (3-30 days) exposure



Species Sensitivity Distribution (SSD 5) data for Invertebrate species exposed to arsenic in water at T>15C over long (3-30 days) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
8	0.94455	3.88763	0.89530	1.17767	6.83227	6	0.11881

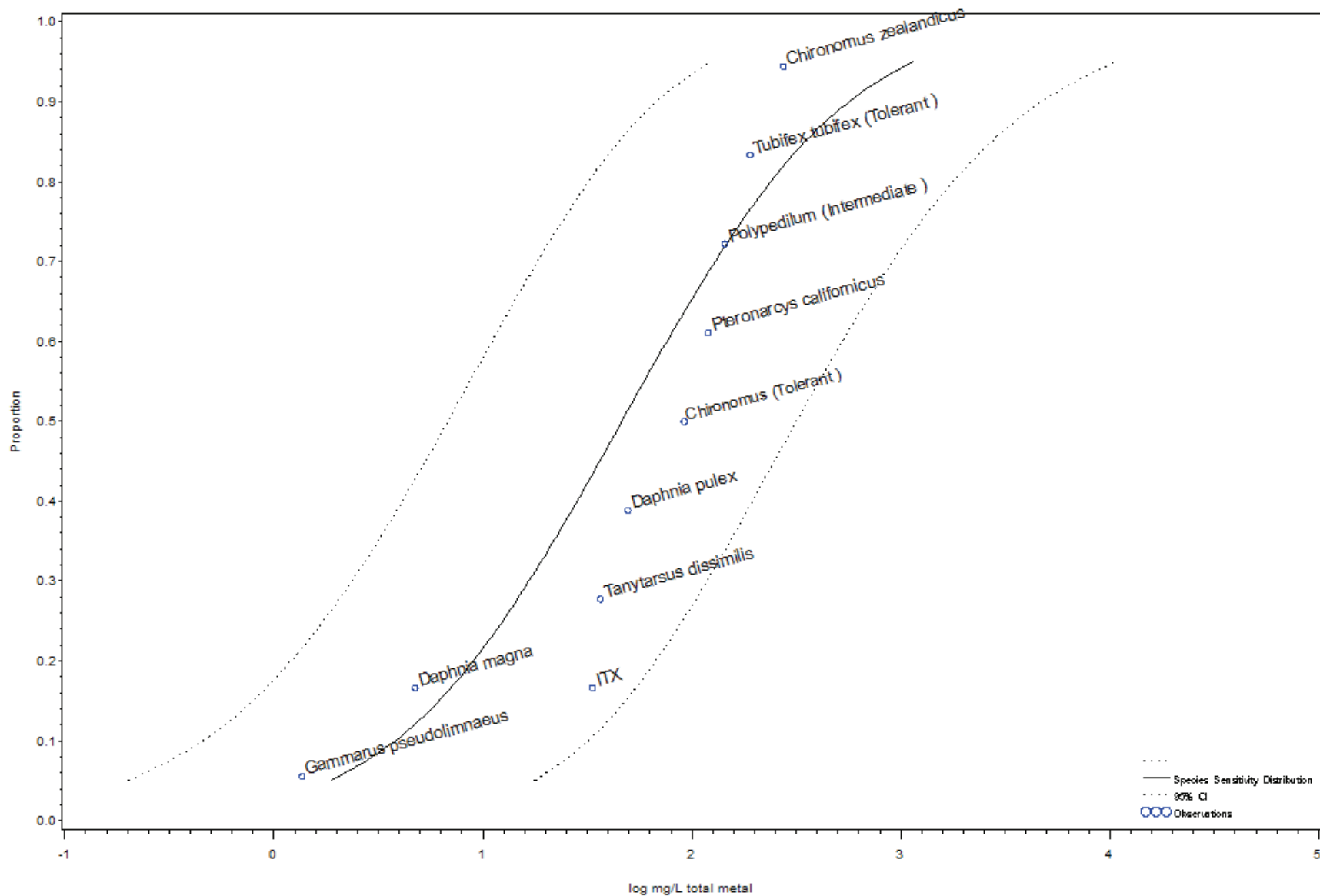
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.273	2.11	0.035	-0.56375	0.32443	-1.45192	7.60055
0.10	3.71845	0.662	4.55	0.096	-0.17912	0.65823	-1.01647	6.73078
0.20	4.15838	1.935	11.93	0.314	0.28664	1.07664	-0.50336	6.00381
0.25	4.32551	2.908	17.39	0.486	0.46358	1.24024	-0.31308	5.81221
0.30	4.47560	4.193	24.52	0.717	0.62248	1.38953	-0.14456	5.67753
0.50	5.00000	15.055	85.07	2.664	1.17767	1.92978	0.42555	5.47388
0.75	5.67449	77.939	466.03	13.034	1.89175	2.66842	1.11509	5.81221
0.90	6.28155	342.337	2353.99	49.786	2.53445	3.37180	1.69711	6.73078
0.95	6.64485	830.012	6415.92	107.377	2.91908	3.80726	2.03091	7.60055

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.4375	4.84269	Aplexa hypnorum	9.280	0.96755	.	.
0.0625	3.46588	Bosmina longirostris	0.850	-0.07058	.	.
0.5625	5.15731	Chironomus (Tolerant)	55.946	1.74777	0.73845	0.42251
0.9375	6.53412	Chironomus zealandicus	199.731	2.30045	0.81187	0.35292
0.3125	4.51122	Daphnia magna	2.647	0.42281	0.23236	0.54957
0.3125	.	-->EC50 -REP	.	0.33647	.	.
0.3125	.	-->GRO	.	-0.08983	0.51966	.
0.3125	.	-->MOR	.	-1.04157	.	.
0.3125	.	-->REP	.	-0.08983	0.51966	.
0.1875	4.11285	Gammarus pseudolimnaeus	0.874	-0.05824	0.00035	0.00603
0.6875	5.48878	Polypedilum (Intermediate)	101.523	2.00656	0.73402	0.36581
0.8125	5.88715	Tubifex tubifex (Tolerant)	127.360	2.10503	.	.

Arsenic SSD for Invertebrates - in water at T>15C over moderate (1-3 days) exposure



Species Sensitivity Distribution (SSD 6) data for Invertebrate species exposed to arsenic in water at T>15C over moderate (1-3 days) exposure

Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
9	1.18173	3.03085	0.85981	1.66633	4.80405	7	0.15627

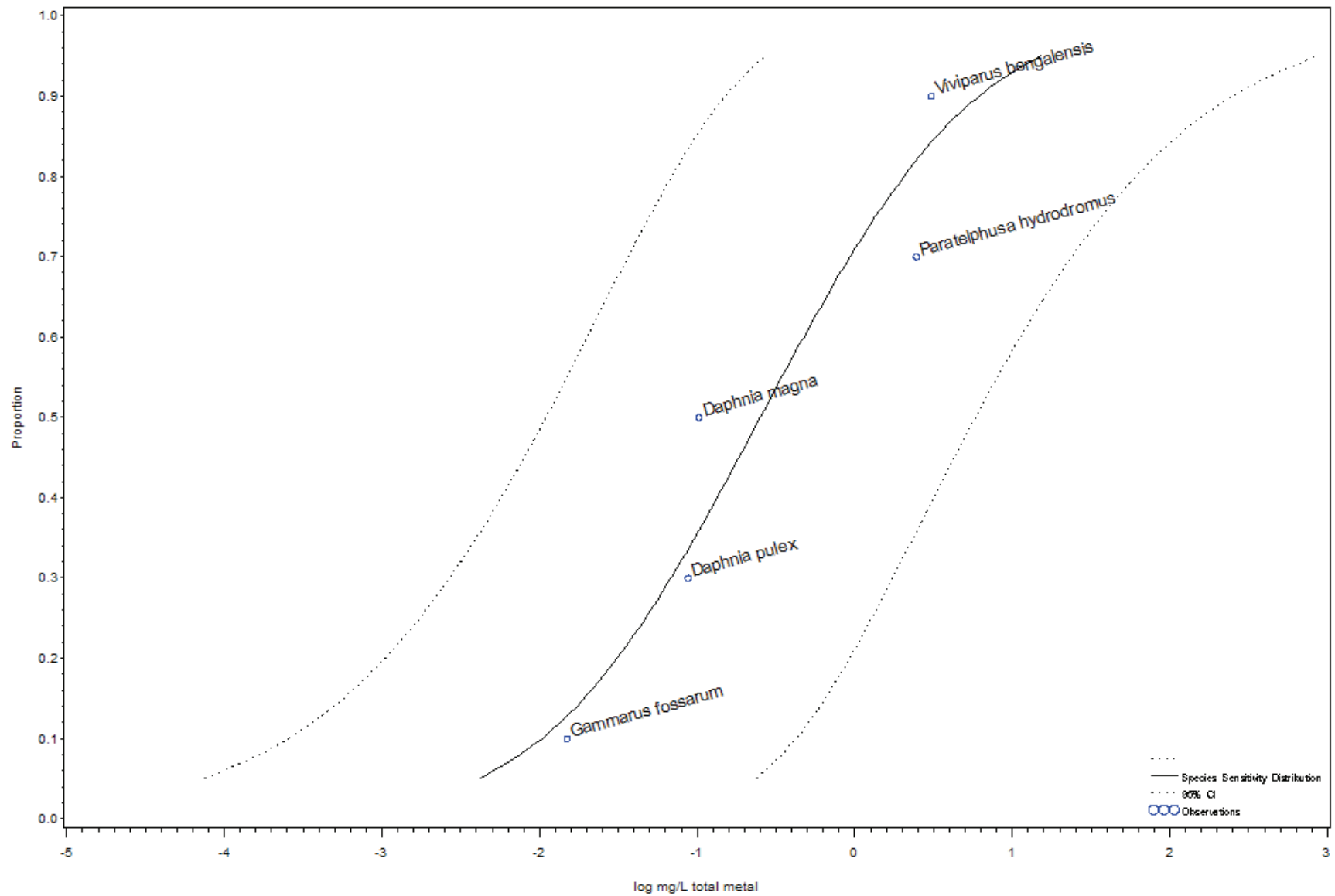
Predicted Values

Proportion Species	Probt	Central Tendency	log			log UpperCI	log LowerCI	Relative CIBreadth
			UpperCI	LowerCI	Central Tendency			
0.05	3.35515	1.88	11.33	0.312	0.27443	1.05435	-0.50549	5.85848
0.10	3.71845	3.82	20.89	0.698	0.58186	1.31984	-0.15612	5.28714
0.20	4.15838	9.00	45.00	1.799	0.95413	1.65320	0.25506	4.80119
0.25	4.32551	12.46	60.77	2.555	1.09556	1.78370	0.40743	4.67173
0.30	4.47560	16.69	79.95	3.486	1.22257	1.90283	0.54231	4.58037
0.50	5.00000	46.38	215.96	9.960	1.66633	2.33438	0.99828	4.44164
0.75	5.67449	172.62	841.83	35.396	2.23709	2.92522	1.54896	4.67173
0.90	6.28155	563.37	3081.61	102.994	2.75079	3.48878	2.01281	5.28714
0.95	6.64485	1143.47	6888.81	189.805	3.05823	3.83814	2.27831	5.85848

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.50000	5.00000	Chironomus (Tolerant)	92.075	1.96414	0.76599	0.38999
0.94444	6.59322	Chironomus zealandicus	274.916	2.43920	0.77694	0.31852
0.16667	4.03258	Daphnia magna	4.759	0.67750	0.47566	0.70209
0.38889	4.71778	Daphnia pulex	49.600	1.69548	.	.
0.05556	3.40678	Gammarus pseudolimnaeus	1.371	0.13708	0.18877	1.37709
0.72222	5.58946	Polypedilum (Intermediate)	144.447	2.15971	0.77644	0.35951
0.61111	5.28222	Pteronarcys californicus	120.000	2.07918	.	.
0.27778	4.41054	Tanytarsus dissimilis	36.700	1.56467	.	.
0.83333	5.96742	Tubifex tubifex (Tolerant)	190.540	2.27999	.	.

Cadmium SSD for Invertebrates - in hard water at T>15C over moderate (1-3 days) exposure



Species Sensitivity Distribution (SSD 19) data for Invertebrate species exposed to cadmium in hard water at T>15C over moderate (1-3 days) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
5	0.92520	5.55275	0.89781	-0.59744	4.02208	3	0.13063

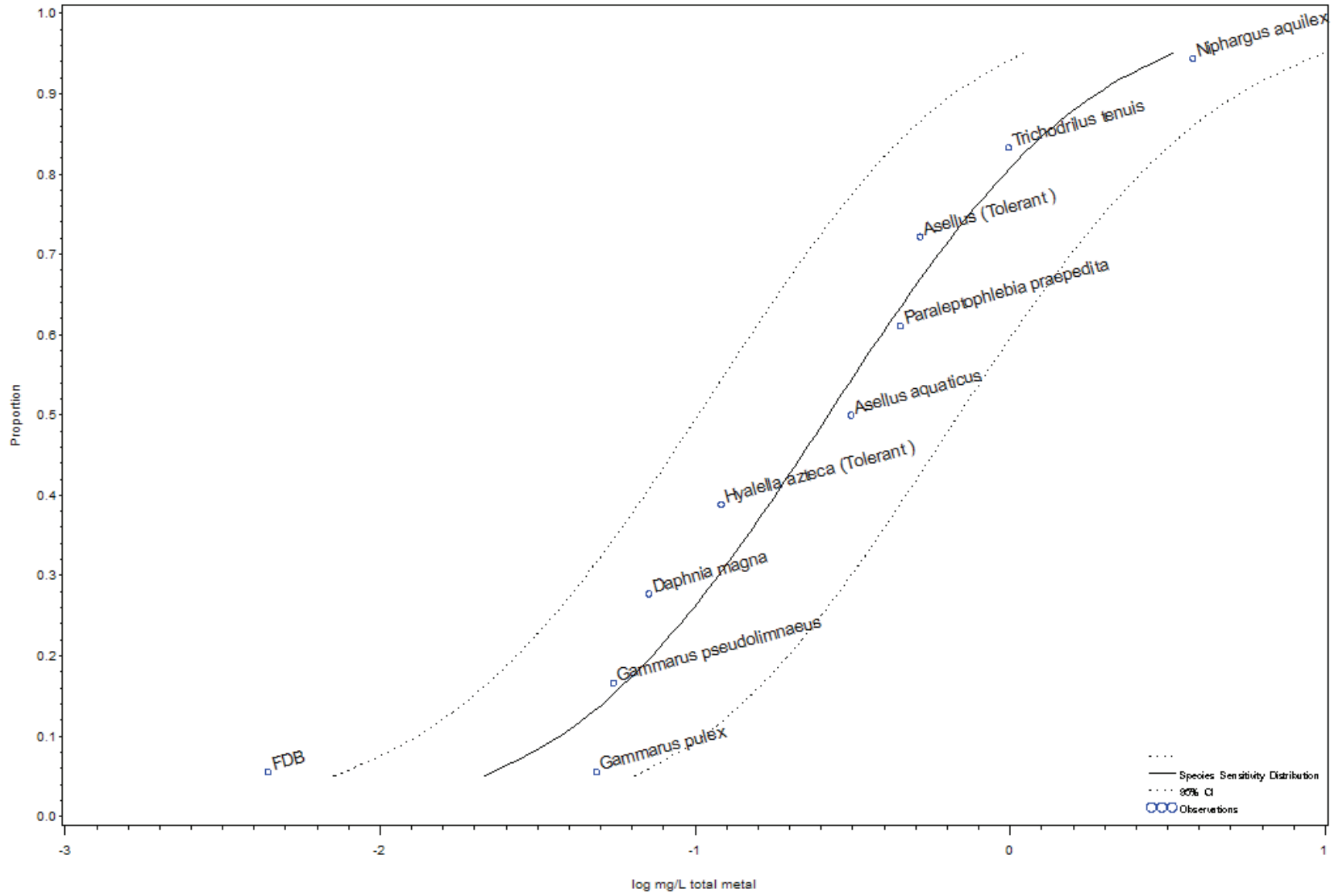
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.0042	0.083	0.00021	-2.37528	-1.07975	-3.67080	19.6975
0.10	3.71845	0.0104	0.161	0.00067	-1.98260	-0.79206	-3.17315	15.4431
0.20	4.15838	0.0311	0.383	0.00253	-1.50710	-0.41711	-2.59710	12.2214
0.25	4.32551	0.0472	0.543	0.00410	-1.32646	-0.26538	-2.38754	11.4233
0.30	4.47560	0.0685	0.751	0.00625	-1.16424	-0.12418	-2.20429	10.8750
0.50	5.00000	0.2527	2.568	0.02486	-0.59744	0.40964	-1.60452	10.0660
0.75	5.67449	1.3539	15.584	0.11763	0.13159	1.19267	-0.92949	11.4233
0.90	6.28155	6.1338	95.120	0.39554	0.78773	1.97827	-0.40281	15.4431
0.95	6.64485	15.1497	299.178	0.76715	1.18040	2.47593	-0.11512	19.6975

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.5	5.00000	Daphnia magna	0.10312	-0.98666	0.85148	0.86299
0.3	4.47560	Daphnia pulex	0.08788	-1.05611	.	.
0.1	3.71845	Gammarus fossarum	0.01500	-1.82391	.	.
0.7	5.52440	Paratelphusa hydrodromus	2.46869	0.39247	0.32984	0.84041
0.9	6.28155	Viviparus bengalensis	3.06920	0.48703	0.10712	0.21994

Cadmium SSD for Invertebrates - in moderately hard water at T<=15C over long (3-30 days) exposure



Species Sensitivity Distribution (SSD 20) data for Invertebrate species exposed to cadmium in moderately hard water at T<=15C over long (3-30 days) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
9	1.50435	5.86832	0.94417	-0.57720	3.25535	7	0.062229

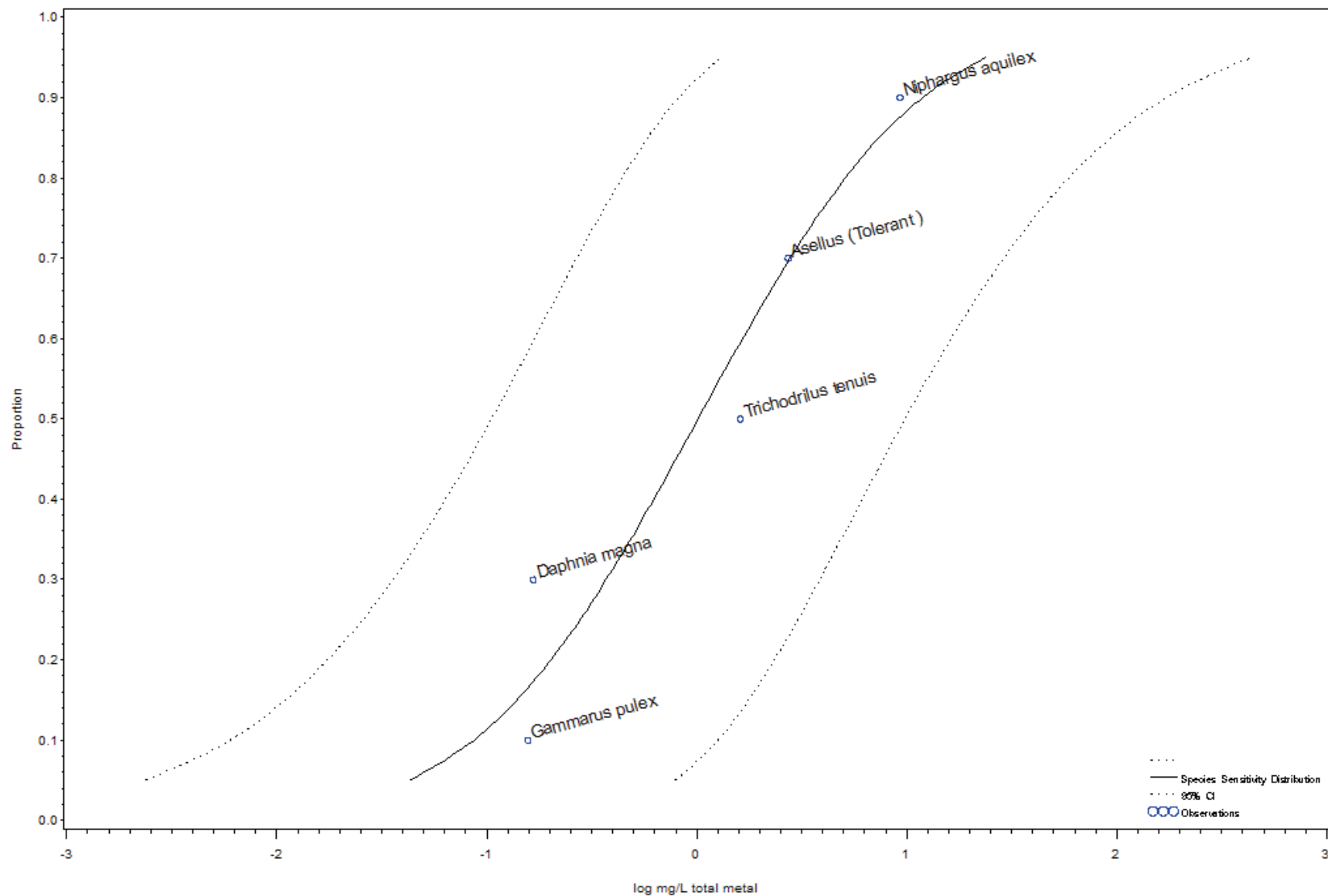
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.02135	0.05145	0.00886	-1.67060	-1.28861	-2.05258	1.99486
0.10	3.71845	0.03723	0.08586	0.01615	-1.42910	-1.06623	-1.79196	1.87238
0.20	4.15838	0.07300	0.16163	0.03297	-1.13666	-0.79147	-1.48185	1.76241
0.25	4.32551	0.09428	0.20638	0.04307	-1.02556	-0.68532	-1.36580	1.73212
0.30	4.47560	0.11863	0.25756	0.05464	-0.92579	-0.58911	-1.26247	1.71048
0.50	5.00000	0.26473	0.56749	0.12349	-0.57720	-0.24604	-0.90836	1.67719
0.75	5.67449	0.74329	1.62702	0.33956	-0.12884	0.21139	-0.46908	1.73212
0.90	6.28155	1.88232	4.34067	0.81626	0.27469	0.63756	-0.08817	1.87238
0.95	6.64485	3.28242	7.91007	1.36209	0.51619	0.89818	0.13421	1.99486

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.72222	5.58946	Asellus (Tolerant)	0.51925	-0.28462	0.02842	0.0998
0.50000	5.00000	Asellus aquaticus	0.31348	-0.50379	0.44020	0.8738
0.27778	4.41054	Daphnia magna	0.07141	-1.14621	0.20678	0.1804
0.16667	4.03258	Gammarus pseudolimnaeus	0.05512	-1.25871	0.07226	0.0574
0.05556	3.40678	Gammarus pulex	0.04869	-1.31252	0.80181	0.6109
0.05556	.	-->FDB	.	-2.35527	1.62817	.
0.38889	4.71778	Hyalella azteca (Tolerant)	0.12116	-0.91666	0.36944	0.4030
0.94444	6.59322	Niphargus aquilex	3.80583	0.58045	0.16723	0.2881
0.61111	5.28222	Paraleptophlebia praepedita	0.44900	-0.34775	.	.
0.83333	5.96742	Trichodrilus tenuis	0.98854	-0.00501	0.08200	16.3760

Cadmium SSD for Invertebrates - in moderately hard water at T<=15C over moderate (1-3 days) exposure



Species Sensitivity Distribution (SSD 21) data for Invertebrate species exposed to cadmium in moderately hard water at T<=15C over moderate (1-3 days) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	GrandMean	CorrSSQ	DF	MSE
5	1.20066	4.99111	0.91014	.007401749	2.42107	3	0.11486

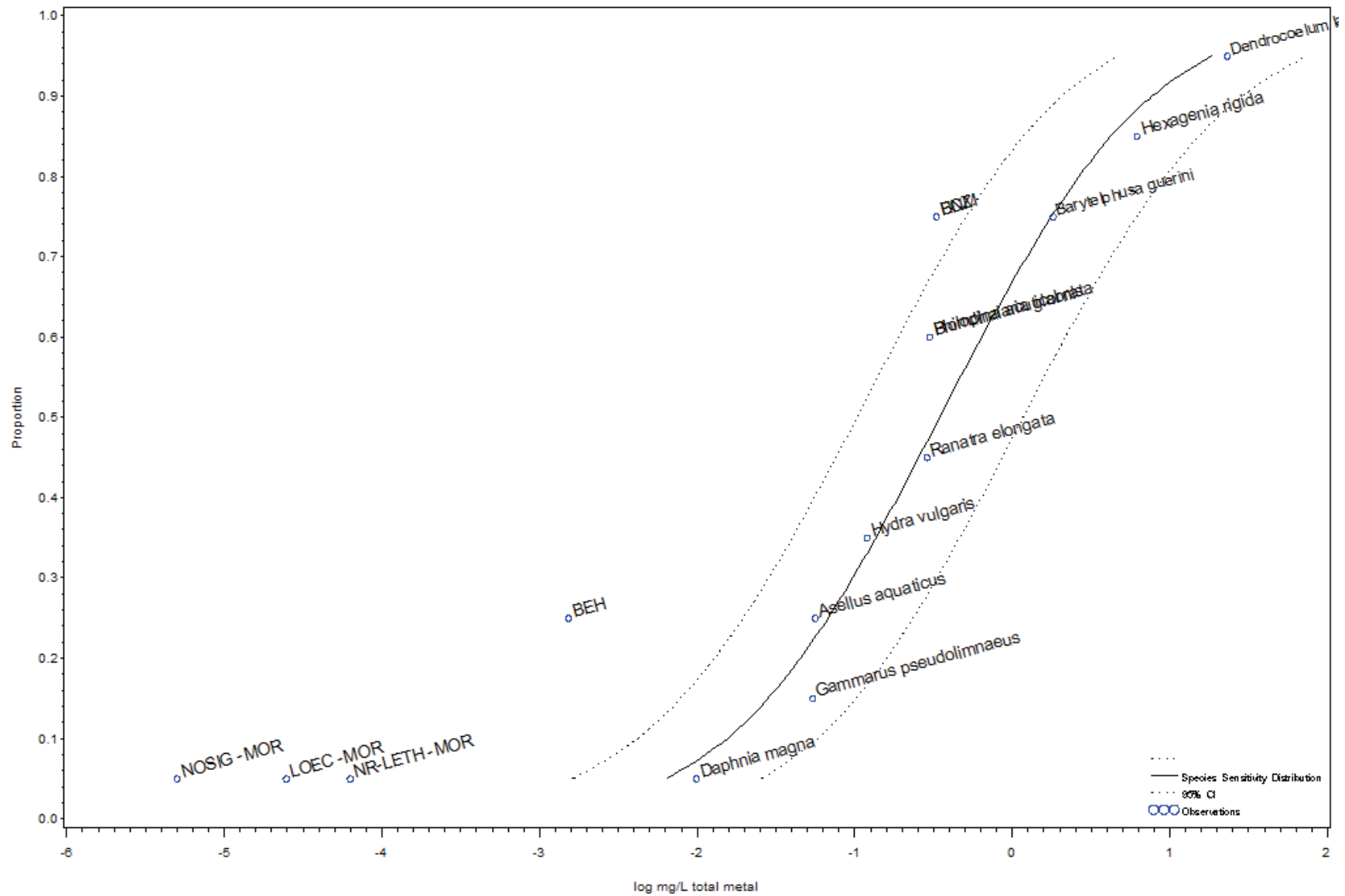
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.0434	0.372	0.00506	-1.36256	-0.42896	-2.29616	8.46570
0.10	3.71845	0.0871	0.629	0.01206	-1.05997	-0.20138	-1.91857	7.08249
0.20	4.15838	0.2025	1.240	0.03308	-0.69357	0.09326	-1.48039	5.95764
0.25	4.32551	0.2790	1.629	0.04780	-0.55437	0.21183	-1.32056	5.66574
0.30	4.47560	0.3721	2.098	0.06598	-0.42936	0.32184	-1.18056	5.46164
0.50	5.00000	1.0172	5.434	0.19042	0.00740	0.73509	-0.72029	5.15463
0.75	5.67449	3.7083	21.645	0.63529	0.56917	1.33536	-0.19702	5.66574
0.90	6.28155	11.8789	85.777	1.64506	1.07478	1.93337	0.21618	7.08249
0.95	6.64485	23.8431	204.627	2.77820	1.37736	2.31096	0.44376	8.46570

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.7	5.52440	Asellus (Tolerant)	2.73016	0.43619	0.11765	0.26972
0.3	4.47560	Daphnia magna	0.16733	-0.77642	0.10953	0.14107
0.1	3.71845	Gammarus pulex	0.15756	-0.80256	0.78090	0.97301
0.9	6.28155	Niphargus aquilex	9.32170	0.96950	0.08347	0.08610
0.5	5.00000	Trichodrilus tenuis	1.62296	0.21031	0.04934	0.23461

Cadmium SSD for Invertebrates - in moderately hard water at T>15C over long (3-30 days) exposure



Species Sensitivity Distribution (SSD 22) data for Invertebrate species exposed to cadmium in moderately hard water at T>15C over long (3-30 days) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
10	0.95162	5.43766	0.96069	-0.46036	9.29520	8	0.043051

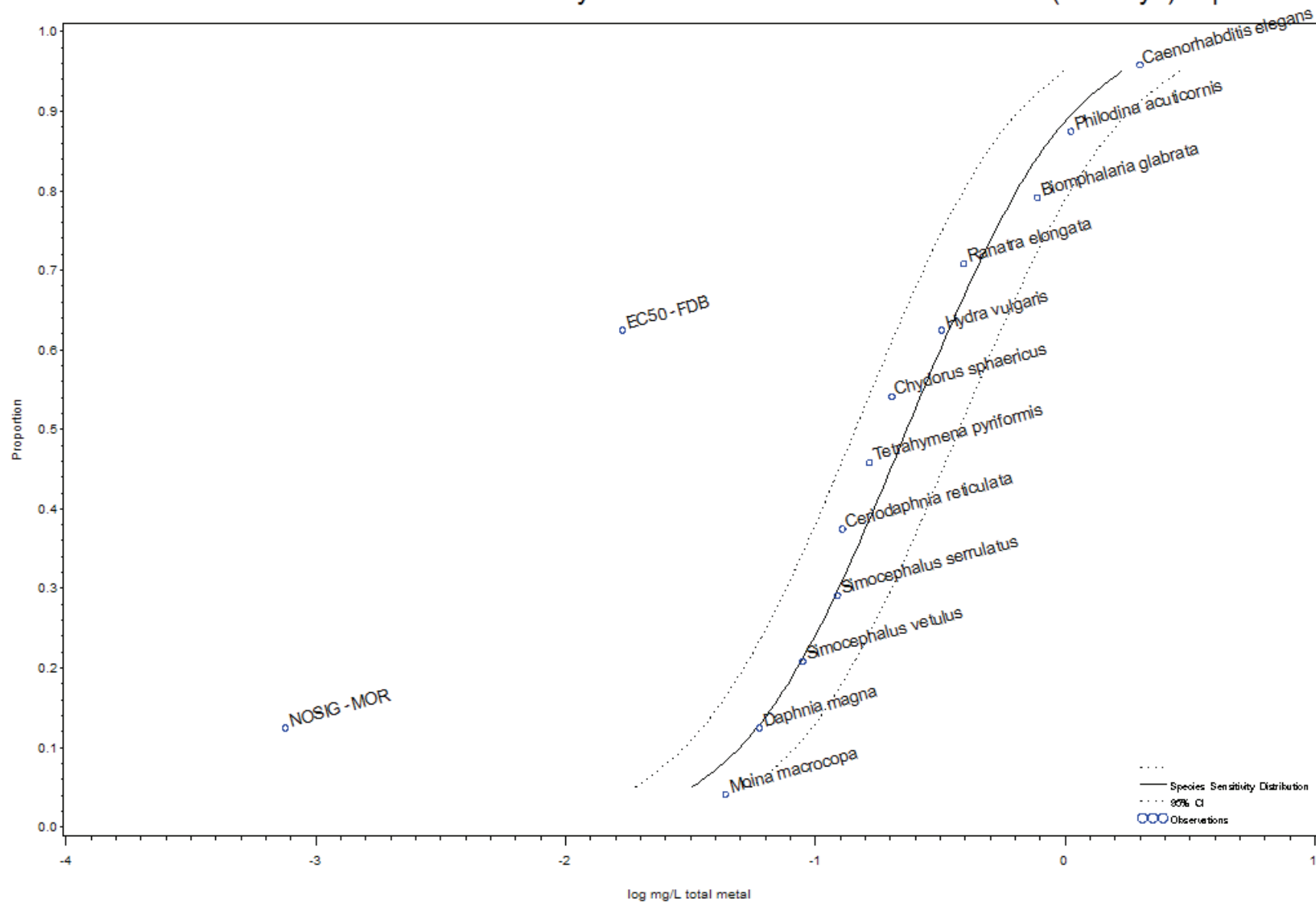
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log			Relative CIBreadth
					Central Tendency	UpperCI	LowerCI	
0.05	3.35515	0.0065	0.0197	0.00213	-2.18838	-1.70502	-2.67174	2.71483
0.10	3.71845	0.0156	0.0452	0.00540	-1.80661	-1.34522	-2.26800	2.54765
0.20	4.15838	0.0453	0.1250	0.01639	-1.34431	-0.90313	-1.78550	2.39968
0.25	4.32551	0.0678	0.1849	0.02488	-1.16868	-0.73314	-1.60423	2.35931
0.30	4.47560	0.0975	0.2633	0.03610	-1.01097	-0.57947	-1.44246	2.33057
0.50	5.00000	0.3468	0.9233	0.13027	-0.45991	-0.03467	-0.88514	2.28655
0.75	5.67449	1.7737	4.8356	0.65058	0.24887	0.68445	-0.18670	2.35949
0.90	6.28155	7.7055	22.2964	2.66295	0.88680	1.34823	0.42536	2.54799
0.95	6.64485	18.5597	56.4921	6.09752	1.26857	1.75199	0.78515	2.71527

Data Summary

Proportion Species	PROBIT	taxa	Geometric		Standard Deviation	CV
			Mean	LogMean		
0.25	4.32551	Asellus aquaticus	0.0566	-1.24734	0.19990	0.16026
0.25	.	-->BEH	.	-2.81341	.	.
0.75	5.67449	Barytelphusa guerini	1.8200	0.26007	.	.
0.75	.	-->BCM	.	-0.47804	.	.
0.75	.	-->ENZ	.	-0.47804	.	.
0.60	5.25335	Biomphalaria glabrata	0.3000	-0.52288	.	.
0.05	3.35515	Daphnia magna	0.0099	-2.00296	0.07559	0.03774
0.05	.	-->LOEC -MOR	.	-4.60517	0.00000	.
0.05	.	-->NOSIG -MOR	.	-5.29832	0.00000	.
0.05	.	-->NR-LETH -MOR	.	-4.19971	0.00000	.
0.95	6.64485	Dendrocoelum lacteum	23.2200	1.36586	.	.
0.15	3.96357	Gammarus pseudolimnaeus	0.0544	-1.26440	.	.
0.85	6.03643	Hexagenia rigida	6.2000	0.79239	.	.
0.35	4.61468	Hydra vulgaris	0.1200	-0.92082	.	.
0.60	5.25335	Philodina acuticornis	0.3000	-0.52288	0.00000	0.00000
0.45	4.87434	Ranatra elongata	0.2880	-0.54061	.	.

Cadmium SSD for Invertebrates - in moderately hard water at T>15C over moderate (1-3 days) exposure



Species Sensitivity Distribution (SSD 23) data for Invertebrate species exposed to cadmium in moderately hard water at T>15C over moderate (1-3 days) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
12	1.91393	6.20955	0.97269	-0.63197	2.86514	10	0.029470

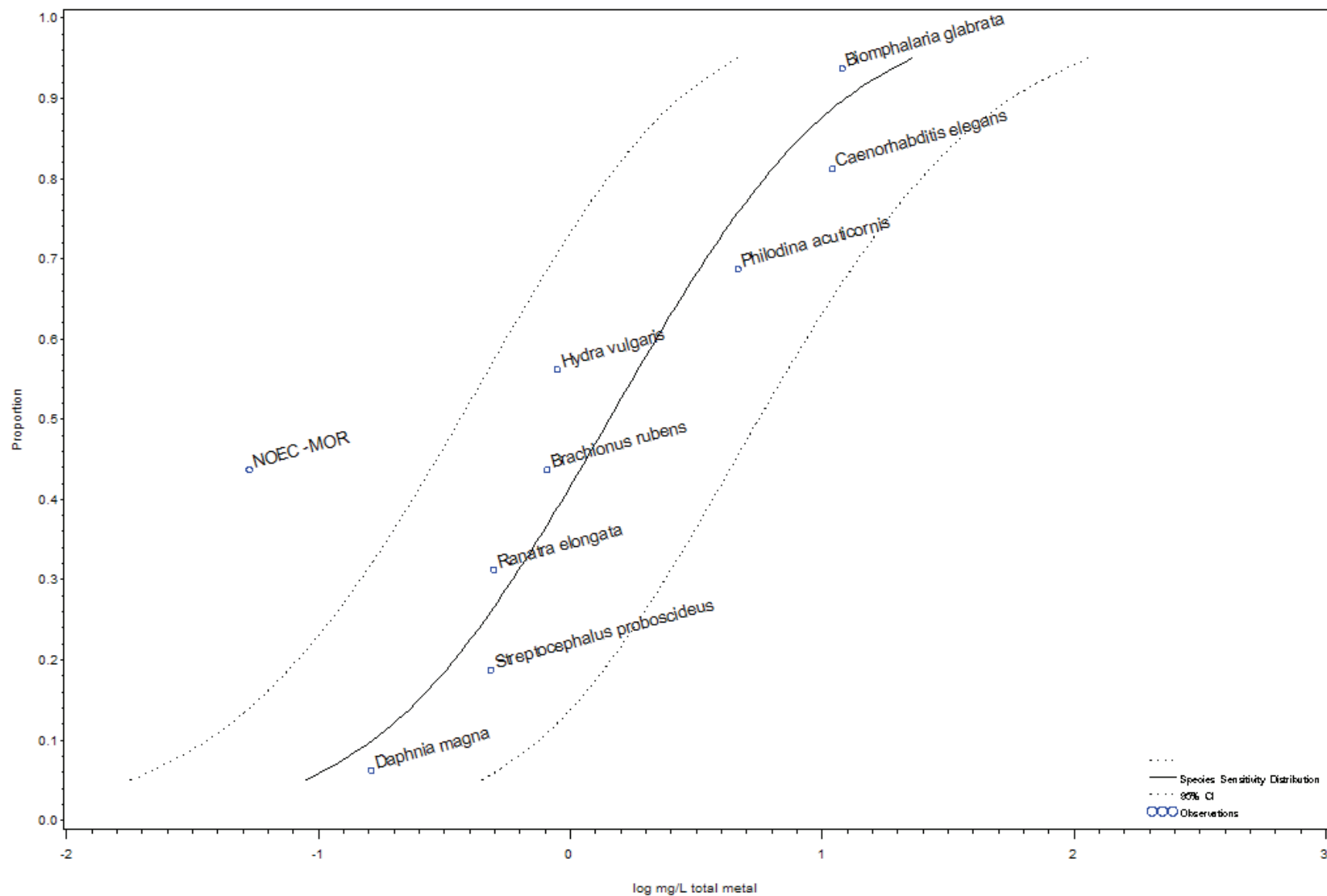
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.03226	0.04976	0.02091	-1.49138	-1.30312	-1.67965	0.89439
0.10	3.71845	0.04994	0.07576	0.03292	-1.30156	-1.12055	-1.48258	0.85794
0.20	4.15838	0.08478	0.12667	0.05674	-1.07171	-0.89731	-1.24610	0.82488
0.25	4.32551	0.10366	0.15423	0.06967	-0.98438	-0.81183	-1.15694	0.81573
0.30	4.47560	0.12418	0.18419	0.08371	-0.90596	-0.73472	-1.07720	0.80917
0.50	5.00000	0.23336	0.34454	0.15806	-0.63197	-0.46277	-0.80118	0.79908
0.75	5.67449	0.52534	0.78162	0.35309	-0.27956	-0.10700	-0.45212	0.81573
0.90	6.28155	1.09049	1.65438	0.71880	0.03762	0.21864	-0.14339	0.85794
0.95	6.64485	1.68827	2.60439	1.09441	0.22744	0.41571	0.03918	0.89439

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.79167	5.81222	Biomphalaria glabrata	0.77730	-0.10941	0.19052	1.74131
0.95833	6.73166	Caenorhabditis elegans	2.00000	0.30103	0.00000	0.00000
0.37500	4.68136	Ceriodaphnia reticulata	0.12900	-0.88941	.	.
0.54167	5.10463	Chydorus sphaericus	0.20316	-0.69217	0.19042	0.27511
0.12500	3.84965	Daphnia magna	0.06004	-1.22152	0.42332	0.34655
0.12500	.	-->NOSIG -MOR	.	-3.11996	0.17569	.
0.62500	5.31864	Hydra vulgaris	0.32171	-0.49253	0.20611	0.41847
0.62500	.	-->EC50 -FDB	.	-1.77196	.	.
0.04167	3.26834	Moina macrocopa	0.04382	-1.35834	0.22965	0.16907
0.87500	6.15035	Philodina acuticornis	1.05830	0.02461	0.17185	6.98337
0.70833	5.54852	Ranatra elongata	0.39432	-0.40415	0.06452	0.15965
0.29167	4.45148	Simocephalus serrulatus	0.12300	-0.91009	.	.
0.20833	4.18778	Simocephalus vetulus	0.08930	-1.04915	.	.
0.45833	4.89537	Tetrahymena pyriformis	0.16500	-0.78252	.	.

Cadmium SSD for Invertebrates - in moderately hard water at T>15C over short (<=1 day) exposure



Species Sensitivity Distribution (SSD 24) data for Invertebrate species exposed to cadmium in moderately hard water at T>15C over short (<=1 day) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
8	1.36657	4.78809	0.91408	0.15506	3.33246	6	0.097496

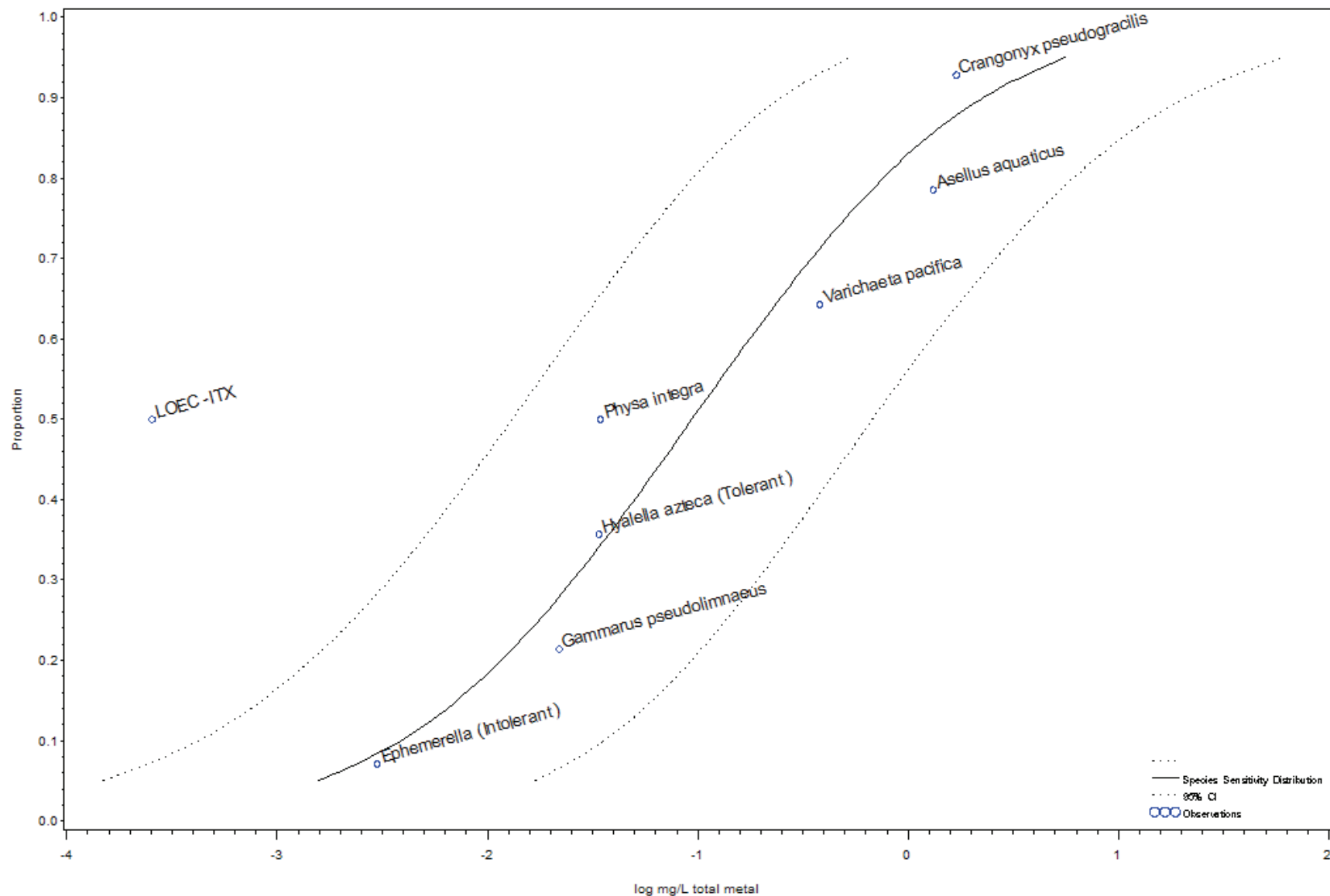
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.0894	0.3206	0.02494	-1.04857	-0.49407	-1.60307	3.30612
0.10	3.71845	0.1649	0.5502	0.04943	-0.78272	-0.25947	-1.30597	3.03644
0.20	4.15838	0.3461	1.0799	0.11093	-0.46080	0.03337	-0.95497	2.79961
0.25	4.32551	0.4587	1.4044	0.14980	-0.33850	0.14748	-0.82448	2.73523
0.30	4.47560	0.5907	1.7841	0.19555	-0.22867	0.25141	-0.70875	2.68945
0.50	5.00000	1.4291	4.2266	0.48322	0.15506	0.62599	-0.31586	2.61936
0.75	5.67449	4.4527	13.6336	1.45428	0.64863	1.13461	0.16265	2.73523
0.90	6.28155	12.3837	41.3143	3.71194	1.09285	1.61610	0.56960	3.03644
0.95	6.64485	22.8402	81.8835	6.37094	1.35870	1.91320	0.80420	3.30612

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.9375	6.53412	Biomphalaria glabrata	12.0577	1.08126	0.42926	0.39700
0.4375	4.84269	Brachionus rubens	0.8100	-0.09151	.	.
0.4375	.	-->NOEC -MOR	.	-1.27297	.	.
0.8125	5.88715	Caenorhabditis elegans	11.0111	1.04183	0.38190	0.36656
0.0625	3.46588	Daphnia magna	0.1625	-0.78920	0.18614	0.23586
0.5625	5.15731	Hydra vulgaris	0.8900	-0.05061	.	.
0.6875	5.48878	Philodina acuticornis	4.6476	0.66723	0.01982	0.02970
0.3125	4.51122	Ranatra elongata	0.4970	-0.30364	.	.
0.1875	4.11285	Streptocephalus proboscideus	0.4844	-0.31484	0.03169	0.10065

Cadmium SSD for Invertebrates - in soft water at T<=15C over long (3-30 days) exposure



Species Sensitivity Distribution (SSD 25) data for Invertebrate species exposed to cadmium in soft water at T<=15C over long (3-30 days) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
7	0.92660	5.95074	0.92833	-1.02605	6.28763	5	0.083354

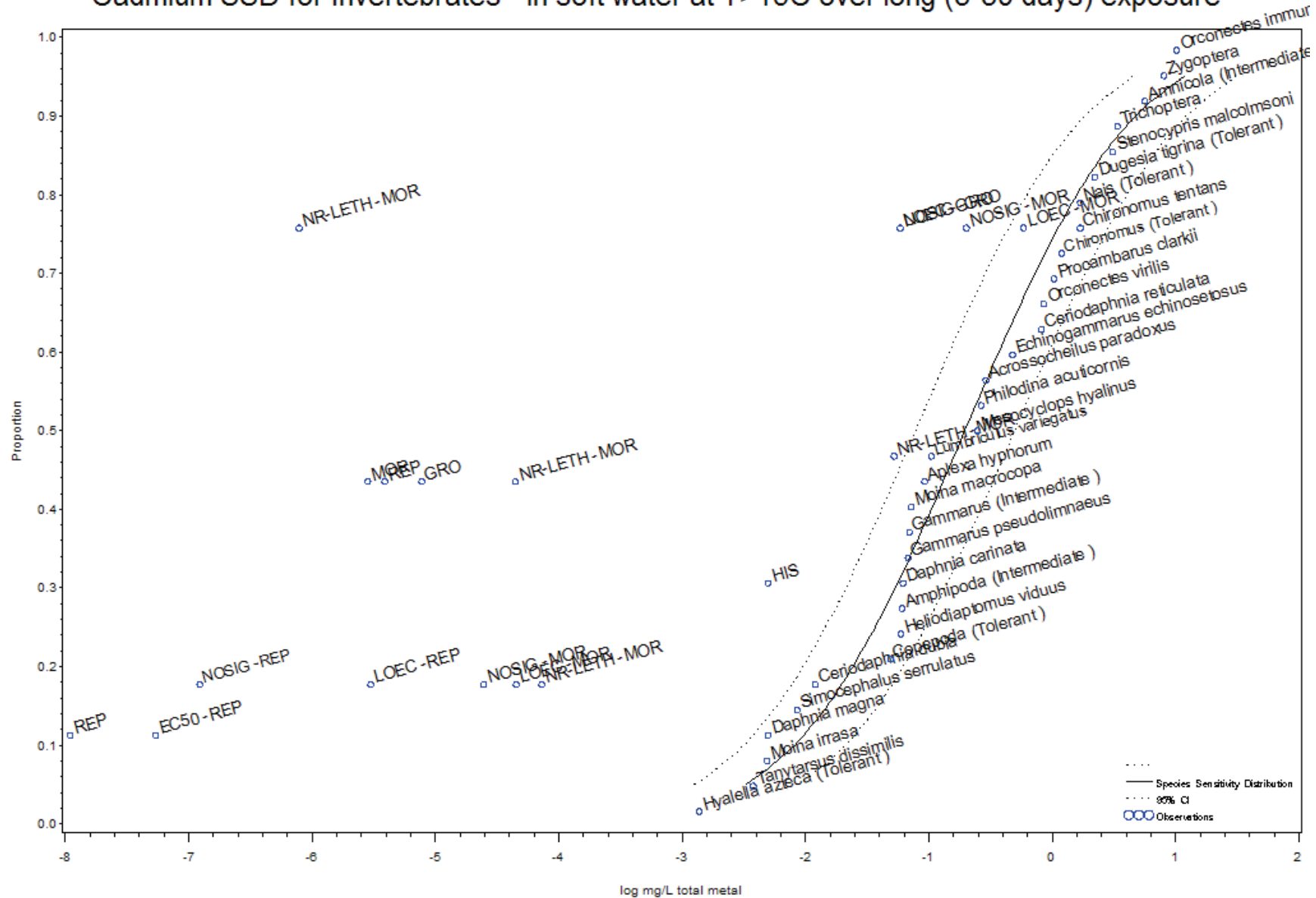
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.00158	0.0101	0.00025	-2.80119	-1.99617	-3.60622	6.22637
0.10	3.71845	0.00390	0.0222	0.00068	-2.40911	-1.65384	-3.16439	5.51642
0.20	4.15838	0.01163	0.0595	0.00227	-1.93434	-1.22565	-2.64302	4.91752
0.25	4.32551	0.01762	0.0874	0.00355	-1.75397	-1.05846	-2.44947	4.75869
0.30	4.47560	0.02559	0.1242	0.00527	-1.59199	-0.90599	-2.27798	4.64678
0.50	5.00000	0.09418	0.4417	0.02008	-1.02605	-0.35485	-1.69725	4.47710
0.75	5.67449	0.50335	2.4968	0.10148	-0.29813	0.39738	-0.99364	4.75869
0.90	6.28155	2.27520	12.9506	0.39971	0.35702	1.11229	-0.39825	5.51642
0.95	6.64485	5.61176	35.8201	0.87917	0.74910	1.55413	-0.05593	6.22637

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.78571	5.79164	Asellus aquaticus	1.32000	0.12057	.	.
0.92857	6.46523	Crangonyx pseudogracilis	1.70000	0.23045	.	.
0.07143	3.53477	Ephemerella (Intolerant)	0.00300	-2.52288	.	.
0.07143	.	-->LOEC -ITX	.	-5.80914	.	.
0.21429	4.20836	Gammarus pseudolimnaeus	0.02200	-1.65758	.	.
0.35714	4.63389	Hyalella azteca (Tolerant)	0.03391	-1.46965	0.23847	0.16226
0.50000	5.00000	Physa integra	0.03443	-1.46303	0.73530	0.50259
0.50000	.	-->LOEC -ITX	.	-3.59357	.	.
0.64286	5.36611	Varichaeta pacifica	0.38000	-0.42022	.	.

Cadmium SSD for Invertebrates - in soft water at T>15C over long (3-30 days) exposure



Species Sensitivity Distribution (SSD 26) data for Invertebrate species exposed to cadmium in soft water at T>15C over long (3-30 days) exposure

Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
31	0.92680	5.65428	0.96877	-0.70595	33.5621	29	0.032045

Predicted Values

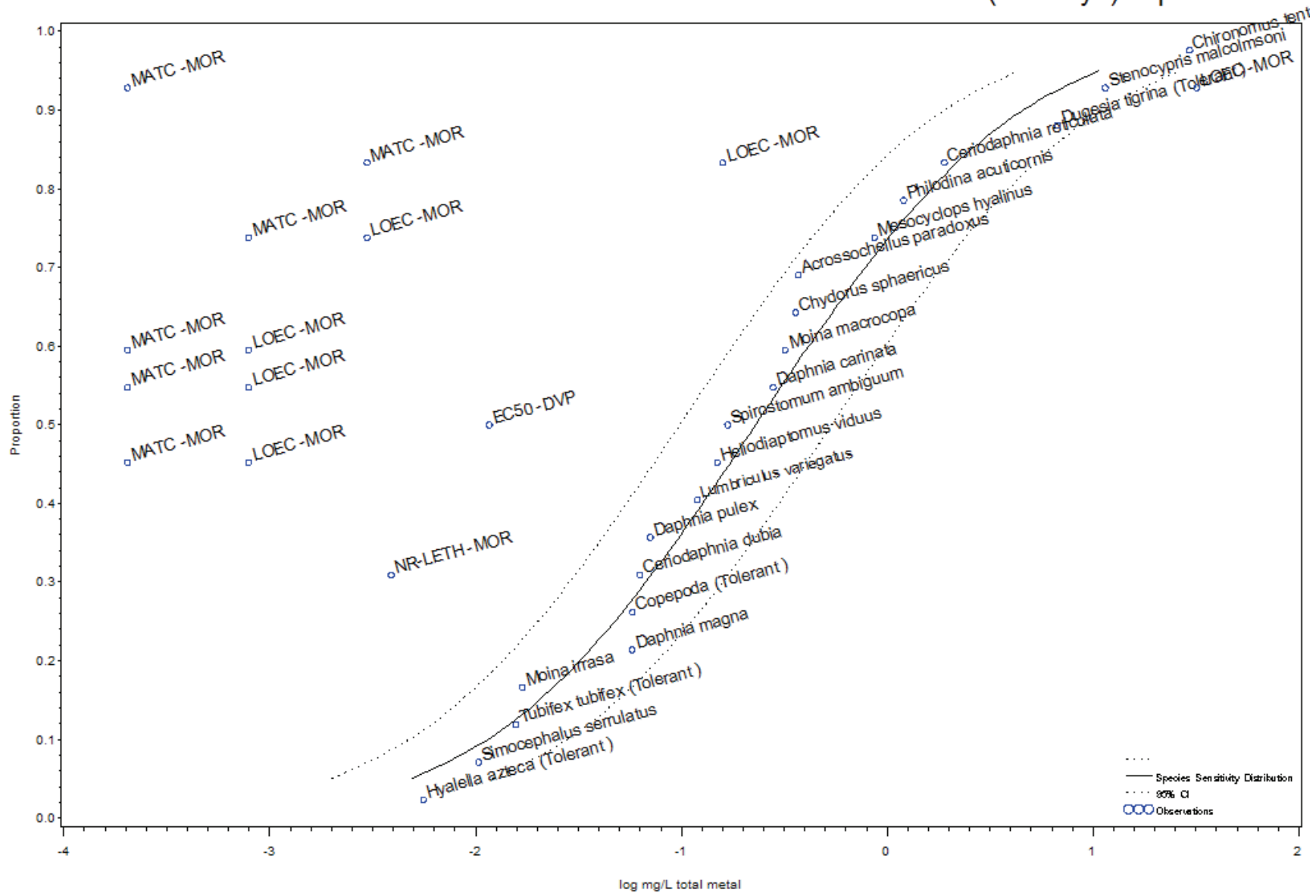
Proportion Species	Probt	Central Tendency			log			Relative CIBreadth
		UpperCI	LowerCI	Central Tendency	UpperCI	LowerCI	log	
0.05	3.35515	0.0033	0.0074	0.00148	-2.48072	-2.13245	-2.82898	1.78132
0.10	3.71845	0.0082	0.0179	0.00370	-2.08872	-1.74621	-2.43123	1.74602
0.20	4.15838	0.0243	0.0529	0.01118	-1.61404	-1.27666	-1.95143	1.71476
0.25	4.32551	0.0368	0.0798	0.01699	-1.43371	-1.09774	-1.76969	1.70624
0.30	4.47560	0.0535	0.1157	0.02473	-1.27177	-0.93679	-1.60674	1.70018
0.50	5.00000	0.1968	0.4241	0.09133	-0.70595	-0.37251	-1.03939	1.69090
0.75	5.67449	1.0515	2.2792	0.48510	0.02181	0.35779	-0.31417	1.70624
0.90	6.28155	4.7514	10.4552	2.15926	0.67682	1.01933	0.33430	1.74602
0.95	6.64485	11.7170	26.1264	5.25472	1.06881	1.41708	0.72055	1.78132

Data Summary

Proportion Species	PROBIT	taxa	Geometric		Standard Deviation	CV
			Mean	LogMean		
0.56452	5.16243	Acrossocheilus paradoxus	0.2918	-0.53491	.	.
0.91935	6.40075	Amnicola (Intermediate)	5.6498	0.75203	0.24360	0.3239
0.27419	4.39982	Amphipoda (Intermediate)	0.0610	-1.21467	.	.
0.43548	4.83757	Aplexa hypnorum	0.0930	-1.03152	.	.
0.43548	.	-->GRO	.	-5.10845	0.32920	.
0.43548	.	-->MOR	.	-5.54560	0.75686	.
0.43548	.	-->NR-LETH -MOR	.	-4.35053	.	.
0.43548	.	-->REP	.	-5.40806	0.45772	.
0.17742	4.07476	Ceriodaphnia dubia	0.0120	-1.91951	0.10137	0.0528
0.17742	.	-->LOEC -MOR	.	-4.34281	0.00000	.
0.17742	.	-->LOEC -REP	.	-5.52146	0.00000	.
0.17742	.	-->NOSIG -MOR	.	-4.60517	0.00000	.
0.17742	.	-->NOSIG -REP	.	-6.90776	0.00000	.
0.17742	.	-->NR-LETH -MOR	.	-4.13517	.	.
0.62903	5.32929	Ceriodaphnia reticulata	0.8200	-0.08619	.	.
0.72581	5.60018	Chironomus (Tolerant)	1.2000	0.07918	.	.
0.75806	5.70009	Chironomus tentans	1.6982	0.22998	0.48176	2.0947

0.75806	.	-->LOEC -GRO	.	-1.22963	0.92921	.
0.75806	.	-->LOEC -MOR	.	-0.23105	0.40019	.
0.75806	.	-->NOSIG -GRO	.	-1.22963	0.92921	.
0.75806	.	-->NOSIG -MOR	.	-0.69315	0.00000	.
0.75806	.	-->NR-LETH -MOR	.	-6.10304	0.15779	.
0.20968	4.19246	Copepoda (Tolerant)	0.0490	-1.31017	0.02508	0.0191
0.20968	.	-->NR-LETH -MOR	.	-2.88240	.	.
0.20968	.	-->NoTrend -MOR	.	-4.60517	.	.
0.30645	4.49407	Daphnia carinata	0.0620	-1.20761	.	.
0.30645	.	-->HIS	.	-2.30259	.	.
0.11290	3.78877	Daphnia magna	0.0050	-2.30103	.	.
0.11290	.	-->EC50 -REP	.	-7.26443	.	.
0.11290	.	-->REP	.	-7.95758	.	.
0.82258	5.92524	Dugesia tigrina (Tolerant)	2.2249	0.34730	0.00690	0.0199
0.59677	5.24501	Echinogammarus echinosetosus	0.4800	-0.31876	.	.
0.37097	4.67071	Gammarus (Intermediate)	0.0700	-1.15490	.	.
0.33871	4.58401	Gammarus pseudolimnaeus	0.0683	-1.16558	.	.
0.24194	4.29991	Heliodiaptomus viduus	0.0600	-1.22185	.	.
0.01613	2.85880	Hyalella azteca (Tolerant)	0.0014	-2.85757	0.26658	0.0933
0.01613	.	-->LOEC -GRO	.	-6.21461	.	.
0.01613	.	-->LOEC -MOR	.	-6.90776	1.20057	.
0.01613	.	-->NOSIG -GRO	.	-6.21461	.	.
0.01613	.	-->NOSIG -MOR	.	-7.67528	1.32940	.
0.01613	.	-->NR-LETH -MOR	.	-5.38631	0.23410	.
0.46774	4.91905	Lumbriculus variegatus	0.1054	-0.97734	0.21698	0.2220
0.46774	.	-->NR-LETH -MOR	.	-1.28013	.	.
0.50000	5.00000	Mesocyclops hyalinus	0.2500	-0.60206	.	.
0.08065	3.59925	Moina irrasa	0.0049	-2.30884	0.40978	0.1775
0.40323	4.75499	Moina macrocopa	0.0725	-1.13966	.	.
0.79032	5.80754	Nais (Tolerant)	1.7000	0.23045	.	.
0.98387	7.14120	Orconectes immunis	10.2000	1.00860	.	.
0.66129	5.41599	Orconectes virilis	0.8566	-0.06723	0.73760	10.9714
0.53226	5.08095	Philodina acuticornis	0.2659	-0.57526	0.33966	0.5905
0.69355	5.50593	Procambarus clarkii	1.0400	0.01703	.	.
0.14516	3.94259	Simocephalus serrulatus	0.0086	-2.06550	.	.
0.85484	6.05741	Stenocypris malcolmsoni	3.1000	0.49136	.	.
0.04839	3.33930	Tanytarsus dissimilis	0.0038	-2.42022	.	.
0.88710	6.21123	Trichoptera	3.4000	0.53148	.	.
0.95161	6.66070	Zygoptera	8.1000	0.90849	.	.

Cadmium SSD for Invertebrates - in soft water at T>15C over moderate (1-3 days) exposure



Species Sensitivity Distribution (SSD 27) data for Invertebrate species exposed to cadmium in soft water at T>15C over moderate (1-3 days) exposure

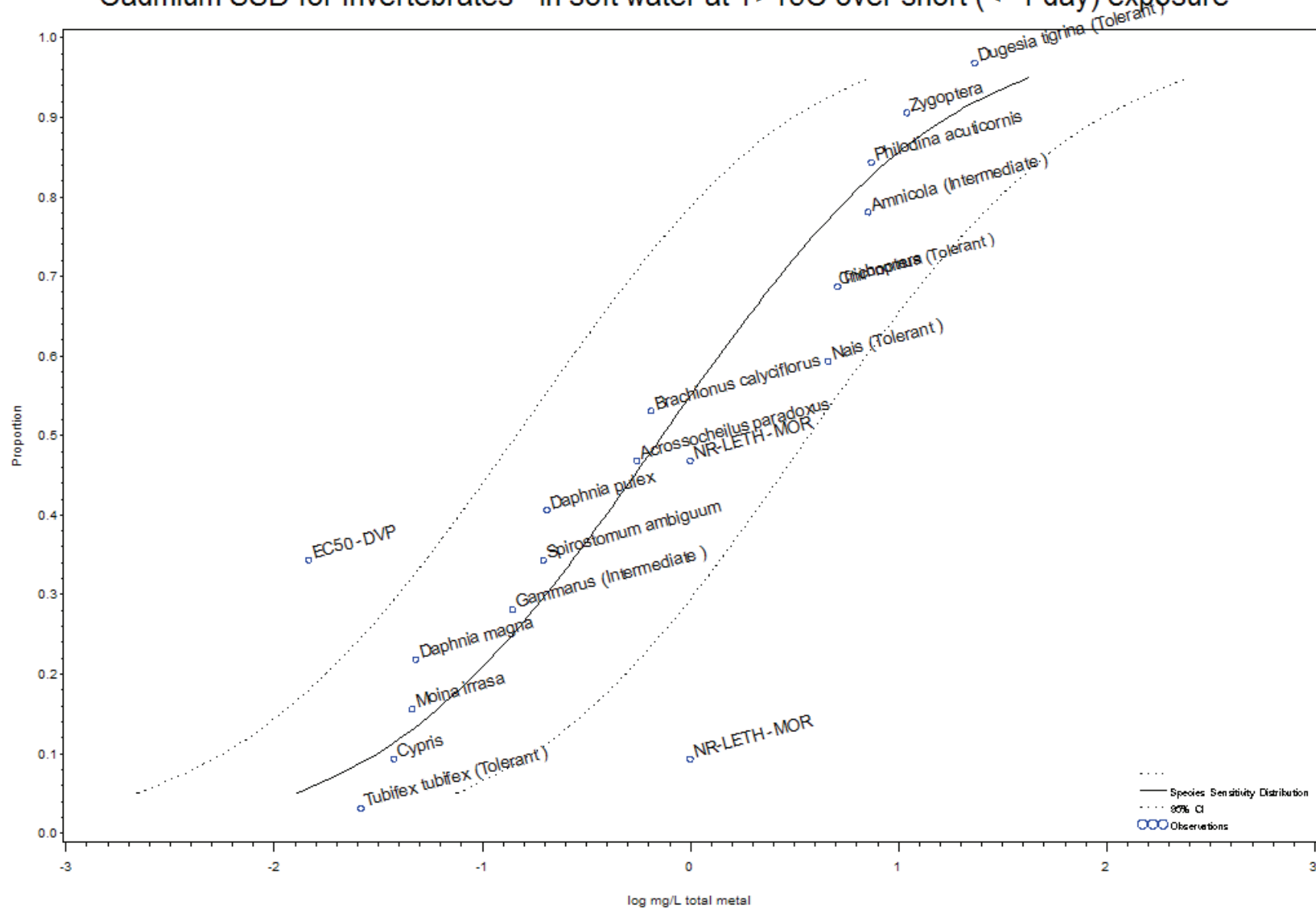
Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
21	0.98587	5.62989	0.97220	-0.63892	19.7748	19	0.028927

Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log		Relative CIBreadth	
					Central Tendency	log UpperCI		
0.05	3.35515	0.0049	0.0104	0.00233	-2.30735	-1.98216	-2.63254	1.64147
0.10	3.71845	0.0115	0.0239	0.00554	-1.93884	-1.62131	-2.25637	1.59610
0.20	4.15838	0.0322	0.0658	0.01573	-1.49260	-1.18196	-1.80325	1.55574
0.25	4.32551	0.0475	0.0968	0.02334	-1.32308	-1.01432	-1.63183	1.54470
0.30	4.47560	0.0675	0.1370	0.03325	-1.17084	-0.86344	-1.47824	1.53684
0.50	5.00000	0.2297	0.4639	0.11370	-0.63892	-0.33360	-0.94424	1.52479
0.75	5.67449	1.1098	2.2594	0.54511	0.04524	0.35399	-0.26352	1.54470
0.90	6.28155	4.5814	9.5177	2.20530	0.66100	0.97853	0.34347	1.59610
0.95	6.64485	10.7031	22.6307	5.06195	1.02951	1.35470	0.70432	1.64147

Data Summary						
Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.69048	5.49720	Acrossocheilus paradoxus	0.3705	-0.43121	.	.
0.30952	4.50280	Ceriodaphnia dubia	0.0631	-1.19997	.	.
0.30952	.	-->NR-LETH -MOR	.	-2.40795	.	.
0.83333	5.96742	Ceriodaphnia reticulata	1.9000	0.27875	.	.
0.83333	.	-->LOEC -MOR	.	-0.79851	.	.
0.83333	.	-->MATC -MOR	.	-2.52573	.	.
0.97619	6.98075	Chironomus tentans	29.5600	1.47070	.	.
0.64286	5.36611	Chydorus sphaericus	0.3609	-0.44264	0.16416	0.37088
0.26190	4.36252	Copepoda (Tolerant)	0.0580	-1.23657	.	.
0.54762	5.11965	Daphnia carinata	0.2800	-0.55284	.	.
0.54762	.	-->LOEC -MOR	.	-3.10109	.	.
0.54762	.	-->MATC -MOR	.	-3.68888	.	.
0.21429	4.20836	Daphnia magna	0.0576	-1.23922	0.33147	0.26748
0.35714	4.63389	Daphnia pulex	0.0710	-1.14874	.	.
0.88095	6.17976	Dugesia tigrina (Tolerant)	6.7500	0.82930	.	.
0.45238	4.88035	Heliodiaptomus viduus	0.1500	-0.82391	.	.
0.45238	.	-->LOEC -MOR	.	-3.10109	.	.
0.45238	.	-->MATC -MOR	.	-3.68888	.	.
0.02381	3.01925	Hyalella azteca (Tolerant)	0.0056	-2.25181	.	.
0.40476	4.75896	Lumbriculus variegatus	0.1200	-0.92082	.	.
0.73810	5.63748	Mesocyclops hyalinus	0.8700	-0.06048	.	.
0.73810	.	-->LOEC -MOR	.	-2.52573	.	.
0.73810	.	-->MATC -MOR	.	-3.10109	.	.
0.16667	4.03258	Moina irrasa	0.0169	-1.77182	0.33824	0.19090
0.59524	5.24104	Moina macrocopa	0.3200	-0.49485	.	.
0.59524	.	-->LOEC -MOR	.	-3.10109	.	.
0.59524	.	-->MATC -MOR	.	-3.68888	.	.
0.78571	5.79164	Philodina acuticornis	1.2038	0.08055	0.26309	3.26593
0.07143	3.53477	Simocephalus serrulatus	0.0104	-1.98500	0.33006	0.16628
0.50000	5.00000	Spirostomum ambiguum	0.1680	-0.77469	.	.
0.50000	.	-->EC50 -DVP	.	-1.93102	.	.
0.92857	6.46523	Stenocypris malcolmsoni	11.5000	1.06070	.	.
0.92857	.	-->LOEC -MOR	.	1.50408	.	.
0.92857	.	-->MATC -MOR	.	-3.68888	.	.
0.11905	3.82024	Tubifex tubifex (Tolerant)	0.0157	-1.80276	0.65461	0.36312

Cadmium SSD for Invertebrates - in soft water at T>15C over short (<=1 day) exposure



Species Sensitivity Distribution (SSD 28) data for Invertebrate species exposed to cadmium in soft water at T>15C over short (<=1 day) exposure

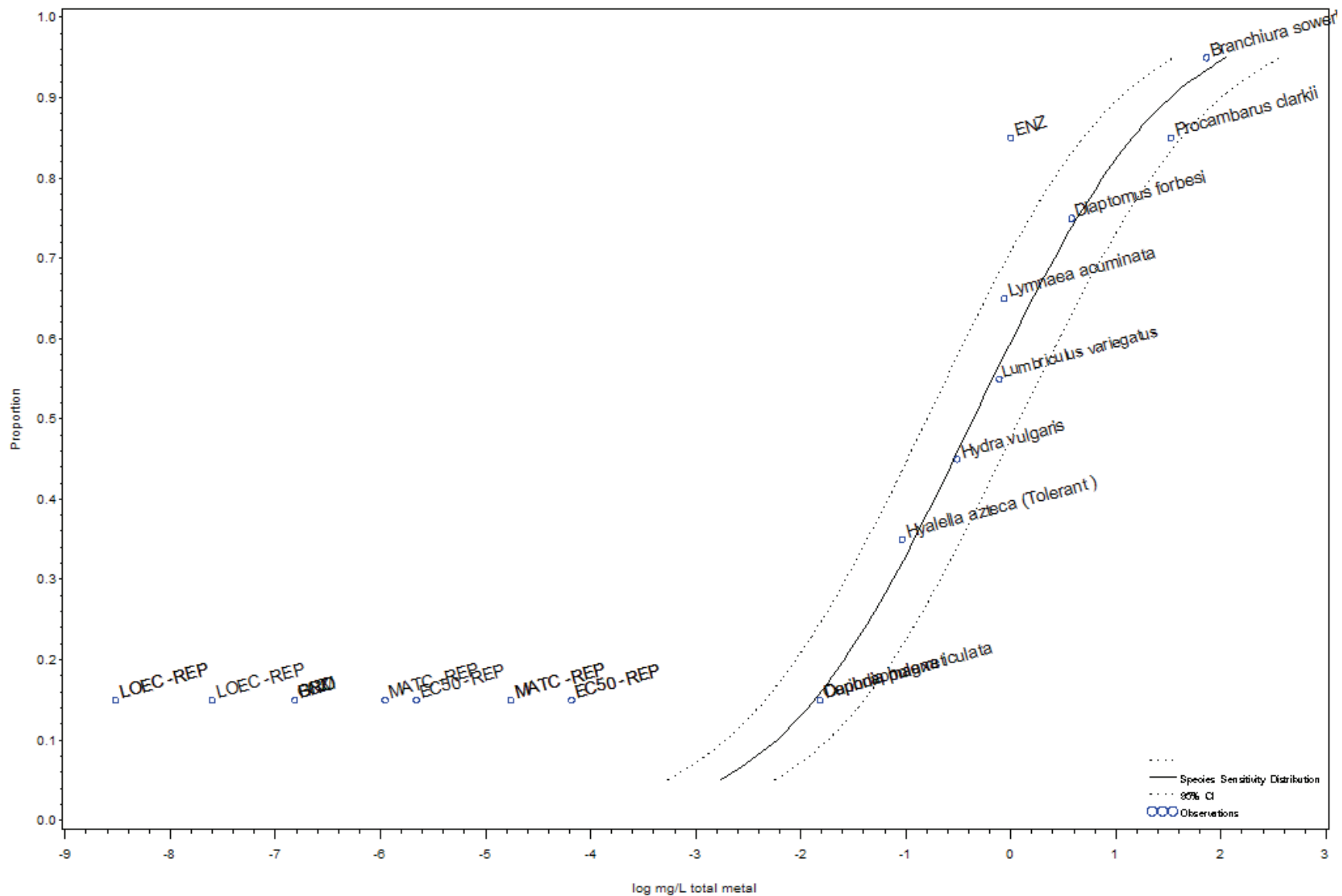
Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
16	0.93539	5.12471	0.91606	-0.13358	15.4528	14	0.088495

Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log		Relative CIBreadth
					Central Tendency	log UpperCI	
0.05	3.35515	0.0128	0.055	0.00301	-1.89179	-1.26239	4.02514
0.10	3.71845	0.0314	0.128	0.00771	-1.50339	-0.89390	3.82323
0.20	4.15838	0.0927	0.362	0.02374	-1.03307	-0.44163	3.64720
0.25	4.32551	0.1398	0.540	0.03624	-0.85440	-0.26795	3.59964
0.30	4.47560	0.2023	0.774	0.05287	-0.69394	-0.11106	3.56591
0.50	5.00000	0.7357	2.780	0.19467	-0.13332	0.44406	3.51447
0.75	5.67449	3.8704	14.935	1.00297	0.58775	1.17422	3.59976
0.90	6.28155	17.2482	70.187	4.23871	1.23674	1.84625	3.82346
0.95	6.64485	42.1831	179.708	9.90173	1.62514	2.25457	4.02544

Data Summary							
Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV	
0.46875	4.92159	Acrossocheilus paradoxus	0.5546	-0.25602	.	.	
0.46875	.	-->NR-LETH -MOR	.	0.00000	.	.	
0.78125	5.77642	Amnicola (Intermediate)	7.1770	0.85595	0.20983	0.24515	
0.53125	5.07841	Brachionus calyciflorus	0.6500	-0.18709	.	.	
0.68750	5.48878	Chironomus (Tolerant)	5.1000	0.70757	.	.	
0.09375	3.68199	Cypris	0.0378	-1.42264	0.06489	0.04561	
0.09375	.	-->NR-LETH -MOR	.	0.00000	.	.	
0.21875	4.22358	Daphnia magna	0.0480	-1.31876	.	.	
0.40625	4.76280	Daphnia pulex	0.2049	-0.68838	0.23405	0.34000	
0.96875	6.86273	Dugesia tigrina (Tolerant)	23.3000	1.36736	.	.	
0.28125	4.42087	Gammarus (Intermediate)	0.1400	-0.85387	.	.	
0.15625	3.99001	Moina irrasa	0.0461	-1.33632	0.24426	0.18278	
0.59375	5.23720	Nais (Tolerant)	4.6000	0.66276	.	.	
0.84375	6.00999	Philodina acuticornis	7.4255	0.87073	0.15058	0.17293	
0.34375	4.59775	Spirostomum ambiguum	0.1970	-0.70553	.	.	
0.34375	.	-->EC50 -DVP	.	-1.83258	.	.	
0.68750	5.48878	Trichoptera	5.1000	0.70757	.	.	
0.03125	3.13727	Tubifex tubifex (Tolerant)	0.0262	-1.58199	0.73725	0.46602	
0.03125	.	-->PHY	.	-7.00207	.	.	
0.90625	6.31801	Zygoptera	11.0000	1.04139	.	.	

Cadmium SSD for Invertebrates - in very hard water at T>15C over long (3-30 days) exposure



Species Sensitivity Distribution (SSD 29) data for Invertebrate species exposed to cadmium in very hard water at T>15C over long (3-30 days) exposure

Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
10	0.68413	5.24254	0.98388	-0.31850	16.3544	8	0.015674

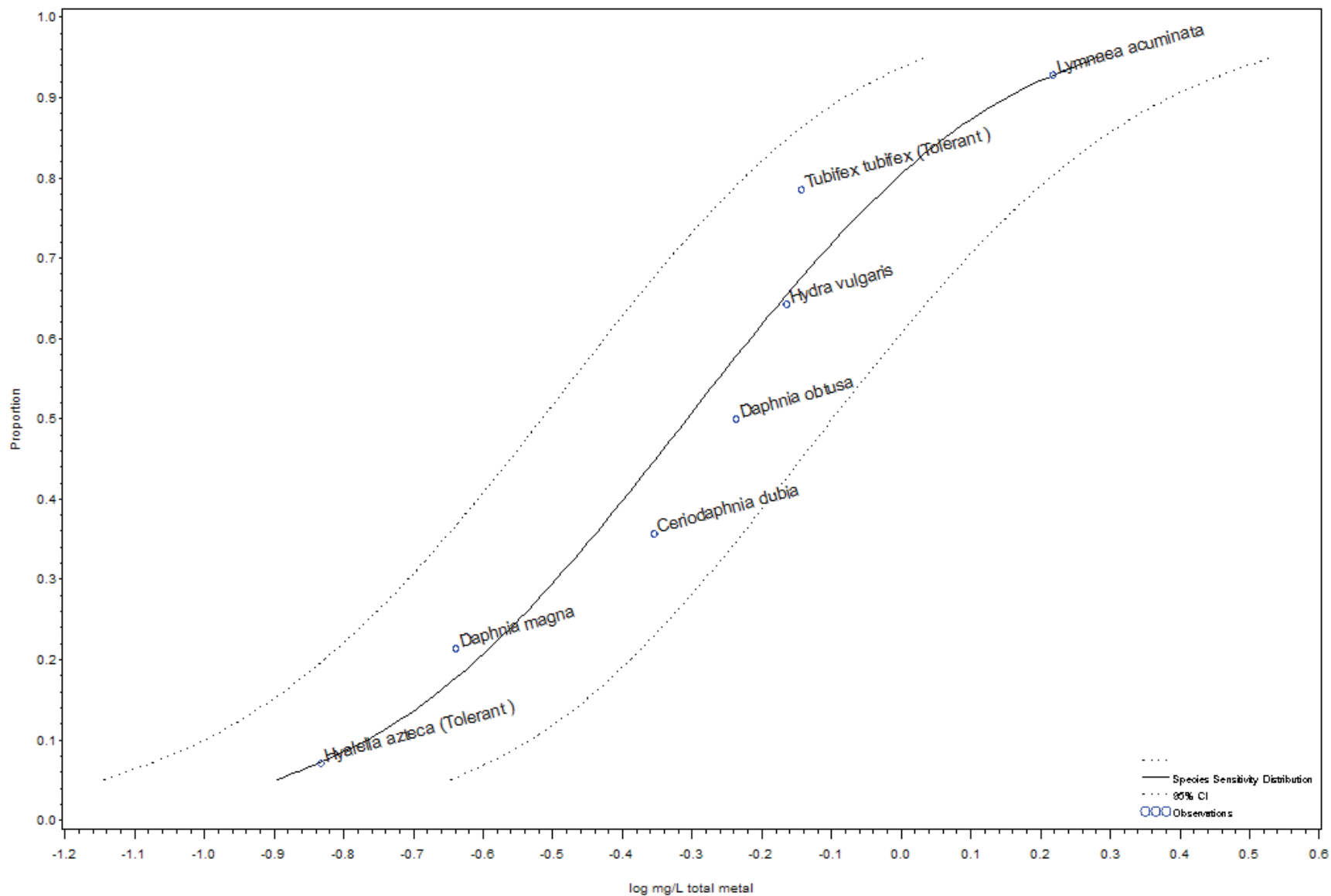
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log		Relative CIBreadth	
					Central Tendency	log UpperCI		
0.05	3.35515	0.002	0.004	0.0007	-2.75884	-2.34707	-3.17060	2.19341
0.10	3.71845	0.006	0.015	0.0024	-2.22779	-1.83639	-2.61919	2.05659
0.20	4.15838	0.026	0.061	0.0110	-1.58474	-1.21226	-1.95721	1.93347
0.25	4.32551	0.046	0.106	0.0196	-1.34044	-0.97331	-1.70756	1.89933
0.30	4.47560	0.076	0.175	0.0328	-1.12105	-0.75781	-1.48429	1.87476
0.50	5.00000	0.442	1.006	0.1943	-0.35452	0.00240	-0.71144	1.83507
0.75	5.67449	4.279	9.934	1.8435	0.63139	0.99714	0.26564	1.89062
0.90	6.28155	33.018	80.853	13.4831	1.51874	1.90770	1.12979	2.04044
0.95	6.64485	112.148	287.453	43.7535	2.04979	2.45857	1.64101	2.17303

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.95	6.64485	Branchiura sowerbyi (Tolerant)	73.4276	1.86586	0.09627	0.05159
0.15	3.96357	Ceriodaphnia reticulata	0.0153	-1.81531	.	.
0.15	.	-->EC50 -REP	.	-4.17990	.	.
0.15	.	-->LOEC -REP	.	-8.51719	.	.
0.15	.	-->MATC -REP	.	-4.75599	.	.
0.15	3.96357	Daphnia magna	0.0153	-1.81531	.	.
0.15	.	-->BCM	.	-6.81245	.	.
0.15	.	-->EC50 -REP	.	-5.65499	.	.
0.15	.	-->ENZ	.	-6.81245	.	.
0.15	.	-->GRO	.	-6.81245	.	.
0.15	.	-->LOEC -REP	.	-7.60090	.	.
0.15	.	-->MATC -REP	.	-5.95224	.	.
0.15	3.96357	Daphnia pulex	0.0153	-1.81531	.	.
0.15	.	-->EC50 -REP	.	-4.17990	.	.
0.15	.	-->LOEC -REP	.	-8.51719	.	.
0.15	.	-->MATC -REP	.	-4.75599	.	.
0.75	5.67449	Diaptomus forbesi	3.7991	0.57968	0.11160	0.19252
0.35	4.61468	Hyalella azteca (Tolerant)	0.0927	-1.03306	0.40679	0.39378
0.45	4.87434	Hydra vulgaris	0.3100	-0.50864	.	.
0.55	5.12566	Lumbriculus variegatus	0.7800	-0.10791	0.00000	0.00000
0.65	5.38532	Lymnaea acuminata	0.8720	-0.05948	.	.
0.85	6.03643	Procambarus clarkii	33.4594	1.52452	0.25160	0.16504
0.85	.	-->ENZ	.	0.00000	.	.

Cadmium SSD for Invertebrates - in very hard water at T>15C over moderate (1-3 days) exposure



Species Sensitivity Distribution (SSD 30) data for Invertebrate species exposed to cadmium in very hard water at T>15C over moderate (1-3 days) exposure

Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
7	2.79201	5.85784	0.96144	-0.30725	0.71723	5	0.044845

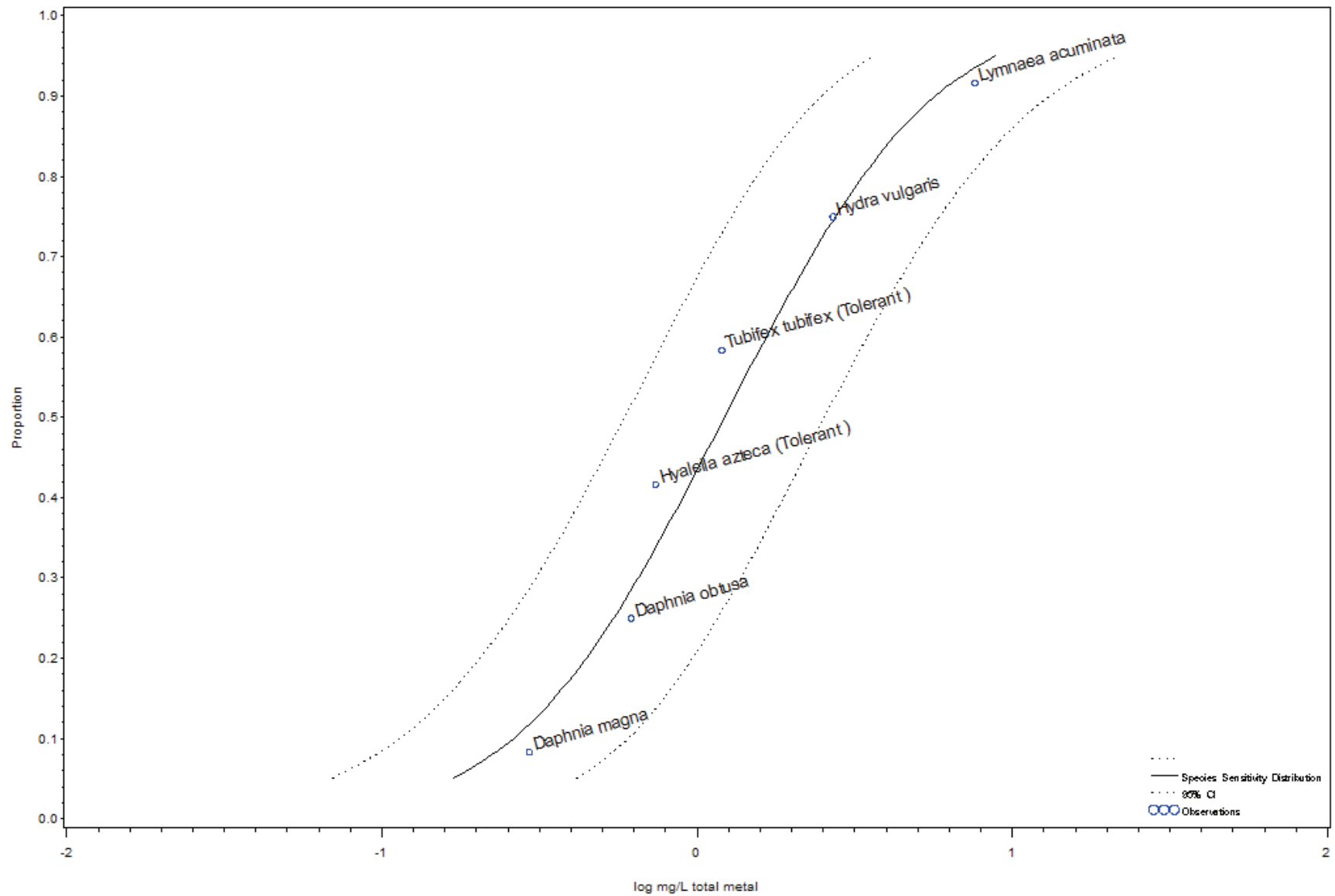
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log			Relative CIBreadth
					Central Tendency	log UpperCI	log LowerCI	
0.05	3.35515	0.12695	0.19886	0.08104	-0.89638	-0.70144	-1.09131	0.92815
0.10	3.71845	0.17130	0.26118	0.11235	-0.76625	-0.58307	-0.94944	0.86885
0.20	4.15838	0.24621	0.36603	0.16562	-0.60869	-0.43648	-0.78089	0.81399
0.25	4.32551	0.28260	0.41714	0.19146	-0.54883	-0.37972	-0.71793	0.79859
0.30	4.47560	0.31984	0.46968	0.21780	-0.49507	-0.32820	-0.66194	0.78750
0.50	5.00000	0.49289	0.71803	0.33835	-0.30725	-0.14386	-0.47064	0.77031
0.75	5.67449	0.85967	1.26893	0.58241	-0.06567	0.10344	-0.23477	0.79859
0.90	6.28155	1.41828	2.16246	0.93019	0.15176	0.33495	-0.03143	0.86885
0.95	6.64485	1.91374	2.99790	1.22165	0.28188	0.47682	0.08695	0.92815

Data Summary

Proportion Species	PROBIT	taxa	Geometric		Standard Deviation	CV
			Mean	LogMean		
0.35714	4.63389	Ceriodaphnia dubia	0.44272	-0.35387	0.14433	0.40787
0.21429	4.20836	Daphnia magna	0.22954	-0.63914	0.59316	0.92807
0.50000	5.00000	Daphnia obtusa	0.58000	-0.23657	.	.
0.07143	3.53477	Hyalella azteca (Tolerant)	0.14702	-0.83261	0.07100	0.08528
0.64286	5.36611	Hydra vulgaris	0.68492	-0.16436	0.15801	0.96132
0.92857	6.46523	Lymnaea acuminata	1.65384	0.21849	0.28491	1.30396
0.78571	5.79164	Tubifex tubifex (Tolerant)	0.72000	-0.14267	.	.

Cadmium SSD for Invertebrates - in very hard water at T>15C over short (<=1 day) exposure



Species Sensitivity Distribution (SSD 31) data for Invertebrate species exposed to cadmium in very hard water at T>15C over short (<=1 day) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
6	1.91712	4.83311	0.96588	0.087052	1.26769	4	0.041148

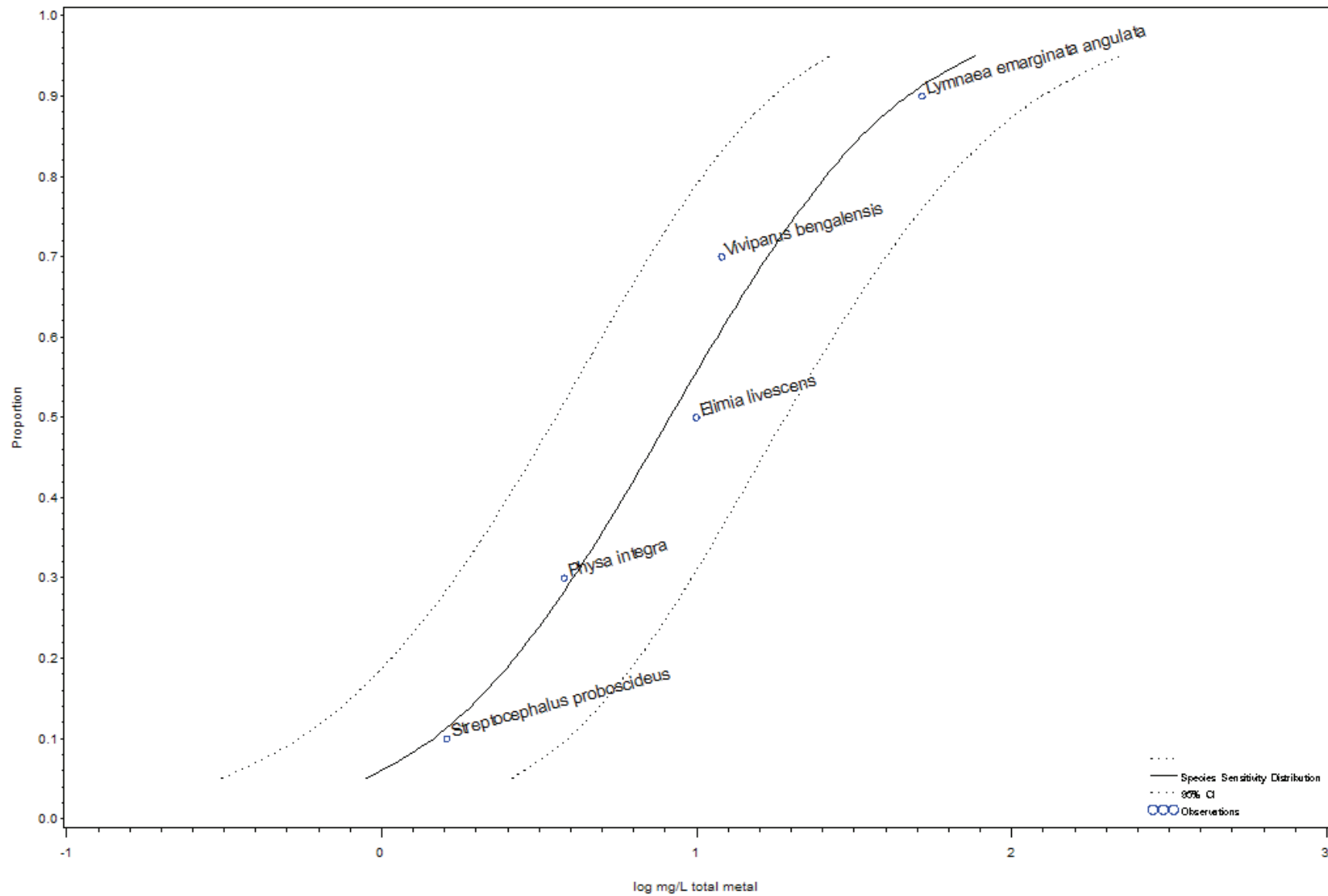
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.16946	0.3367	0.08529	-0.77093	-0.47275	-1.06911	1.48361
0.10	3.71845	0.26216	0.4973	0.13821	-0.58143	-0.30340	-0.85945	1.36963
0.20	4.15838	0.44468	0.8074	0.24491	-0.35195	-0.09292	-0.61099	1.26489
0.25	4.32551	0.54353	0.9747	0.30310	-0.26477	-0.01114	-0.51841	1.23558
0.30	4.47560	0.65090	1.1568	0.36625	-0.18648	0.06325	-0.43622	1.21450
0.50	5.00000	1.22195	2.1414	0.69728	0.08705	0.33070	-0.15659	1.18182
0.75	5.67449	2.74712	4.9262	1.53194	0.43888	0.69251	0.18524	1.23558
0.90	6.28155	5.69549	10.8033	3.00264	0.75553	1.03356	0.47750	1.36963
0.95	6.64485	8.81121	17.5071	4.43463	0.94504	1.24321	0.64686	1.48361

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.08333	3.61701	Daphnia magna	0.29394	-0.53174	0.37355	0.70249
0.25000	4.32551	Daphnia obtusa	0.62000	-0.20761	.	.
0.41667	4.78957	Hyalella azteca (Tolerant)	0.73988	-0.13084	0.42621	3.25755
0.75000	5.67449	Hydra vulgaris	2.70000	0.43136	.	.
0.91667	6.38299	Lymnaea acuminata	7.62000	0.88195	.	.
0.58333	5.21043	Tubifex tubifex (Tolerant)	1.20000	0.07918	.	.

Chromium SSD for Invertebrates - in hard water at T>15C over short (<=1 day) exposure



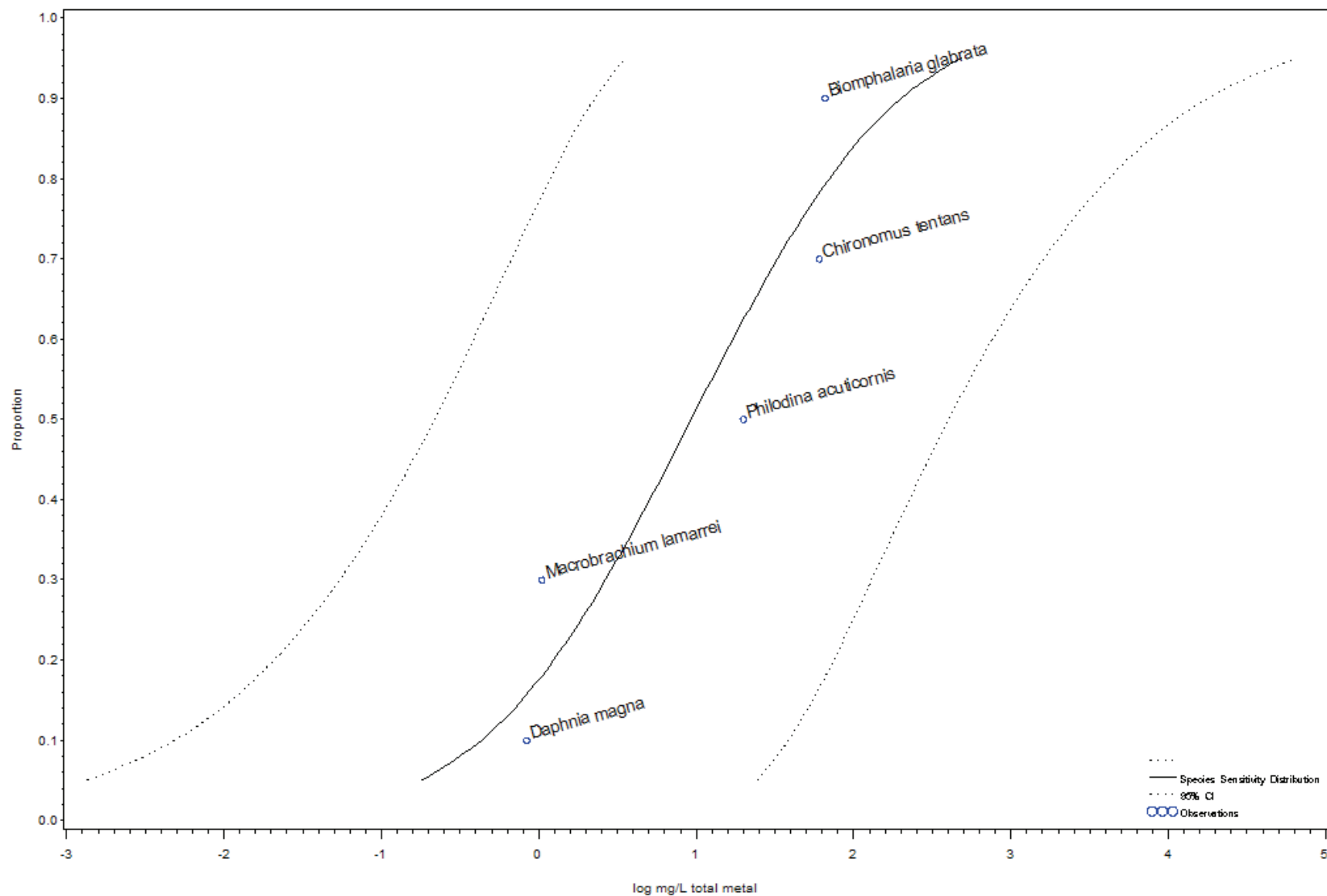
Species Sensitivity Distribution (SSD 54) data for Invertebrate species exposed to Chromium in hard water at T>15C over short (<=1 day) exposure

Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
5	1.70352	3.43840	0.97519	0.91669	1.28864	3	0.031708

Predicted Values								
Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.8936	1.960	0.4073	-0.04887	0.29230	-0.39004	1.73781
0.10	3.71845	1.4601	3.015	0.7070	0.16439	0.47934	-0.15056	1.58092
0.20	4.15838	2.6463	5.159	1.3573	0.42264	0.71260	0.13268	1.43678
0.25	4.32551	3.3170	6.361	1.7296	0.52075	0.80355	0.23794	1.39638
0.30	4.47560	4.0631	7.700	2.1441	0.60885	0.88646	0.33124	1.36730
0.50	5.00000	8.2544	15.352	4.4383	0.91669	1.18616	0.64721	1.32216
0.75	5.67449	20.5412	39.394	10.7108	1.31263	1.59543	1.02982	1.39638
0.90	6.28155	46.6641	96.368	22.5960	1.66898	1.98393	1.35403	1.58092
0.95	6.64485	76.2515	167.271	34.7598	1.88225	2.22342	1.54108	1.73781

Data Summary							
Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV	
0.5	5.00000	Elimia livescens	10.0000	1.00000	.	.	
0.9	6.28155	Lymnaea emarginata angulata	52.0000	1.71600	.	.	
0.3	4.47560	Physa integra	3.8000	0.57978	.	.	
0.1	3.71845	Streptocephalus proboscideus	1.6133	0.20772	0.22455	1.08105	
0.7	5.52440	Viviparus bengalensis	12.0208	1.07993	0.21286	0.19710	

Chromium SSD for Invertebrates - in moderately hard water at T>15C over moderate (1-3 days) exposure



Species Sensitivity Distribution (SSD 55) data for Invertebrate species exposed to Chromium in moderately hard water at T>15C over moderate (1-3 days) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
5	0.96158	4.06656	0.84122	0.97074	3.48876	3	0.20296

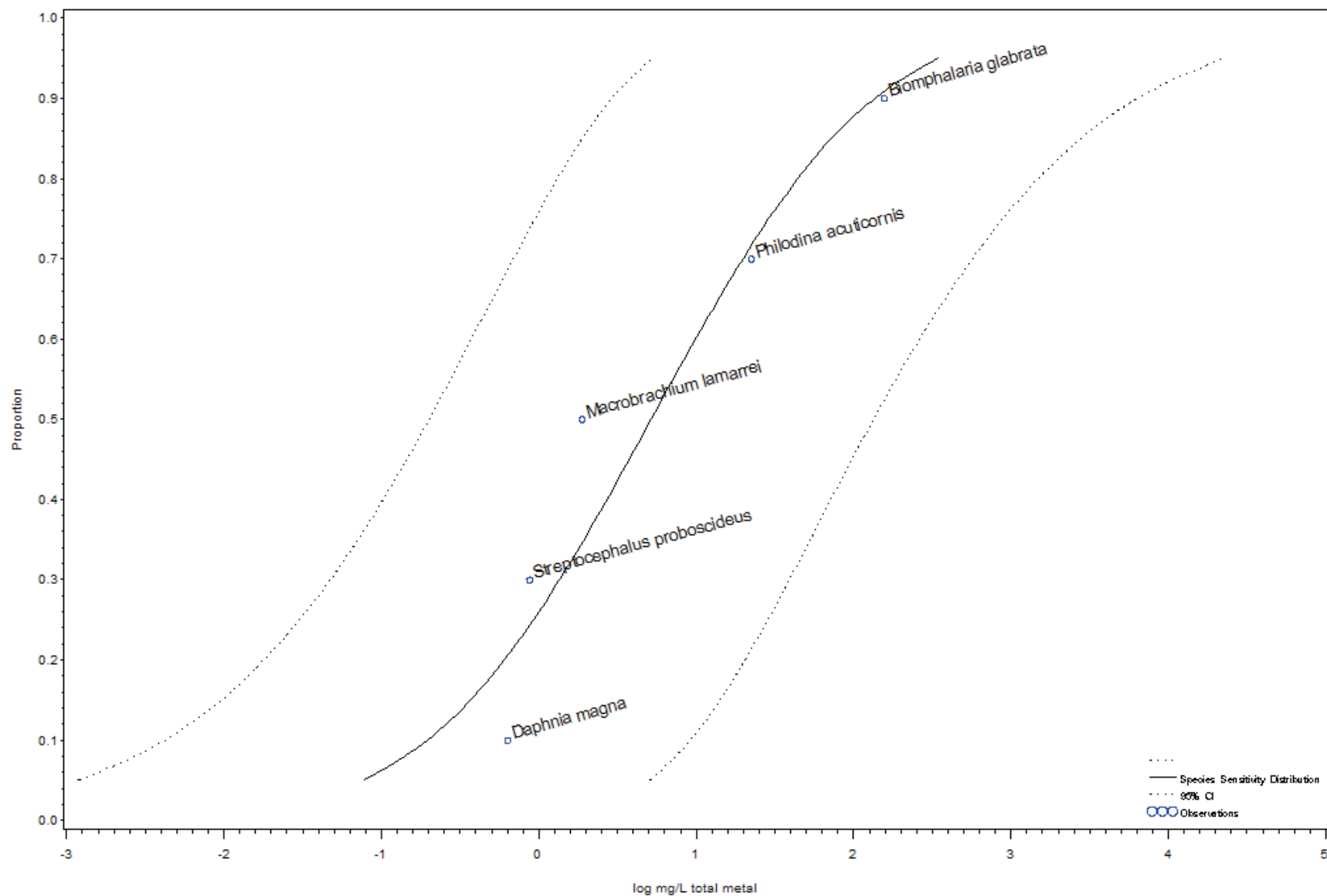
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.182	6.83	0.0049	-0.73983	0.83447	-2.31413	37.4963
0.10	3.71845	0.434	12.01	0.0157	-0.36202	1.07943	-1.80346	27.5976
0.20	4.15838	1.246	25.65	0.0605	0.09549	1.40917	-1.21819	20.5425
0.25	4.32551	1.859	35.17	0.0983	0.26930	1.54612	-1.00752	18.8626
0.30	4.47560	2.663	47.35	0.1498	0.42539	1.67536	-0.82459	17.7257
0.50	5.00000	9.348	150.85	0.5793	0.97074	2.17855	-0.23708	16.0747
0.75	5.67449	47.008	889.18	2.4852	1.67217	2.94899	0.39536	18.8626
0.90	6.28155	201.135	5558.12	7.2786	2.30349	3.74493	0.86205	27.5976
0.95	6.64485	480.070	18013.63	12.7940	2.68130	4.25560	1.10701	37.4963

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.9	6.28155	Biomphalaria glabrata	66.2000	1.82086	.	.
0.7	5.52440	Chironomus tentans	61.0000	1.78533	.	.
0.1	3.71845	Daphnia magna	0.8404	-0.07554	1.22131	16.1686
0.3	4.47560	Macrobrachium lamarrei	1.0533	0.02254	0.12452	5.5232
0.5	5.00000	Philodina acuticornis	19.9750	1.30049	0.03073	0.0236

Chromium SSD for Invertebrates - in moderately hard water at T>15C over short (<=1 day) exposure



Species Sensitivity Distribution (SSD 56) data for Invertebrate species exposed to Chromium in moderately hard water at T>15C over short (<=1 day) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
5	0.90255	4.35504	0.89552	0.71460	4.21564	3	0.13356

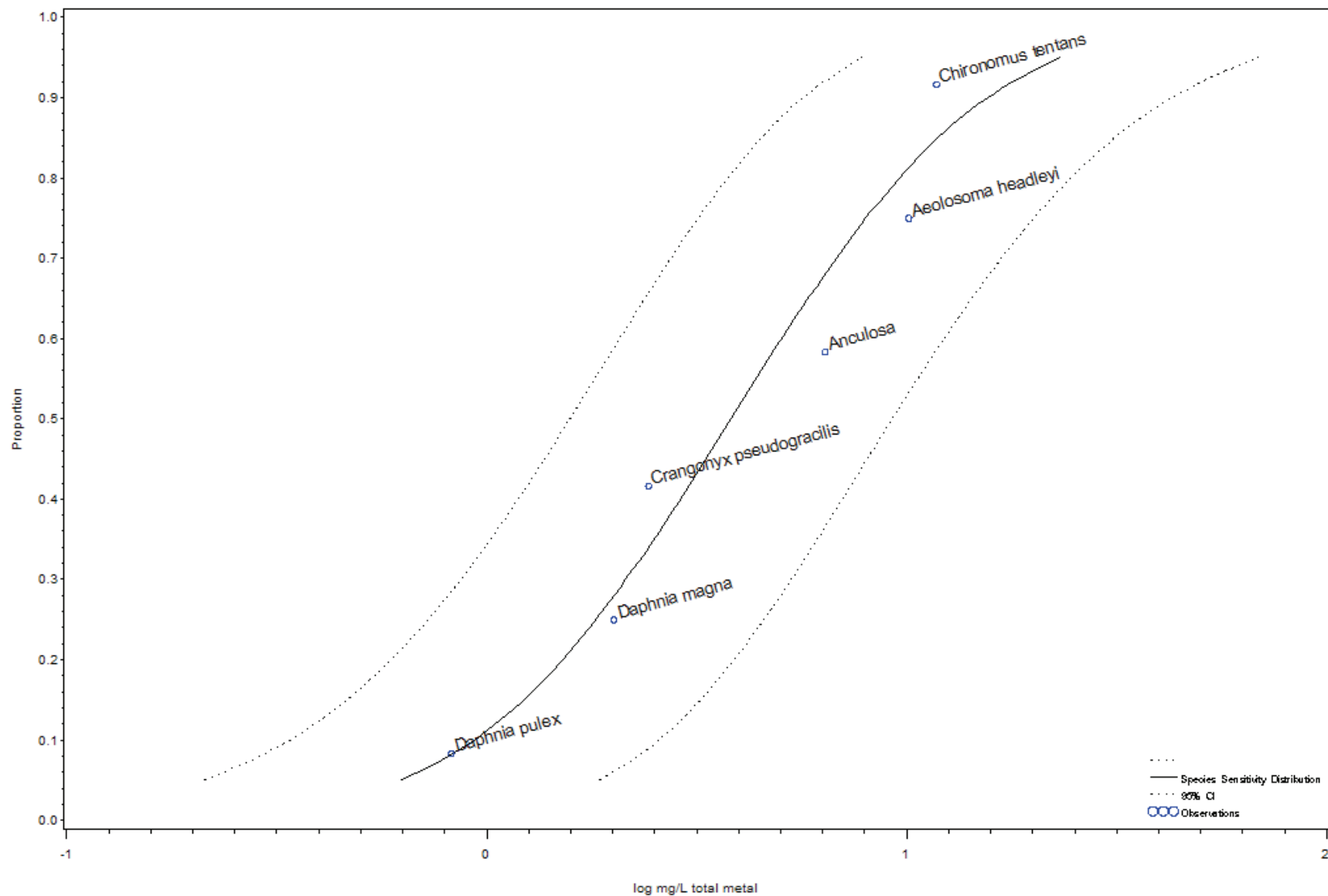
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.078	1.72	0.0035	-1.10784	0.23566	-2.45135	22.0094
0.10	3.71845	0.197	3.38	0.0115	-0.70532	0.52914	-1.93977	17.0993
0.20	4.15838	0.605	8.17	0.0449	-0.21789	0.91211	-1.34789	13.4156
0.25	4.32551	0.927	11.67	0.0737	-0.03271	1.06725	-1.13267	12.5086
0.30	4.47560	1.360	16.28	0.1136	0.13358	1.21170	-0.94453	11.8870
0.50	5.00000	5.183	57.34	0.4685	0.71460	1.75845	-0.32925	10.9720
0.75	5.67449	28.968	364.65	2.3012	1.46191	2.56187	0.36195	12.5086
0.90	6.28155	136.307	2338.69	7.9444	2.13452	3.36897	0.90006	17.0993
0.95	6.64485	344.385	7595.32	15.6150	2.53704	3.88055	1.19354	22.0094

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.9	6.28155	Biomphalaria glabrata	156.934	2.19572	0.15300	0.06968
0.1	3.71845	Daphnia magna	0.636	-0.19670	0.16373	0.83240
0.5	5.00000	Macrobrachium lamarrei	1.900	0.27875	.	.
0.7	5.52440	Philodina acuticornis	22.494	1.35208	0.01365	0.01010
0.3	4.47560	Streptocephalus proboscideus	0.877	-0.05685	0.26922	4.73565

Chromium SSD for Invertebrates - in soft water at T<=15C over moderate (1-3 days) exposure



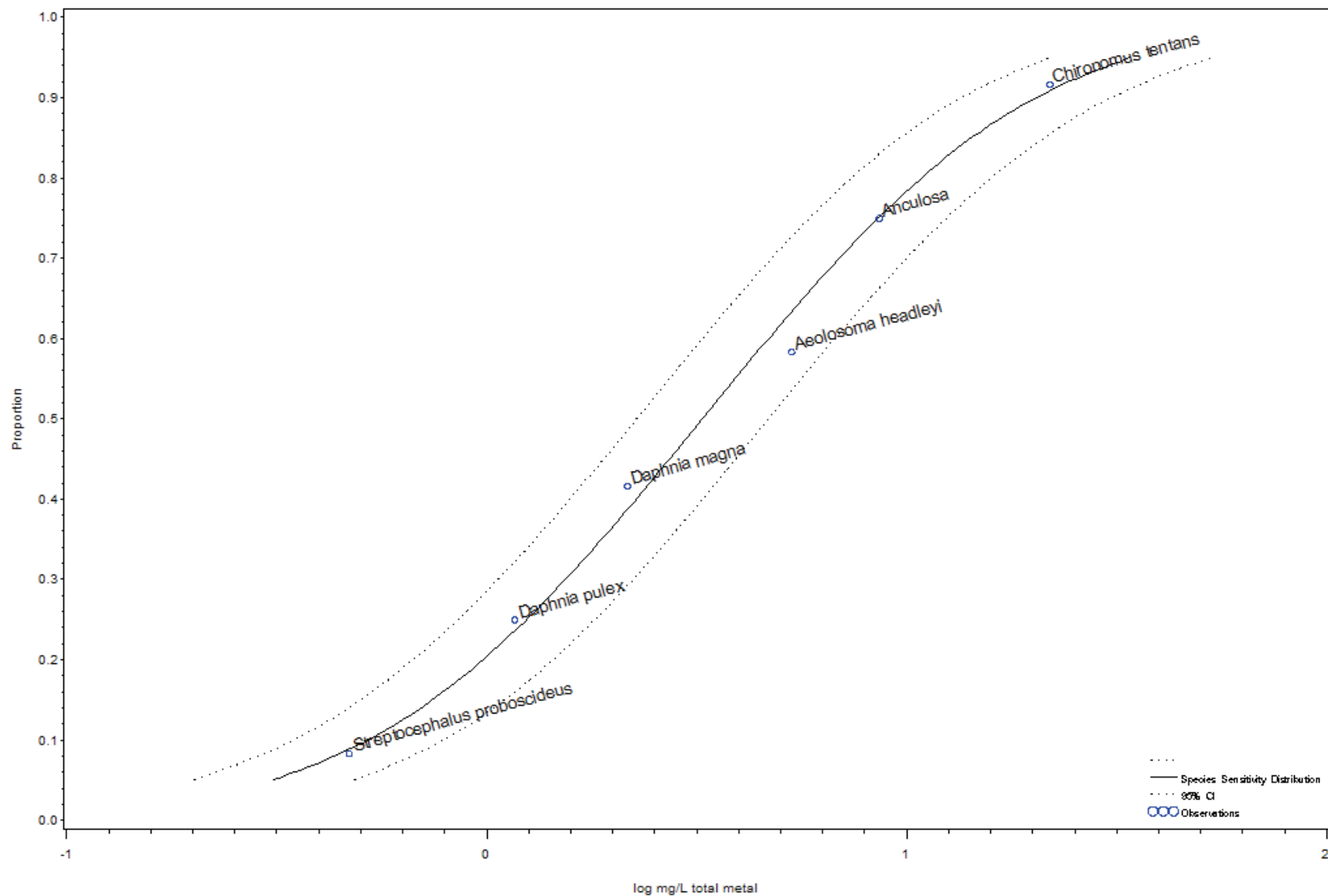
Species Sensitivity Distribution (SSD 57) data for Invertebrate species exposed to Chromium in soft water at T<=15C over moderate (1-3 days) exposure

Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
6	2.09904	3.77929	0.94022	0.58155	1.02938	4	0.072090

Predicted Values								
Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.6280	1.4455	0.2728	-0.20207	0.16003	-0.56416	1.86753
0.10	3.71845	0.9354	2.0332	0.4304	-0.02899	0.30818	-0.36615	1.71346
0.20	4.15838	1.5157	3.1206	0.7361	0.18060	0.49424	-0.13304	1.57321
0.25	4.32551	1.8206	3.6912	0.8980	0.26022	0.56716	-0.04672	1.53417
0.30	4.47560	2.1465	4.3035	1.0706	0.33173	0.63382	0.02963	1.50615
0.50	5.00000	3.8155	7.5179	1.9365	0.58155	0.87609	0.28701	1.46281
0.75	5.67449	7.9963	16.2117	3.9441	0.90289	1.20983	0.59595	1.53417
0.90	6.28155	15.5631	33.8270	7.1603	1.19210	1.52926	0.85493	1.71346
0.95	6.64485	23.1833	53.3668	10.0712	1.36518	1.72727	1.00308	1.86753

Data Summary							
Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV	
0.75000	5.67449	Aeolosoma headleyi	10.1335	1.00576	0.07431	0.07389	
0.58333	5.21043	Anculosa	6.4039	0.80645	0.20902	0.25919	
0.91667	6.38299	Chironomus tentans	11.8000	1.07188	.	.	
0.41667	4.78957	Crangonyx pseudogracilis	2.4327	0.38609	0.06175	0.15994	
0.25000	4.32551	Daphnia magna	2.0083	0.30283	0.12765	0.42151	
0.08333	3.61701	Daphnia pulex	0.8247	-0.08368	0.39193	4.68371	

Chromium SSD for Invertebrates - in soft water at T<=15C over short (<=1 day) exposure



Species Sensitivity Distribution (SSD 58) data for Invertebrate species exposed to Chromium in soft water at T<=15C over short (<=1 day) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
6	1.61215	4.17235	0.99410	0.51338	1.84504	4	.007116887

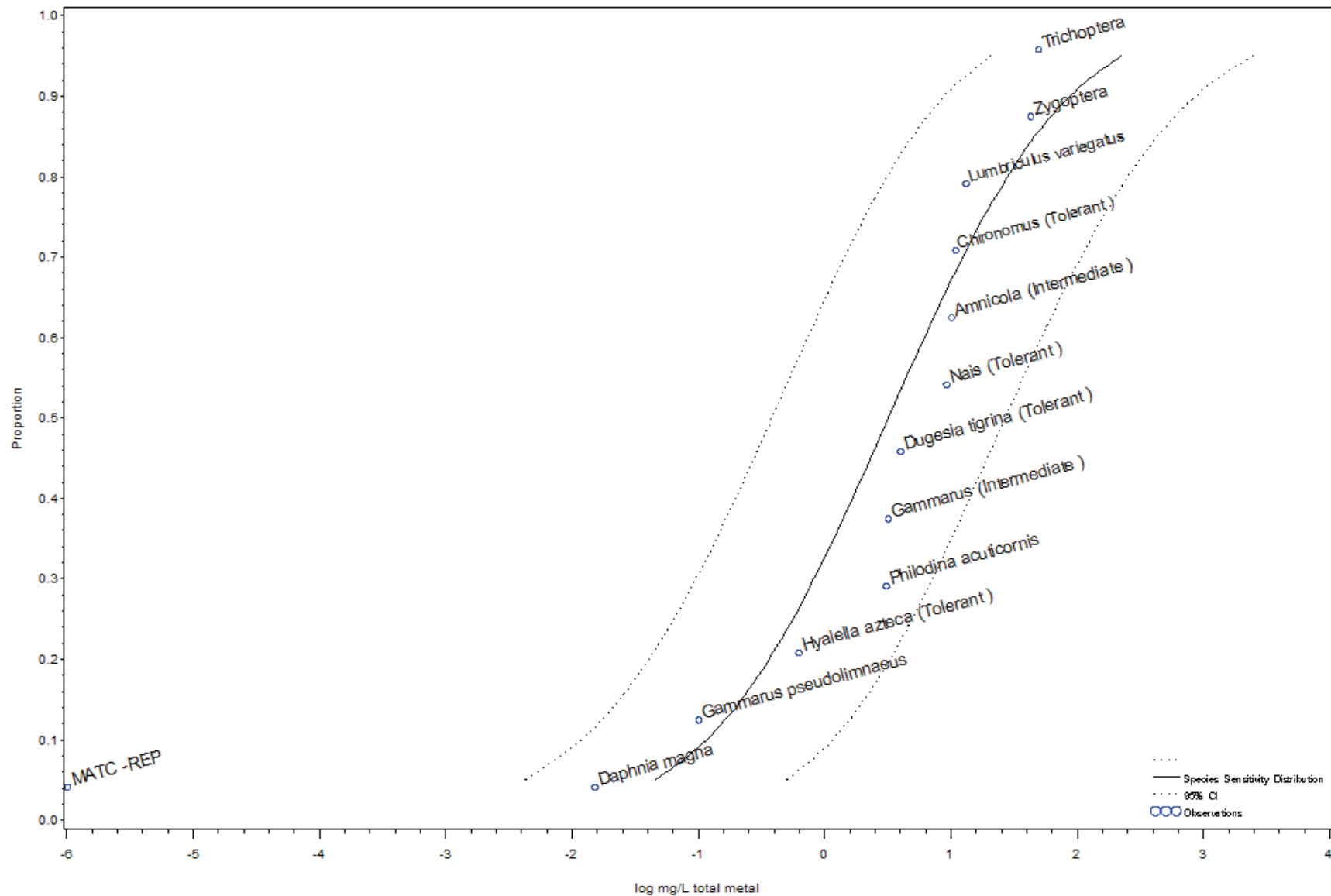
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.3112	0.4364	0.2220	-0.50690	-0.36014	-0.65367	0.68882
0.10	3.71845	0.5229	0.7170	0.3814	-0.28155	-0.14451	-0.41860	0.64164
0.20	4.15838	0.9802	1.3159	0.7302	-0.00867	0.11923	-0.13656	0.59753
0.25	4.32551	1.2445	1.6607	0.9326	0.09500	0.22030	-0.03030	0.58506
0.30	4.47560	1.5421	2.0489	1.1606	0.18810	0.31152	0.06468	0.57606
0.50	5.00000	3.2612	4.3040	2.4711	0.51338	0.63388	0.39289	0.56205
0.75	5.67449	8.5459	11.4040	6.4041	0.93176	1.05706	0.80646	0.58506
0.90	6.28155	20.3383	27.8842	14.8344	1.30831	1.44536	1.17127	0.64164
0.95	6.64485	34.1717	47.9107	24.3725	1.53367	1.68043	1.38690	0.68882

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.58333	5.21043	Aeolosoma headleyi	5.3274	0.72652	0.50291	0.69222
0.75000	5.67449	Anculosa	8.6149	0.93525	0.05886	0.06294
0.91667	6.38299	Chironomus tentans	21.9500	1.34143	.	.
0.41667	4.78957	Daphnia magna	2.1677	0.33601	0.10846	0.32280
0.25000	4.32551	Daphnia pulex	1.1696	0.06804	0.40355	5.93108
0.08333	3.61701	Streptocephalus proboscideus	0.4710	-0.32696	0.15112	0.46218

Chromium SSD for Invertebrates - in soft water at T>15C over long (3-30 days) exposure



Species Sensitivity Distribution (SSD 59) data for Invertebrate species exposed to Chromium in soft water at T>15C over long (3-30 days) exposure

Model Parameters								
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE	
12	0.89161	4.54936	0.88320	0.50542	11.9877	10	0.12602	

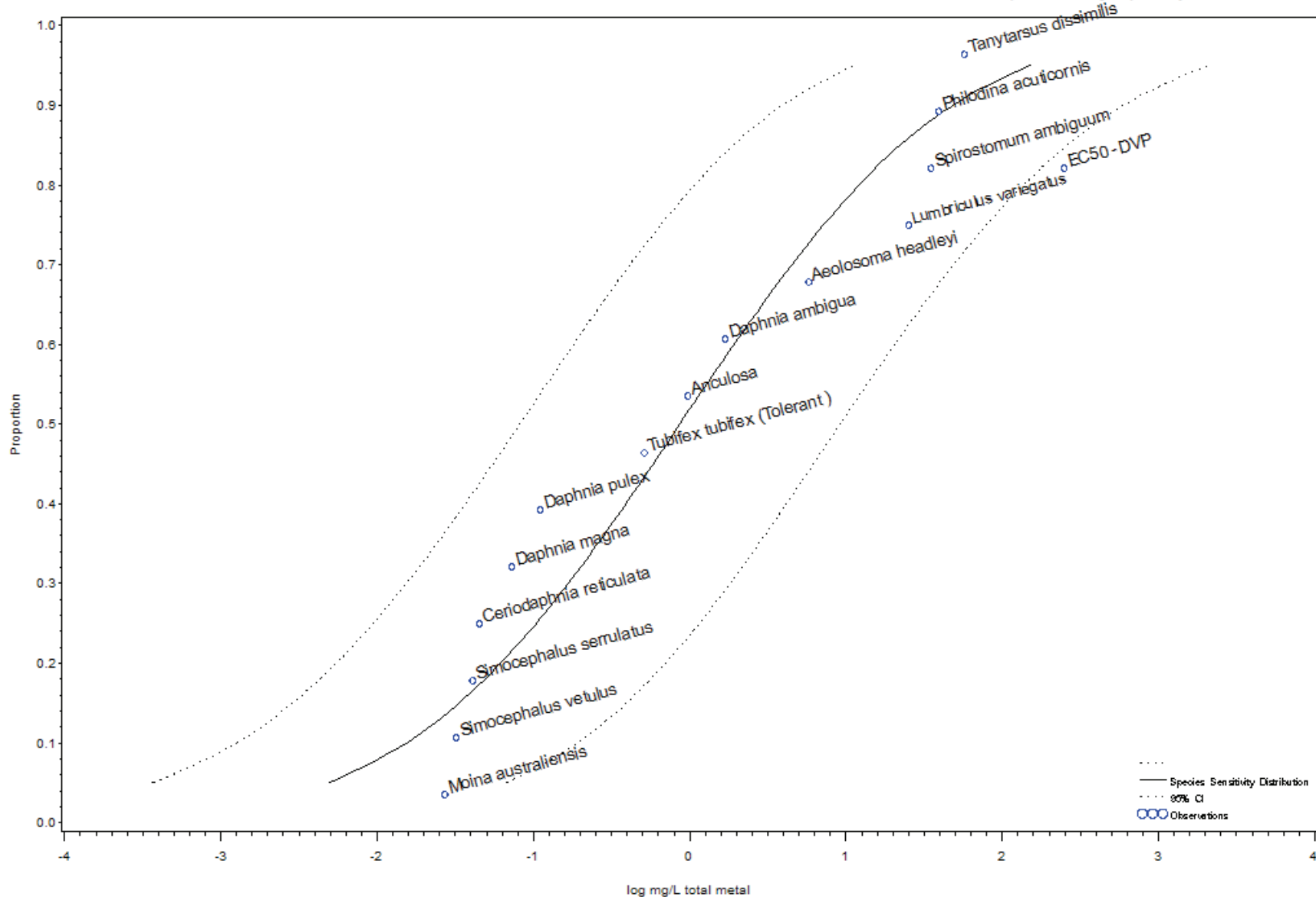
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log			Relative CIBreadth
					Central Tendency	log UpperCI	log LowerCI	
0.05	3.35515	0.046	0.32	0.0066	-1.33939	-0.49559	-2.18320	6.83585
0.10	3.71845	0.117	0.75	0.0182	-0.93193	-0.12328	-1.74057	6.28104
0.20	4.15838	0.364	2.18	0.0610	-0.43851	0.33793	-1.21496	5.80912
0.25	4.32551	0.561	3.28	0.0958	-0.25106	0.51641	-1.01854	5.68347
0.30	4.47560	0.827	4.77	0.1433	-0.08273	0.67831	-0.84377	5.59485
0.50	5.00000	3.202	18.05	0.5680	0.50542	1.25653	-0.24568	5.46034
0.75	5.67449	18.277	107.00	3.1220	1.26191	2.02938	0.49443	5.68347
0.90	6.28155	87.654	564.17	13.6184	1.94277	2.75141	1.13413	6.28104
0.95	6.64485	223.995	1563.29	32.0949	2.35024	3.19404	1.50644	6.83585

Data Summary

Proportion Species	PROBIT	taxa	Geometric		Standard Deviation	CV
			Mean	LogMean		
0.62500	5.31864	Amnicola (Intermediate)	10.2059	1.00885	0.11960	0.11855
0.70833	5.54852	Chironomus (Tolerant)	11.0000	1.04139	.	.
0.04167	3.26834	Daphnia magna	0.0153	-1.81597	0.22202	0.12226
0.04167	.	-->MATC -REP	.	-5.99146	.	.
0.45833	4.89537	Dugesia tigrina (Tolerant)	4.0257	0.60484	0.36555	0.60438
0.37500	4.68136	Gammarus (Intermediate)	3.2000	0.50515	.	.
0.12500	3.84965	Gammarus pseudolimnaeus	0.1010	-0.99568	.	.
0.20833	4.18778	Hyalella azteca (Tolerant)	0.6300	-0.20066	.	.
0.79167	5.81222	Lumbriculus variegatus	13.3000	1.12385	.	.
0.54167	5.10463	Nais (Tolerant)	9.3000	0.96848	.	.
0.29167	4.45148	Philodina acuticornis	3.1000	0.49136	0.00000	0.00000
0.95833	6.73166	Trichoptera	50.0000	1.69897	.	.
0.87500	6.15035	Zygoptera	43.1000	1.63448	.	.

Chromium SSD for Invertebrates - in soft water at T>15C over moderate (1-3 days) exposure



Species Sensitivity Distribution (SSD 60) data for Invertebrate species exposed to Chromium in soft water at T>15C over moderate (1-3 days) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	GrandMean	CorrSSQ	DF	MSE
14	0.73366	5.04611	0.89576	-0.062847	21.2749	12	0.111105

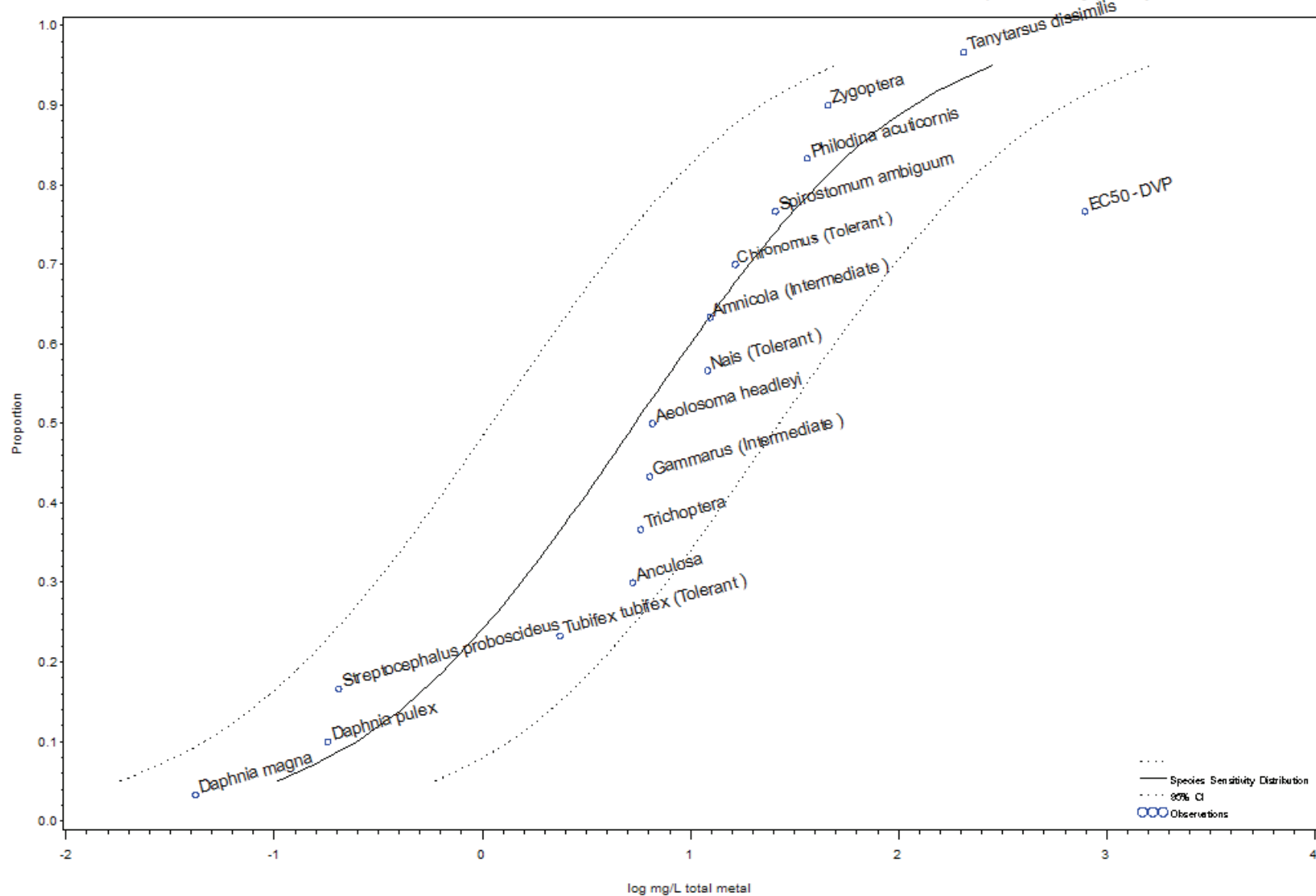
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.005	0.04	0.0006	-2.30483	-1.37909	-3.23057	8.30964
0.10	3.71845	0.016	0.12	0.0020	-1.80964	-0.91737	-2.70191	7.67503
0.20	4.15838	0.062	0.45	0.0085	-1.21000	-0.34820	-2.07180	7.13693
0.25	4.32551	0.104	0.74	0.0146	-0.98220	-0.12885	-1.83554	6.99398
0.30	4.47560	0.167	1.17	0.0237	-0.77762	0.06967	-1.62491	6.89323
0.50	5.00000	0.865	5.96	0.1257	-0.06285	0.77510	-0.90080	6.74048
0.75	5.67449	7.186	51.27	1.0073	0.85650	1.70985	0.00316	6.99398
0.90	6.28155	48.300	376.89	6.1898	1.68395	2.57622	0.79167	7.67503
0.95	6.64485	151.056	1273.14	17.9225	2.17914	3.10488	1.25340	8.30964

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.67857	5.46371	Aeolosoma headleyi	5.7966	0.76317	0.11586	0.1518
0.53571	5.08964	Anculosa	0.9798	-0.00886	0.12452	14.0467
0.25000	4.32551	Ceriodaphnia reticulata	0.0452	-1.34486	.	.
0.60714	5.27188	Daphnia ambigua	1.7000	0.23045	.	.
0.32143	4.53629	Daphnia magna	0.0729	-1.13738	0.96863	0.8516
0.39286	4.72812	Daphnia pulex	0.1111	-0.95420	0.44431	0.4656
0.75000	5.67449	Lumbriculus variegatus	25.3000	1.40312	.	.
0.03571	3.19726	Moina australiensis	0.0273	-1.56456	0.09959	0.0637
0.89286	6.24187	Philodina acuticornis	39.4968	1.59656	0.14483	0.0907
0.17857	4.07918	Simocephalus serrulatus	0.0409	-1.38828	.	.
0.10714	3.75813	Simocephalus vetulus	0.0323	-1.49080	.	.
0.82143	5.92082	Spirostomum ambiguum	35.2000	1.54654	.	.
0.82143	.	-->EC50 -DVP	.	2.39790	.	.
0.96429	6.80274	Tanytarsus dissimilis	57.3000	1.75815	.	.
0.46429	4.91036	Tubifex tubifex (Tolerant)	0.5141	-0.28892	0.78979	2.7336

Chromium SSD for Invertebrates - in soft water at T>15C over short (<=1 day) exposure



Species Sensitivity Distribution (SSD 61) data for Invertebrate species exposed to Chromium in soft water at T>15C over short (<=1 day) exposure

Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
15	0.95749	4.29625	0.91695	0.73500	13.7837	13	0.088041

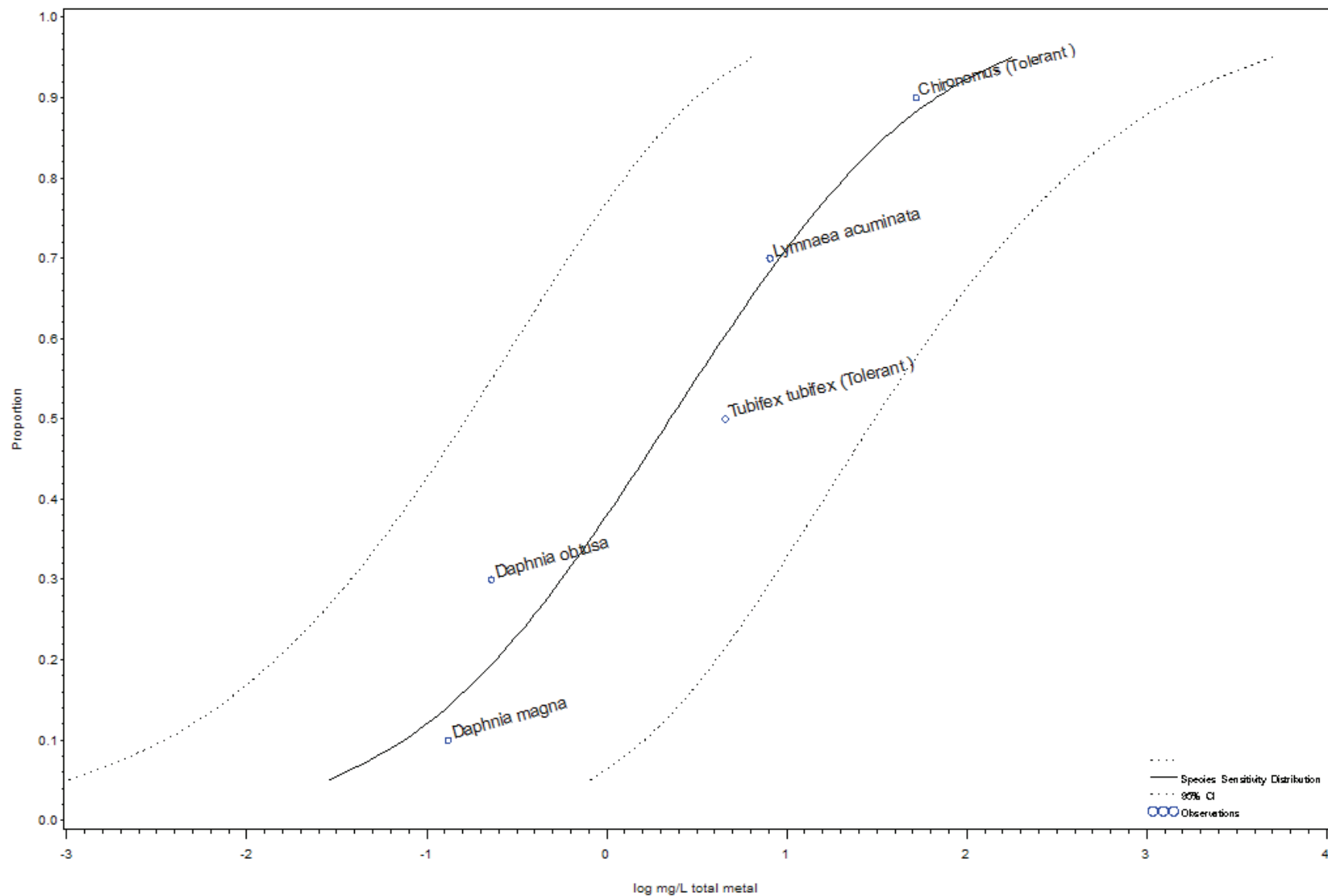
Predicted Values

Proportion Species	Probt	Central			log			Relative CIBreadth
		Tendency	UpperCI	LowerCI	Central Tendency	UpperCI	LowerCI	
0.05	3.35515	0.104	0.43	0.0249	-0.98288	-0.36180	-1.60396	3.93976
0.10	3.71845	0.249	0.99	0.0625	-0.60345	-0.00312	-1.20378	3.73312
0.20	4.15838	0.718	2.74	0.1882	-0.14399	0.43751	-0.72548	3.55288
0.25	4.32551	1.073	4.04	0.2846	0.03056	0.60684	-0.54572	3.50417
0.30	4.47560	1.539	5.75	0.4119	0.18732	0.75986	-0.38523	3.46962
0.50	5.00000	5.432	20.04	1.4730	0.73500	1.30179	0.16821	3.41687
0.75	5.67449	27.506	103.68	7.2972	1.43943	2.01571	0.86315	3.50417
0.90	6.28155	118.426	471.82	29.7245	2.07345	2.67378	1.47312	3.73312
0.95	6.64485	283.713	1185.65	67.8892	2.45288	3.07396	1.83180	3.93976

Data Summary

Proportion Species	PROBIT	taxa	Geometric		Standard Deviation	CV
			Mean	LogMean		
0.50000	5.00000	Aeolosoma headleyi	6.609	0.82014	0.10176	0.12407
0.63333	5.34069	Amnicola (Intermediate)	12.452	1.09522	0.12250	0.11185
0.30000	4.47560	Anculosa	5.292	0.72358	0.03480	0.04810
0.70000	5.52440	Chironomus (Tolerant)	16.500	1.21748	.	.
0.03333	3.16609	Daphnia magna	0.042	-1.37687	0.30378	0.22063
0.10000	3.71845	Daphnia pulex	0.182	-0.74062	0.24127	0.32577
0.43333	4.83211	Gammarus (Intermediate)	6.400	0.80618	.	.
0.56667	5.16789	Nais (Tolerant)	12.100	1.08279	.	.
0.83333	5.96742	Philodina acuticornis	36.431	1.56147	0.08737	0.05595
0.76667	5.72791	Spirostomum ambiguum	25.700	1.40993	.	.
0.76667	.	-->EC50 -DVP	.	2.89591	.	.
0.16667	4.03258	Streptocephalus proboscideus	0.205	-0.68886	0.32720	0.47498
0.96667	6.83391	Tanytarsus dissimilis	206.000	2.31387	.	.
0.36667	4.65931	Trichoptera	5.800	0.76343	.	.
0.23333	4.27209	Tubifex tubifex (Tolerant)	2.369	0.37449	1.24165	3.31560
0.90000	6.28155	Zygoptera	46.000	1.66276	.	.

Chromium SSD for Invertebrates - in very hard water at T>15C over moderate (1-3 days) exposure



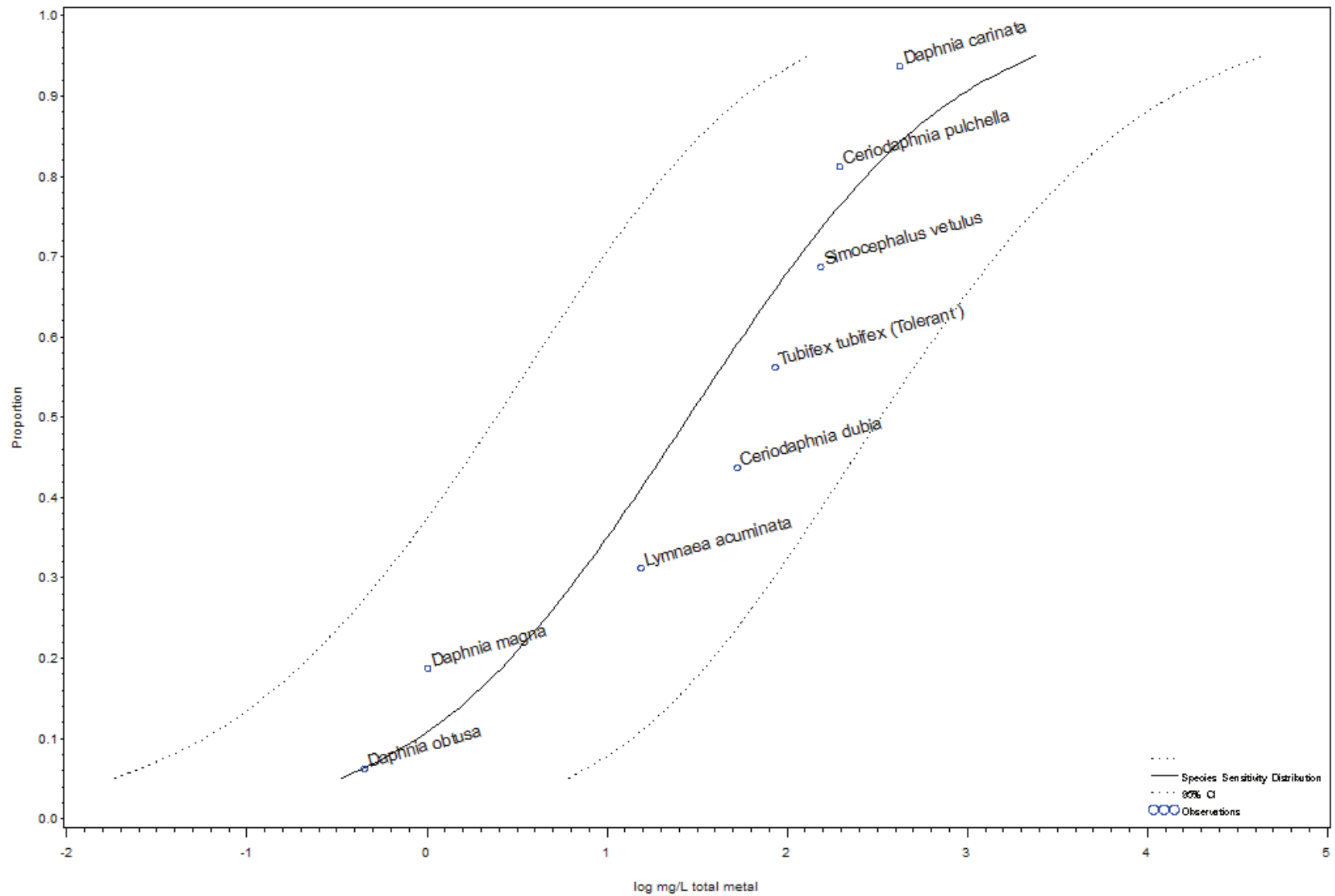
Species Sensitivity Distribution (SSD 62) data for Invertebrate species exposed to Chromium in very hard water at T>15C over moderate (1-3 days) exposure

Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
5	0.86804	4.69283	0.93752	0.35386	4.77133	3	0.079869

Predicted Values								
Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.029	0.34	0.0024	-1.54105	-0.47041	-2.61169	11.6812
0.10	3.71845	0.075	0.73	0.0078	-1.12252	-0.13628	-2.10875	9.5847
0.20	4.15838	0.242	1.95	0.0301	-0.61570	0.28991	-1.52132	7.9223
0.25	4.32551	0.377	2.88	0.0495	-0.42317	0.45931	-1.30564	7.4980
0.30	4.47560	0.562	4.12	0.0766	-0.25026	0.61540	-1.11592	7.2032
0.50	5.00000	2.259	15.60	0.3270	0.35386	1.19319	-0.48546	6.7628
0.75	5.67449	13.517	103.13	1.7718	1.13089	2.01336	0.24842	7.4980
0.90	6.28155	67.646	655.36	6.9825	1.83024	2.81648	0.84401	9.5847
0.95	6.64485	177.328	2086.48	15.0710	2.24878	3.31941	1.17814	11.6812

Data Summary						
Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.9	6.28155	Chironomus (Tolerant)	52.4199	1.71950	0.32352	0.18815
0.1	3.71845	Daphnia magna	0.1319	-0.87963	0.79541	0.90426
0.3	4.47560	Daphnia obtusa	0.2300	-0.63827	.	.
0.7	5.52440	Lymnaea acuminata	8.0875	0.90781	0.11103	0.12230
0.5	5.00000	Tubifex tubifex (Tolerant)	4.5700	0.65992	.	.

Chromium SSD for Invertebrates - in very hard water at T>15C over short (<=1 day) exposure



Species Sensitivity Distribution (SSD 63) data for Invertebrate species exposed to Chromium in very hard water at T>15C over short (<=1 day) exposure

Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
8	0.85364	3.76075	0.89150	1.45172	8.32942	6	0.12311

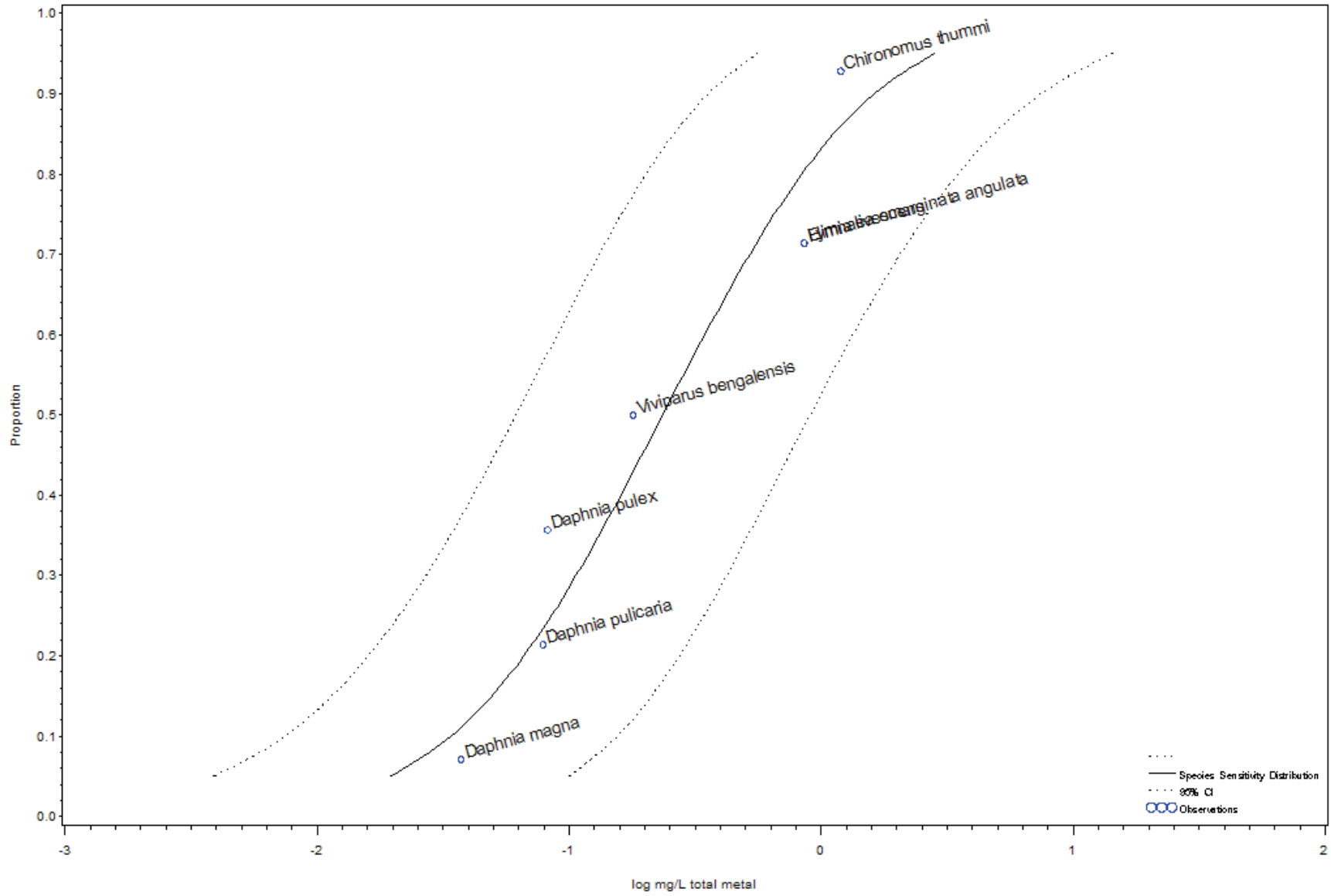
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log			Relative CIBreadth
					Central Tendency	log UpperCI	log LowerCI	
0.05	3.35515	0.33	3.36	0.033	-0.47514	0.52588	-1.47616	9.92377
0.10	3.71845	0.89	7.83	0.102	-0.04955	0.89400	-0.99311	8.66740
0.20	4.15838	2.92	22.69	0.377	0.46580	1.35582	-0.42422	7.63396
0.25	4.32551	4.59	34.40	0.612	0.66159	1.53651	-0.21334	7.36432
0.30	4.47560	6.88	50.29	0.940	0.83741	1.70146	-0.02664	7.17552
0.50	5.00000	28.30	199.01	4.023	1.45172	2.29888	0.60455	6.89117
0.75	5.67449	174.52	1308.50	23.277	2.24185	3.11677	1.36692	7.36432
0.90	6.28155	897.40	7880.35	102.195	2.95299	3.89655	2.00943	8.66740
0.95	6.64485	2390.99	23966.14	238.537	3.37858	4.37960	2.37756	9.92377

Data Summary

Proportion Species	PROBIT	taxa	Geometric		Standard Deviation	CV
			Mean	LogMean		
0.4375	4.84269	Ceriodaphnia dubia	53.000	1.72428	.	.
0.8125	5.88715	Ceriodaphnia pulchella	196.000	2.29226	.	.
0.9375	6.53412	Daphnia carinata	423.000	2.62634	.	.
0.1875	4.11285	Daphnia magna	1.013	0.00558	0.60242	107.983
0.0625	3.46588	Daphnia obtusa	0.450	-0.34679	.	.
0.3125	4.51122	Lymnaea acuminata	15.490	1.19005	.	.
0.6875	5.48878	Simocephalus vetulus	154.000	2.18752	.	.
0.5625	5.15731	Tubifex tubifex (Tolerant)	86.000	1.93450	.	.

Copper SSD for Invertebrates - in hard water at T>15C over moderate (1-3 days) exposure



Species Sensitivity Distribution (SSD 78) data for Invertebrate species exposed to copper in hard water at T>15C over moderate (1-3 days) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
7	1.52549	5.95802	0.90792	-0.63043	2.22191	5	0.10488

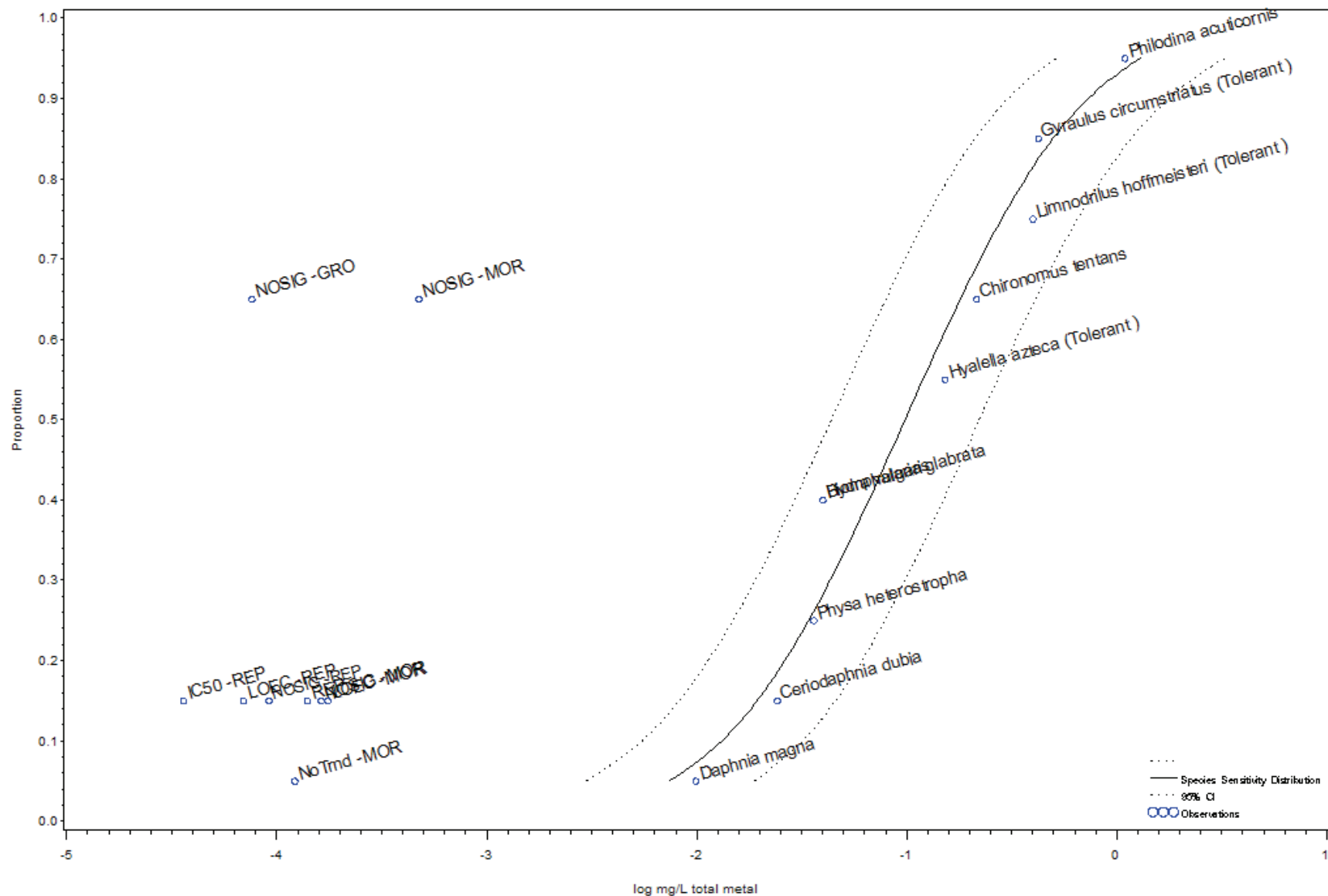
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.01967	0.0701	0.00552	-1.70626	-1.15448	-2.25803	3.28201
0.10	3.71845	0.03403	0.1118	0.01036	-1.46810	-0.95145	-1.98475	2.98154
0.20	4.15838	0.06611	0.2014	0.02171	-1.17972	-0.69599	-1.66344	2.71763
0.25	4.32551	0.08508	0.2537	0.02854	-1.07016	-0.59575	-1.54456	2.64589
0.30	4.47560	0.10672	0.3133	0.03635	-0.97177	-0.50408	-1.43946	2.59489
0.50	5.00000	0.23550	0.6750	0.08216	-0.62801	-0.17069	-1.08533	2.51737
0.75	5.67449	0.65183	1.9450	0.21845	-0.18586	0.28891	-0.66064	2.64872
0.90	6.28155	1.62960	5.3627	0.49520	0.21208	0.72938	-0.30522	2.98690
0.95	6.64485	2.81991	10.0645	0.79009	0.45024	1.00279	-0.10232	3.28891

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.92857	6.46523	Chironomus thummi	1.20000	0.07918	.	.
0.07143	3.53477	Daphnia magna	0.03726	-1.42872	0.31590	0.22111
0.35714	4.63389	Daphnia pulex	0.08236	-1.08427	.	.
0.21429	4.20836	Daphnia pulex	0.07880	-1.10347	.	.
0.71429	5.56595	Elimia livescens	0.86000	-0.06550	.	.
0.71429	5.56595	Lymnaea emarginata angulata	0.86000	-0.06550	.	.
0.50000	5.00000	Viviparus bengalensis	0.18000	-0.74473	0.24903	0.33439

Copper SSD for Invertebrates - in moderately hard water at T>15C over long (3-30 days) exposure



Species Sensitivity Distribution (SSD 79) data for Invertebrate species exposed to copper in moderately hard water at T>15C over long (3-30 days) exposure

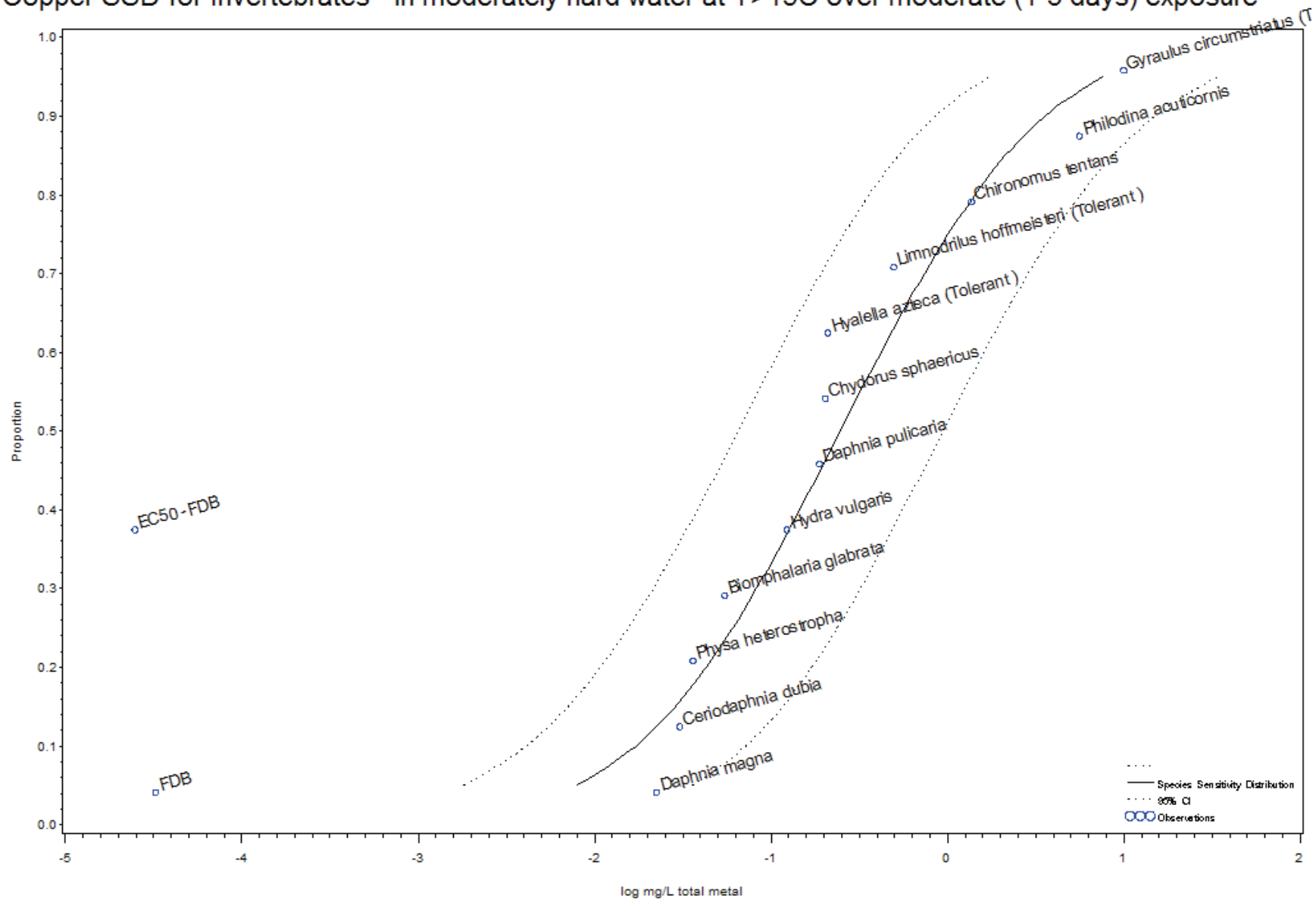
Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
10	1.47021	6.48040	0.95803	-1.00664	3.88353	8	0.045965

Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log		Relative CIBreadth
					Central Tendency	log UpperCI log LowerCI	
0.05	3.35515	0.00749	0.01577	0.00356	-2.12572	-1.80231 -2.44914	1.63092
0.10	3.71845	0.01322	0.02692	0.00650	-1.87861	-1.56993 -2.18729	1.54427
0.20	4.15838	0.02634	0.05197	0.01335	-1.57938	-1.28426 -1.87451	1.46613
0.25	4.32551	0.03422	0.06693	0.01750	-1.46570	-1.17437 -1.75704	1.44456
0.30	4.47560	0.04329	0.08414	0.02227	-1.36362	-1.07500 -1.65223	1.42914
0.50	5.00000	0.09842	0.18944	0.05113	-1.00693	-0.72253 -1.29134	1.40537
0.75	5.67449	0.28304	0.55355	0.14472	-0.54816	-0.25684 -0.83948	1.44446
0.90	6.28155	0.73240	1.49073	0.35983	-0.13525	0.17340 -0.44390	1.54409
0.95	6.64485	1.29378	2.72420	0.61444	0.11186	0.43524 -0.21152	1.63070

			Data Summary			
Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.40	4.74665	Biomphalaria glabrata	0.04000	-1.39794	.	.
0.15	3.96357	Ceriodaphnia dubia	0.02426	-1.61507	0.51421	0.31838
0.15	.	-->IC50 -REP	.	-4.44264	0.71865	.
0.15	.	-->LOEC -MOR	.	-3.75487	0.62921	.
0.15	.	-->LOEC -REP	.	-4.15723	0.50279	.
0.15	.	-->NOSIG -MOR	.	-3.78634	1.06521	.
0.15	.	-->NOSIG -REP	.	-4.03559	1.25702	.
0.15	.	-->REP	.	-3.85313	0.49013	.
0.65	5.38532	Chironomus tentans	0.21571	-0.66613	0.65597	0.98475
0.65	.	-->NOSIG -GRO	.	-4.11659	.	.
0.65	.	-->NOSIG -MOR	.	-3.32146	.	.
0.05	3.35515	Daphnia magna	0.00991	-2.00373	0.02306	0.01151
0.05	.	-->NoTrend -MOR	.	-3.91202	.	.
0.85	6.03643	Gyraulius circumstriatus (Tolerant)	0.42500	-0.37161	.	.
0.55	5.12566	Hyalella azteca (Tolerant)	0.15260	-0.81644	0.64490	0.78989
0.40	4.74665	Hydra vulgaris	0.04000	-1.39794	.	.
0.75	5.67449	Limnodrilus hoffmeisteri (Tolerant)	0.40000	-0.39794	.	.
0.95	6.64485	Philodina acuticornis	1.10000	0.04139	0.00000	0.00000
0.25	4.32551	Physa heterostropha	0.03623	-1.44098	0.38968	0.27043

Copper SSD for Invertebrates - in moderately hard water at T>15C over moderate (1-3 days) exposure



Species Sensitivity Distribution (SSD 80) data for Invertebrate species exposed to copper in moderately hard water at T>15C over moderate (1-3 days) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
12	1.10470	5.67067	0.92922	-0.60710	8.21584	10	0.076369

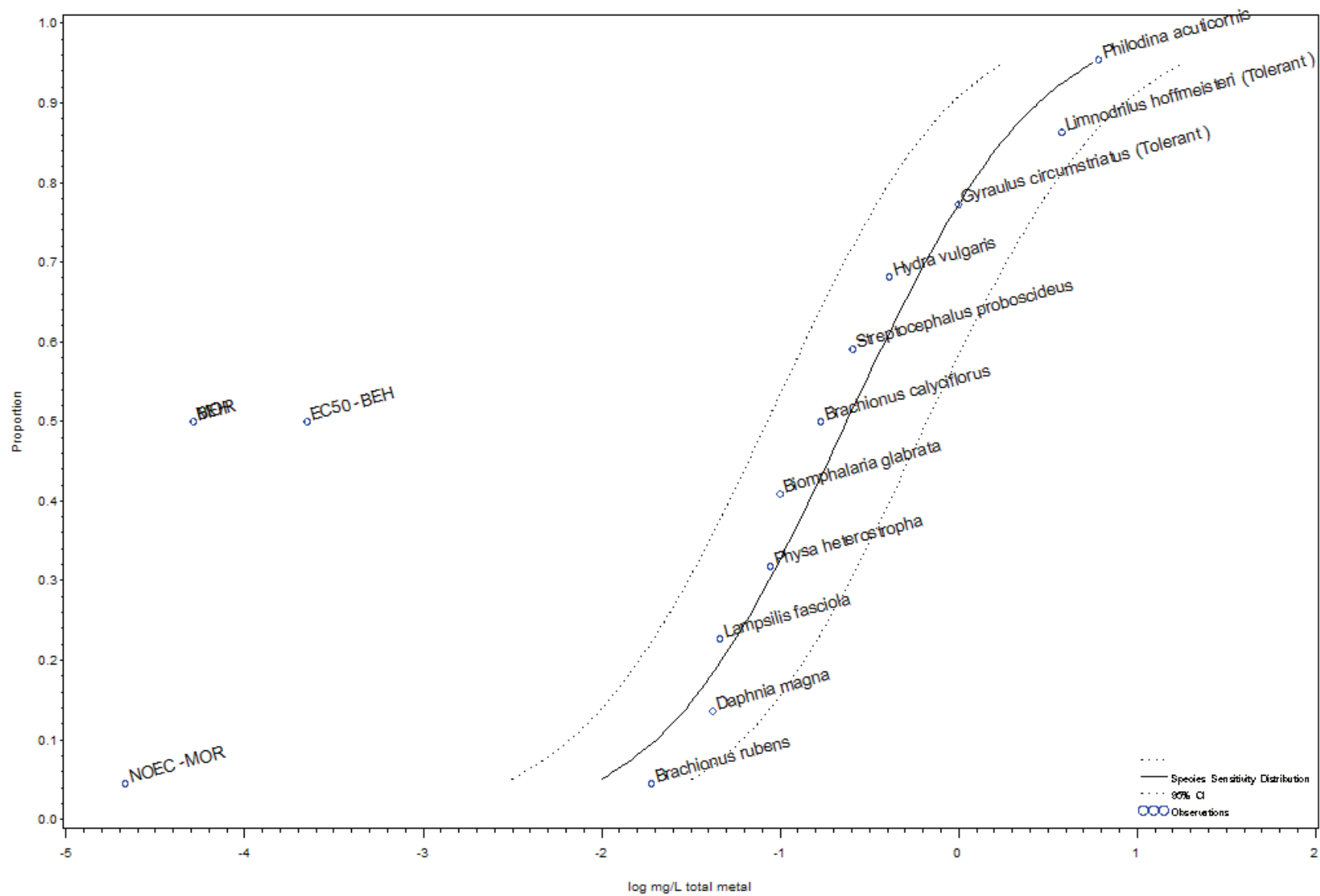
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.00802	0.0270	0.00238	-2.09606	-1.56864	-2.62348	3.07151
0.10	3.71845	0.01709	0.0548	0.00533	-1.76719	-1.26086	-2.27353	2.89710
0.20	4.15838	0.04276	0.1313	0.01393	-1.36896	-0.88190	-1.85601	2.74363
0.25	4.32551	0.06058	0.1837	0.01998	-1.21767	-0.73597	-1.69936	2.70191
0.30	4.47560	0.08283	0.2489	0.02756	-1.08180	-0.60395	-1.55965	2.67226
0.50	5.00000	0.24711	0.7325	0.08336	-0.60710	-0.13519	-1.07902	2.62688
0.75	5.67449	1.00799	3.0560	0.33248	0.00346	0.48515	-0.47824	2.70191
0.90	6.28155	3.57259	11.4635	1.11339	0.55298	1.05932	0.04665	2.89710
0.95	6.64485	7.61819	25.6610	2.26167	0.88185	1.40927	0.35443	3.07151

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.29167	4.45148	Biomphalaria glabrata	0.0548	-1.26144	0.05599	0.04439
0.12500	3.84965	Ceriodaphnia dubia	0.0305	-1.51519	0.44633	0.29457
0.79167	5.81222	Chironomus tentans	1.3711	0.13706	0.88793	6.47826
0.54167	5.10463	Chydorus sphaericus	0.2038	-0.69089	0.03013	0.04361
0.04167	3.26834	Daphnia magna	0.0224	-1.64913	0.74840	0.45381
0.04167	.	-->FDB	.	-4.48739	.	.
0.45833	4.89537	Daphnia pulicaria	0.1885	-0.72468	0.26558	0.36647
0.95833	6.73166	Gyraululus circumstriatus (Tolerant)	10.0000	1.00000	0.00000	0.00000
0.62500	5.31864	Hyalella azteca (Tolerant)	0.2109	-0.67589	0.78243	1.15763
0.37500	4.68136	Hydra vulgaris	0.1233	-0.90908	0.26563	0.29220
0.37500	.	-->EC50 -FDB	.	-4.60517	.	.
0.70833	5.54852	Limnodrilus hoffmeisteri (Tolerant)	0.4978	-0.30295	0.10437	0.34452
0.87500	6.15035	Philodina acuticornis	5.5964	0.74791	0.02194	0.02934
0.20833	4.18778	Physa heterostropha	0.0362	-1.44098	0.34854	0.24188

Copper SSD for Invertebrates - in moderately hard water at T>15C over short (<=1 day) exposure



Species Sensitivity Distribution (SSD 81) data for Invertebrate species exposed to copper in moderately hard water at T>15C over short (<=1 day) exposure

Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
11	1.19773	5.74817	0.95267	-0.62466	6.50386	9	0.051502

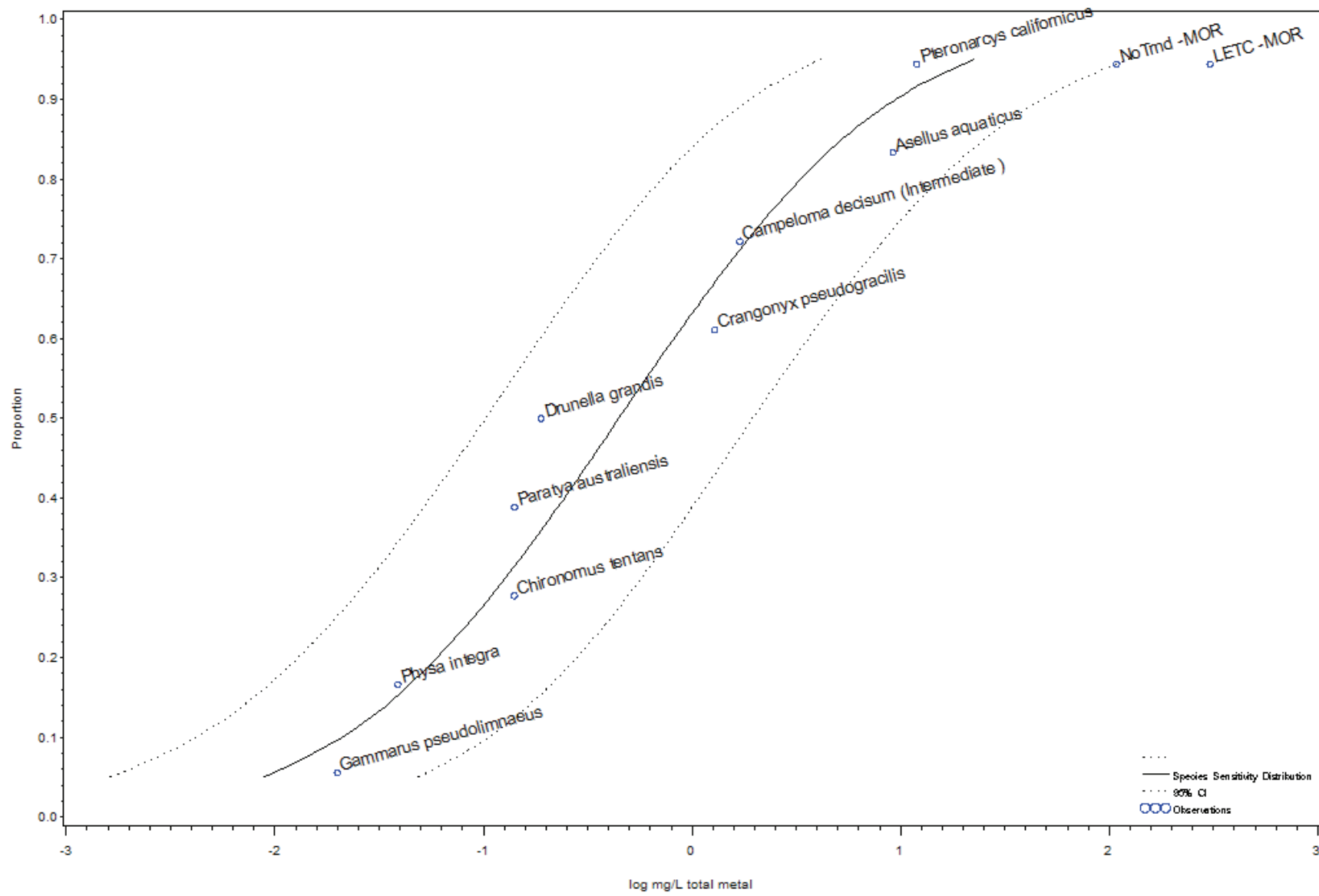
Predicted Values

Proportion Species	Probt	Central			log			Relative CIBreadth
		Tendency	UpperCI	LowerCI	Central Tendency	UpperCI	LowerCI	
0.05	3.35515	0.01005	0.0257	0.00393	-1.99797	-1.58982	-2.40612	2.16878
0.10	3.71845	0.02020	0.0497	0.00821	-1.69464	-1.30369	-2.08559	2.05359
0.20	4.15838	0.04706	0.1116	0.01984	-1.32734	-0.95215	-1.70253	1.95088
0.25	4.32551	0.06489	0.1524	0.02763	-1.18780	-0.81700	-1.55859	1.92272
0.30	4.47560	0.08660	0.2019	0.03714	-1.06249	-0.69484	-1.43013	1.90264
0.50	5.00000	0.23732	0.5472	0.10294	-0.62466	-0.26188	-0.98743	1.87182
0.75	5.67449	0.86792	2.0383	0.36956	-0.06152	0.30927	-0.43231	1.92272
0.90	6.28155	2.78820	6.8592	1.13338	0.44532	0.83627	0.05437	2.05359
0.95	6.64485	5.60595	14.3483	2.19026	0.74865	1.15680	0.34050	2.16878

Data Summary

Proportion Species	PROBIT	taxa	Geometric		Standard	
			Mean	LogMean	Deviation	CV
0.40909	4.77012	Biomphalaria glabrata	0.10027	-0.99885	0.12813	0.12828
0.50000	5.00000	Brachionus calyciflorus	0.16994	-0.76970	0.49425	0.64213
0.50000	.	-->BEH	.	-4.28672	.	.
0.50000	.	-->EC50 -BEH	.	-3.64883	0.19027	.
0.50000	.	-->MOR	.	-4.28672	.	.
0.04545	3.30938	Brachionus rubens	0.01900	-1.72125	.	.
0.04545	.	-->NOEC -MOR	.	-4.66705	0.00000	.
0.13636	3.90320	Daphnia magna	0.04207	-1.37601	0.10604	0.07707
0.77273	5.74786	Gyraululus circumstriatus (Tolerant)	1.00000	0.00000	.	.
0.68182	5.47279	Hydra vulgaris	0.41000	-0.38722	.	.
0.22727	4.25214	Lampsilis fasciola	0.04600	-1.33724	.	.
0.86364	6.09680	Limnodrilus hoffmeisteri (Tolerant)	3.80000	0.57978	.	.
0.95455	6.69062	Philodina acuticornis	6.09262	0.78480	0.03023	0.03852
0.31818	4.52721	Physa heterostropha	0.08859	-1.05262	0.36018	0.34218
0.59091	5.22988	Streptocephalus proboscideus	0.25529	-0.59296	0.18558	0.31297

Copper SSD for Invertebrates - in soft water at T<=15C over long (3-30 days) exposure



Species Sensitivity Distribution (SSD 82) data for Invertebrate species exposed to copper in soft water at T<=15C over long (3-30 days) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
9	0.96610	5.33760	0.94476	-0.34944	7.89809	7	0.061574

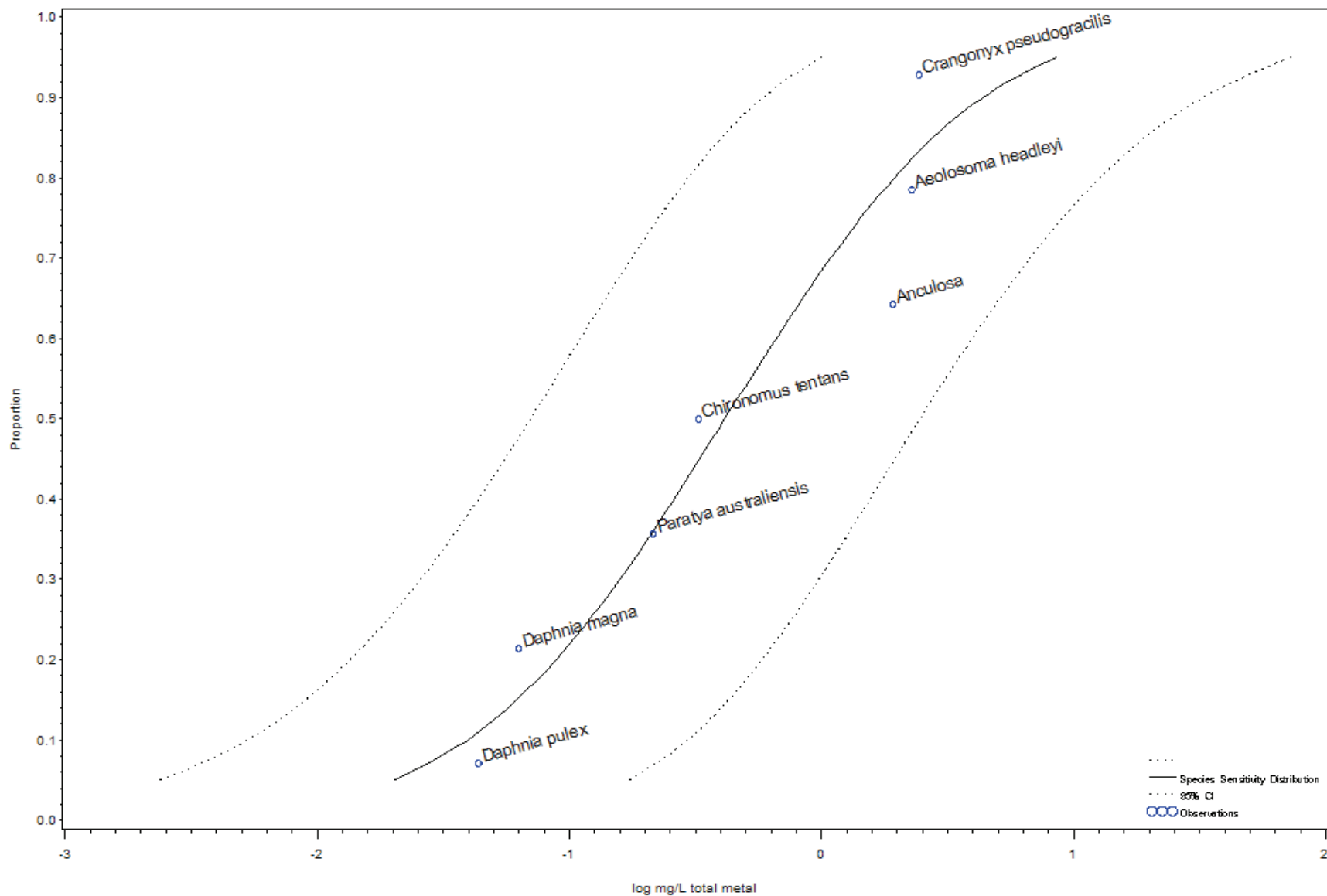
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.0089	0.0346	0.00227	-2.05201	-1.46039	-2.64363	3.64894
0.10	3.71845	0.0211	0.0769	0.00578	-1.67596	-1.11394	-2.23798	3.37356
0.20	4.15838	0.0602	0.2061	0.01757	-1.22059	-0.68593	-1.75525	3.13303
0.25	4.32551	0.0896	0.3016	0.02663	-1.04760	-0.52060	-1.57459	3.06790
0.30	4.47560	0.1282	0.4258	0.03857	-0.89224	-0.37076	-1.41372	3.02165
0.50	5.00000	0.4473	1.4571	0.13728	-0.34944	0.16350	-0.86238	2.95098
0.75	5.67449	2.2321	7.5112	0.66332	0.34872	0.87571	-0.17828	3.06790
0.90	6.28155	9.4859	34.6017	2.60051	0.97708	1.53910	0.41506	3.37356
0.95	6.64485	22.5490	88.0543	5.77437	1.35313	1.94475	0.76150	3.64894

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.83333	5.96742	Asellus aquaticus	9.2100	0.96426	.	.
0.72222	5.58946	Campeloma decisum (Intermediate)	1.7000	0.23045	.	.
0.27778	4.41054	Chironomus tentans	0.1410	-0.85069	0.45034	0.52938
0.61111	5.28222	Crangonyx pseudogracilis	1.2900	0.11059	.	.
0.50000	5.00000	Drunella grandis	0.1900	-0.72125	.	.
0.05556	3.40678	Gammarus pseudolimnaeus	0.0200	-1.69897	.	.
0.38889	4.71778	Paratya australiensis	0.1414	-0.84961	0.16495	0.19415
0.16667	4.03258	Physa integra	0.0390	-1.40894	.	.
0.94444	6.59322	Pteronarcys californicus	12.0000	1.07918	0.00000	0.00000
0.94444	.	-->LETC -MOR	.	2.48491	.	.
0.94444	.	-->NoTrend -MOR	.	2.03584	0.43269	.

Copper SSD for Invertebrates - in soft water at T<=15C over moderate (1-3 days) exposure



Species Sensitivity Distribution (SSD 83) data for Invertebrate species exposed to copper in soft water at T<=15C over moderate (1-3 days) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
7	1.25437	5.47991	0.89323	-0.38259	3.30130	5	0.12418

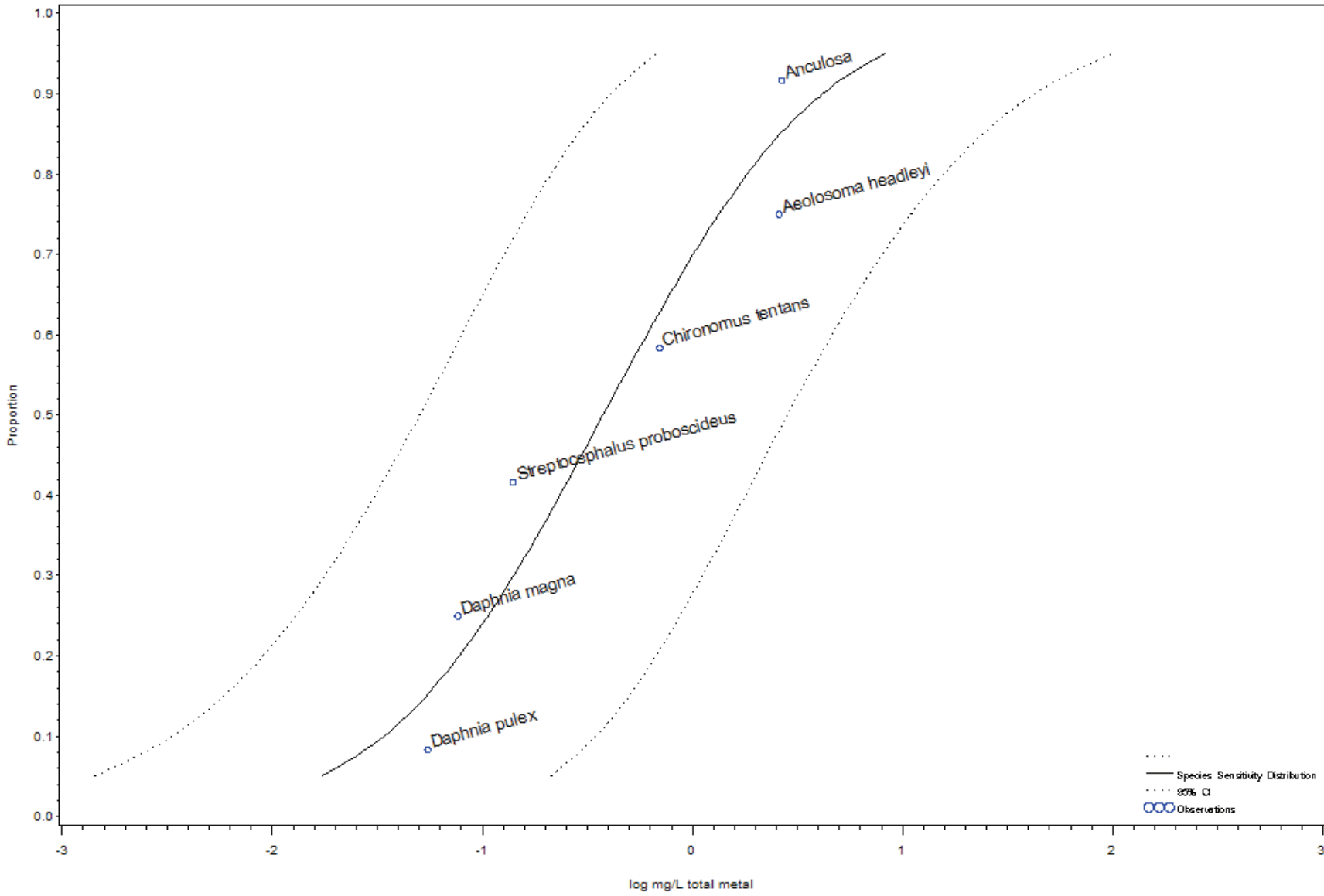
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.02024	0.1087	0.00377	-1.69389	-0.96373	-2.42405	5.18619
0.10	3.71845	0.03942	0.1903	0.00817	-1.40426	-0.72049	-2.08804	4.62097
0.20	4.15838	0.08840	0.3861	0.02024	-1.05354	-0.41329	-1.69380	4.13877
0.25	4.32551	0.12014	0.5101	0.02830	-0.92030	-0.29237	-1.54823	4.00995
0.30	4.47560	0.15825	0.6582	0.03805	-0.80065	-0.18162	-1.41968	3.91893
0.50	5.00000	0.41439	1.6695	0.10286	-0.38259	0.22258	-0.98776	3.78051
0.75	5.67449	1.42930	6.0681	0.33666	0.15512	0.78305	-0.47281	4.00995
0.90	6.28155	4.35594	21.0309	0.90221	0.63908	1.32286	-0.04469	4.62097
0.95	6.64485	8.48616	45.5905	1.57961	0.92871	1.65887	0.19855	5.18619

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.78571	5.79164	Aeolosoma headleyi	2.28688	0.35924	0.05701	0.15870
0.64286	5.36611	Anculosa	1.93098	0.28578	0.25219	0.88247
0.50000	5.00000	Chironomus tentans	0.32700	-0.48545	.	.
0.92857	6.46523	Crangonyx pseudogracilis	2.44000	0.38739	.	.
0.21429	4.20836	Daphnia magna	0.06316	-1.19953	0.18028	0.15029
0.07143	3.53477	Daphnia pulex	0.04380	-1.35857	0.29669	0.21838
0.35714	4.63389	Paratya australiensis	0.21529	-0.66698	0.11971	0.17948

Copper SSD for Invertebrates - in soft water at T<=15C over short (<=1 day) exposure



Species Sensitivity Distribution (SSD 84) data for Invertebrate species exposed to copper in soft water at T<=15C over short (<=1 day) exposure

Model Parameters								
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE	
6	1.22833	5.52008	0.89340	-0.42341	2.85630	4	0.12856	

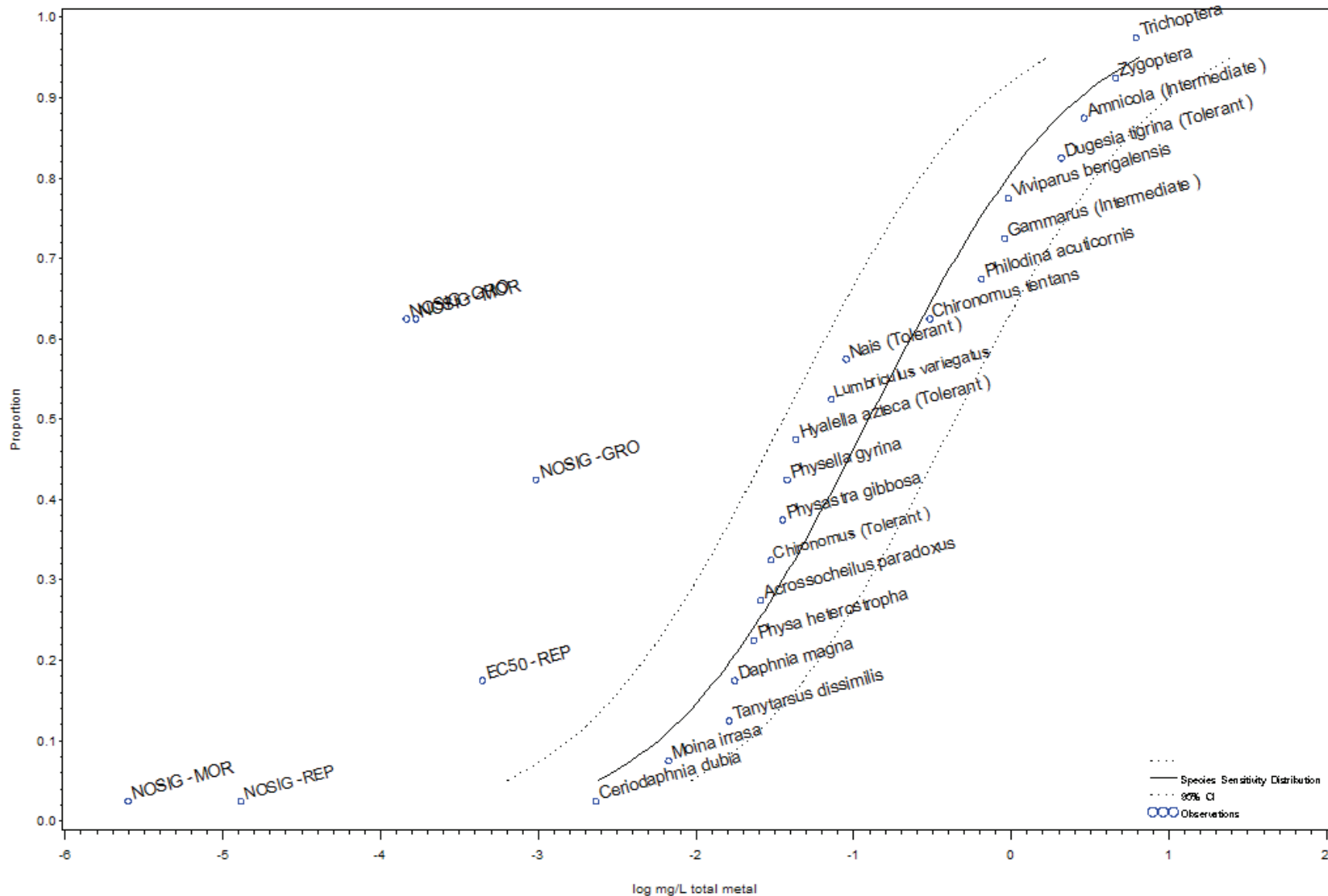
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log			Relative CIBreadth
					Central Tendency	log UpperCI	log LowerCI	
0.05	3.35515	0.01728	0.1178	0.00253	-1.76251	-0.92890	-2.59612	6.67055
0.10	3.71845	0.03414	0.2030	0.00574	-1.46674	-0.69255	-2.24093	5.77731
0.20	4.15838	0.07788	0.4068	0.01491	-1.10859	-0.39065	-1.82653	5.03178
0.25	4.32551	0.10653	0.5363	0.02116	-0.97252	-0.27062	-1.67442	4.83523
0.30	4.47560	0.14115	0.6918	0.02880	-0.85033	-0.16004	-1.54062	4.69701
0.50	5.00000	0.37722	1.7731	0.08025	-0.42341	0.24874	-1.09556	4.48784
0.75	5.67449	1.33569	6.7237	0.26534	0.12570	0.82761	-0.57620	4.83523
0.90	6.28155	4.16796	24.7806	0.70103	0.61992	1.39411	-0.15427	5.77731
0.95	6.64485	8.23556	56.1438	1.20805	0.91569	1.74930	0.08209	6.67055

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.75000	5.67449	Aeolosoma headleyi	2.59486	0.41411	0.03348	0.08085
0.91667	6.38299	Anculosa	2.66878	0.42631	0.14828	0.34781
0.58333	5.21043	Chironomus tentans	0.70100	-0.15428	.	.
0.25000	4.32551	Daphnia magna	0.07663	-1.11560	0.16221	0.14540
0.08333	3.61701	Daphnia pulex	0.05518	-1.25823	0.23102	0.18361
0.41667	4.78957	Streptocephalus proboscideus	0.14036	-0.85277	0.08733	0.10240

Copper SSD for Invertebrates - in soft water at T>15C over long (3-30 days) exposure



Species Sensitivity Distribution (SSD 85) data for Invertebrate species exposed to copper in soft water at T>15C over long (3-30 days) exposure

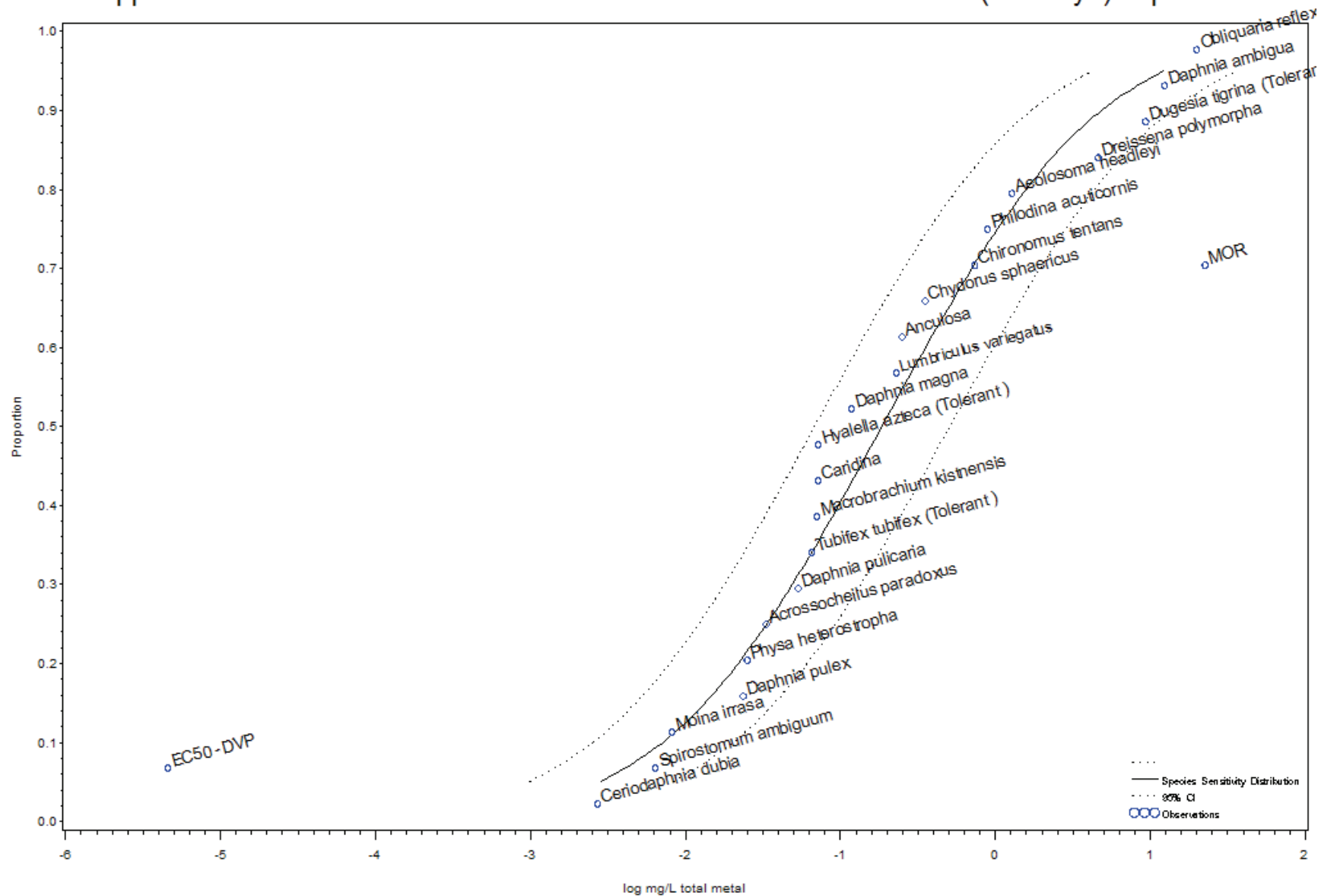
Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
20	0.96022	5.86591	0.94364	-0.90178	19.2111	18	0.058778

Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log			Relative CIBreadth
					Central Tendency	log UpperCI	log LowerCI	
0.05	3.35515	0.00243	0.0073	0.00080	-2.61477	-2.13461	-3.09493	2.69006
0.10	3.71845	0.00580	0.0170	0.00197	-2.23642	-1.76840	-2.70445	2.59744
0.20	4.15838	0.01666	0.0477	0.00582	-1.77827	-1.32117	-2.23537	2.51578
0.25	4.32551	0.02488	0.0708	0.00874	-1.60421	-1.15012	-2.05830	2.49357
0.30	4.47560	0.03565	0.1009	0.01259	-1.44791	-0.99596	-1.89985	2.47778
0.50	5.00000	0.12538	0.3523	0.04463	-0.90178	-0.45314	-1.35042	2.45362
0.75	5.67449	0.63190	1.7978	0.22211	-0.19935	0.25474	-0.65344	2.49357
0.90	6.28155	2.70931	7.9595	0.92222	0.43286	0.90089	-0.03517	2.59744
0.95	6.64485	6.47458	19.5602	2.14314	0.81121	1.29137	0.33105	2.69006

Data Summary							
Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV	
0.275	4.40224	Acrossocheilus paradoxus	0.02580	-1.58838	.	.	
0.875	6.15035	Amnicola (Intermediate)	2.89310	0.46136	0.71718	1.55447	
0.025	3.04004	Ceriodaphnia dubia	0.00233	-2.63221	0.29541	0.11223	
0.025	.	-->NOSIG -MOR	.	-5.59942	0.00000	.	
0.025	.	-->NOSIG -REP	.	-4.88406	0.76964	.	
0.325	4.54624	Chironomus (Tolerant)	0.03000	-1.52288	.	.	
0.625	5.31864	Chironomus tentans	0.30430	-0.51669	0.68374	1.32331	
0.625	.	-->NOSIG -GRO	.	-3.83506	.	.	
0.625	.	-->NOSIG -MOR	.	-3.77662	.	.	
0.175	4.06541	Daphnia magna	0.01770	-1.75206	0.39923	0.22786	
0.175	.	-->EC50 -REP	.	-3.35241	.	.	
0.825	5.93459	Dugesia tigrina (Tolerant)	2.08243	0.31857	0.09984	0.31340	
0.725	5.59776	Gammarus (Intermediate)	0.91000	-0.04096	.	.	
0.475	4.93729	Hyalella azteca (Tolerant)	0.04308	-1.36577	0.16027	0.11735	
0.475	.	-->MOR	.	-4.96185	.	.	
0.525	5.06271	Lumbriculus variegatus	0.07246	-1.13992	0.44691	0.39205	
0.075	3.56047	Moina irrasa	0.00673	-2.17181	0.06465	0.02977	
0.575	5.18912	Nais (Tolerant)	0.09000	-1.04576	.	.	
0.675	5.45376	Philodina acuticornis	0.64807	-0.18838	0.04734	0.25130	
0.225	4.24458	Physa heterostropha	0.02332	-1.63220	0.23148	0.14182	
0.375	4.68136	Physastra gibbosa	0.03565	-1.44793	0.08586	0.05930	
0.425	4.81088	Physella gyrina	0.03800	-1.42022	.	.	
0.425	.	-->NOSIG -GRO	.	-3.01492	.	.	
0.125	3.84965	Tanytarsus dissimilis	0.01630	-1.78781	.	.	
0.975	6.95996	Trichoptera	6.20000	0.79239	.	.	
0.775	5.75542	Viviparus bengalensis	0.96000	-0.01773	.	.	
0.925	6.43953	Zygoptera	4.60000	0.66276	.	.	

Copper SSD for Invertebrates - in soft water at T>15C over moderate (1-3 days) exposure



Species Sensitivity Distribution (SSD 86) data for Invertebrate species exposed to copper in soft water at T>15C over moderate (1-3 days) exposure

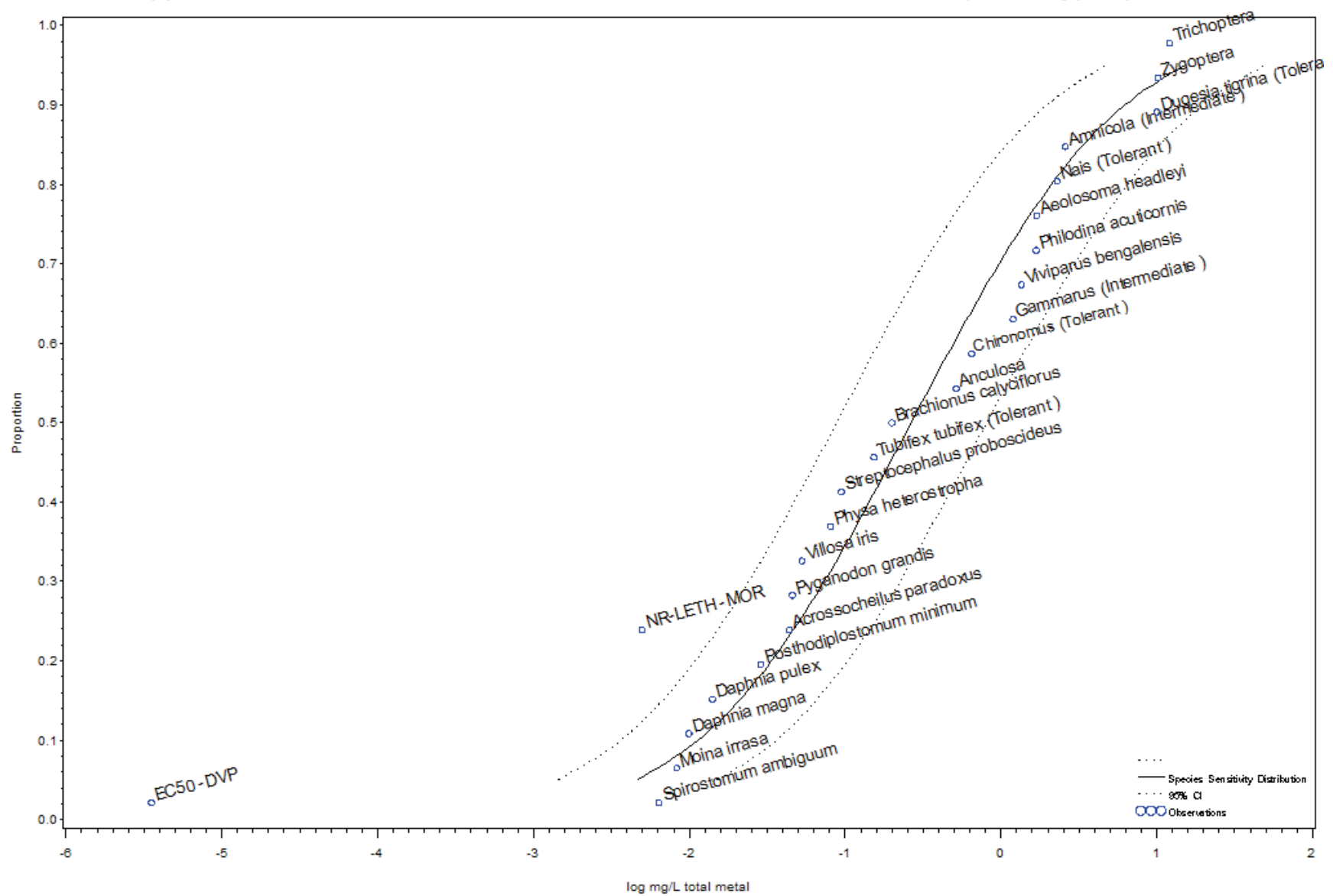
Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
22	0.90623	5.66283	0.96689	-0.73142	24.4509	20	0.034386

Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log			Relative CIBreadth
					Central Tendency	log UpperCI	log LowerCI	
0.05	3.35515	0.0028	0.0069	0.00118	-2.54647	-2.16308	-2.92987	2.00404
0.10	3.71845	0.0072	0.0169	0.00302	-2.14558	-1.77088	-2.52028	1.94773
0.20	4.15838	0.0219	0.0509	0.00940	-1.66013	-1.29324	-2.02701	1.89782
0.25	4.32551	0.0334	0.0775	0.01444	-1.47570	-1.11096	-1.84044	1.88421
0.30	4.47560	0.0490	0.1130	0.02122	-1.31008	-0.94688	-1.67329	1.87452
0.50	5.00000	0.1856	0.4260	0.08086	-0.73142	-0.37057	-1.09227	1.85968
0.75	5.67449	1.0301	2.3856	0.44476	0.01286	0.37760	-0.35187	1.88421
0.90	6.28155	4.8166	11.4139	2.03255	0.68274	1.05744	0.30804	1.94773
0.95	6.64485	12.1236	29.3109	5.01460	1.08363	1.46703	0.70024	2.00404

Data Summary							
Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV	
0.25000	4.32551	Acrossocheilus paradoxus	0.0333	-1.47756	.	.	
0.79545	5.82549	Aeolosoma headleyi	1.2845	0.10874	0.15378	1.41421	
0.61364	5.28881	Anculosa	0.2510	-0.60033	0.10953	0.18245	
0.43182	4.82825	Caridina	0.0720	-1.14267	.	.	
0.02273	2.99958	Ceriodaphnia dubia	0.0027	-2.56543	.	.	
0.70455	5.53752	Chironomus tentans	0.7412	-0.13007	0.20361	1.56539	
0.70455	.	-->MOR	.	1.35403	0.36121	.	
0.65909	5.40998	Chydorus sphaericus	0.3540	-0.45102	0.13284	0.29453	
0.93182	6.48947	Daphnia ambigua	12.4000	1.09342	.	.	
0.52273	5.05700	Daphnia magna	0.1185	-0.92611	1.56310	1.68782	
0.15909	4.00180	Daphnia pulex	0.0237	-1.62591	0.52905	0.32539	
0.29545	4.46248	Daphnia pulicaria	0.0536	-1.27074	0.11844	0.09320	
0.84091	5.99820	Dreissena polymorpha	4.6390	0.66642	0.09102	0.13658	
0.88636	6.20741	Dugesia tigrina (Tolerant)	9.3600	0.97128	.	.	
0.47727	4.94300	Hyalella azteca (Tolerant)	0.0722	-1.14146	.	.	
0.56818	5.17175	Lumbriculus variegatus	0.2300	-0.63827	.	.	
0.38636	4.71119	Macrobrachium kistnensis	0.0710	-1.14874	.	.	
0.11364	3.79259	Moina irrasa	0.0082	-2.08767	0.21064	0.10090	
0.97727	7.00042	Obliquaria reflexa	20.0000	1.30103	.	.	
0.75000	5.67449	Philodina acuticornis	0.8944	-0.04846	0.06853	1.41421	
0.20455	4.17451	Physa heterostropha	0.0251	-1.60075	0.15299	0.09557	
0.06818	3.51053	Spirostomum ambiguum	0.0064	-2.19382	.	.	
0.06818	.	-->EC50 -DVP	.	-5.33914	.	.	
0.34091	4.59002	Tubifex tubifex (Tolerant)	0.0656	-1.18313	0.87529	0.73981	

Copper SSD for Invertebrates - in soft water at T>15C over short (<=1 day) exposure



Species Sensitivity Distribution (SSD 87) data for Invertebrate species exposed to copper in soft water at T>15C over short (<=1 day) exposure

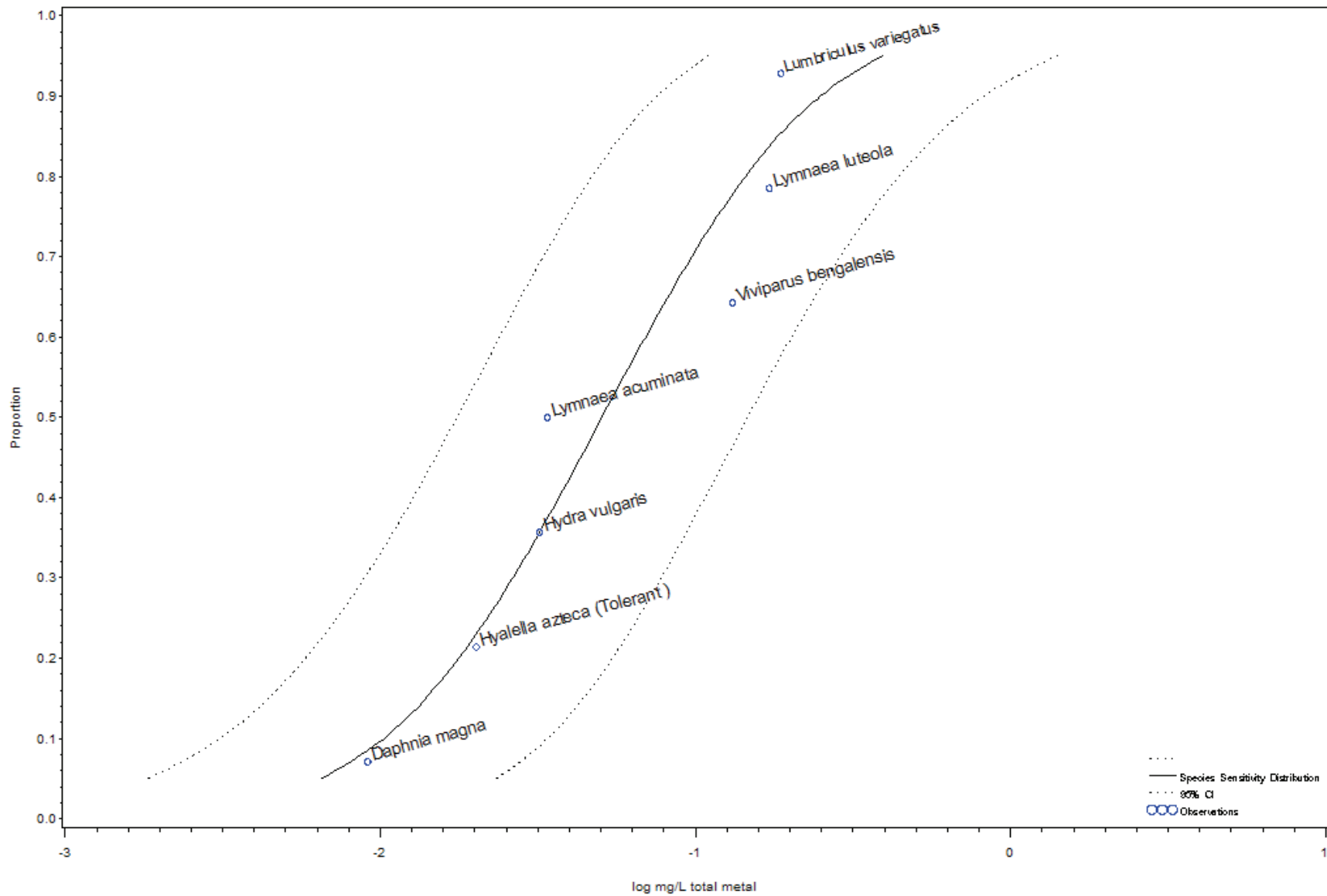
Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
23	0.93643	5.53724	0.95654	-0.57372	23.7436	21	0.045047

Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log			Relative CIBreadth
					Central Tendency	log UpperCI	log LowerCI	
0.05	3.35515	0.0047	0.0124	0.00177	-2.33024	-1.90776	-2.75272	2.26730
0.10	3.71845	0.0114	0.0296	0.00441	-1.94227	-1.52909	-2.35546	2.20311
0.20	4.15838	0.0337	0.0856	0.01326	-1.47247	-1.06763	-1.87732	2.14636
0.25	4.32551	0.0508	0.1284	0.02011	-1.29400	-0.89145	-1.69655	2.13090
0.30	4.47560	0.0735	0.1850	0.02920	-1.13372	-0.73280	-1.53463	2.11991
0.50	5.00000	0.2669	0.6679	0.10663	-0.57372	-0.17532	-0.97212	2.10307
0.75	5.67449	1.4014	3.5409	0.55465	0.14657	0.54911	-0.25598	2.13090
0.90	6.28155	6.2351	16.1445	2.40800	0.79484	1.20803	0.38166	2.20311
0.95	6.64485	15.2338	40.2983	5.75875	1.18281	1.60529	0.76033	2.26730

Data Summary							
Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV	
0.23913	4.29090	Acrossocheilus paradoxus	0.0440	-1.35655	.	.	
0.23913	.	-->NR-LETH -MOR	.	-2.30259	.	.	
0.76087	5.70910	Aeolosoma headleyi	1.6971	0.22970	0.03617	0.15747	
0.84783	6.02715	Amnicola (Intermediate)	2.5981	0.41465	0.33738	0.81364	
0.54348	5.10920	Anculosa	0.5185	-0.28529	0.04734	0.16593	
0.50000	5.00000	Brachionus calyciflorus	0.2000	-0.69897	.	.	
0.58696	5.21972	Chironomus (Tolerant)	0.6500	-0.18709	.	.	
0.10870	3.76651	Daphnia magna	0.0100	-2.00000	0.00000	0.00000	
0.15217	3.97285	Daphnia pulex	0.0141	-1.84949	0.21286	0.11509	
0.89130	6.23349	Dugesia tigrina (Tolerant)	10.0000	1.00000	.	.	
0.63043	5.33301	Gammarus (Intermediate)	1.2000	0.07918	.	.	
0.06522	3.48761	Moina irrasa	0.0083	-2.07977	0.27702	0.13320	
0.80435	5.85725	Nais (Tolerant)	2.3000	0.36173	.	.	
0.71739	5.57511	Philodina acuticornis	1.6882	0.22742	0.07259	0.31920	
0.36957	4.66699	Physa heterostropha	0.0811	-1.09095	0.34831	0.31927	
0.19565	4.14275	Posthodiplostomum minimum	0.0288	-1.53994	0.06376	0.04141	
0.28261	4.42489	Pyganodon grandis	0.0460	-1.33724	.	.	
0.02174	2.98091	Spirostomum ambiguum	0.0064	-2.19382	.	.	
0.02174	.	-->EC50 -DVP	.	-5.44914	.	.	
0.41304	4.78028	Streptocephalus proboscideus	0.0948	-1.02321	0.16968	0.16583	
0.97826	7.01909	Trichoptera	12.1000	1.08279	.	.	
0.45652	4.89080	Tubifex tubifex (Tolerant)	0.1533	-0.81457	1.05031	1.28941	
0.32609	4.54926	Villosa iris	0.0529	-1.27620	0.13649	0.10695	
0.67391	5.45074	Viviparus bengalensis	1.3600	0.13354	.	.	
0.93478	6.51239	Zygoptera	10.2000	1.00860	.	.	

Copper SSD for Invertebrates - in very hard water at T>15C over long (3-30 days) exposure



Species Sensitivity Distribution (SSD 88) data for Invertebrate species exposed to copper in very hard water at T>15C over long (3-30 days) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
7	1.85059	7.39792	0.91729	-1.29576	1.55760	5	0.096190

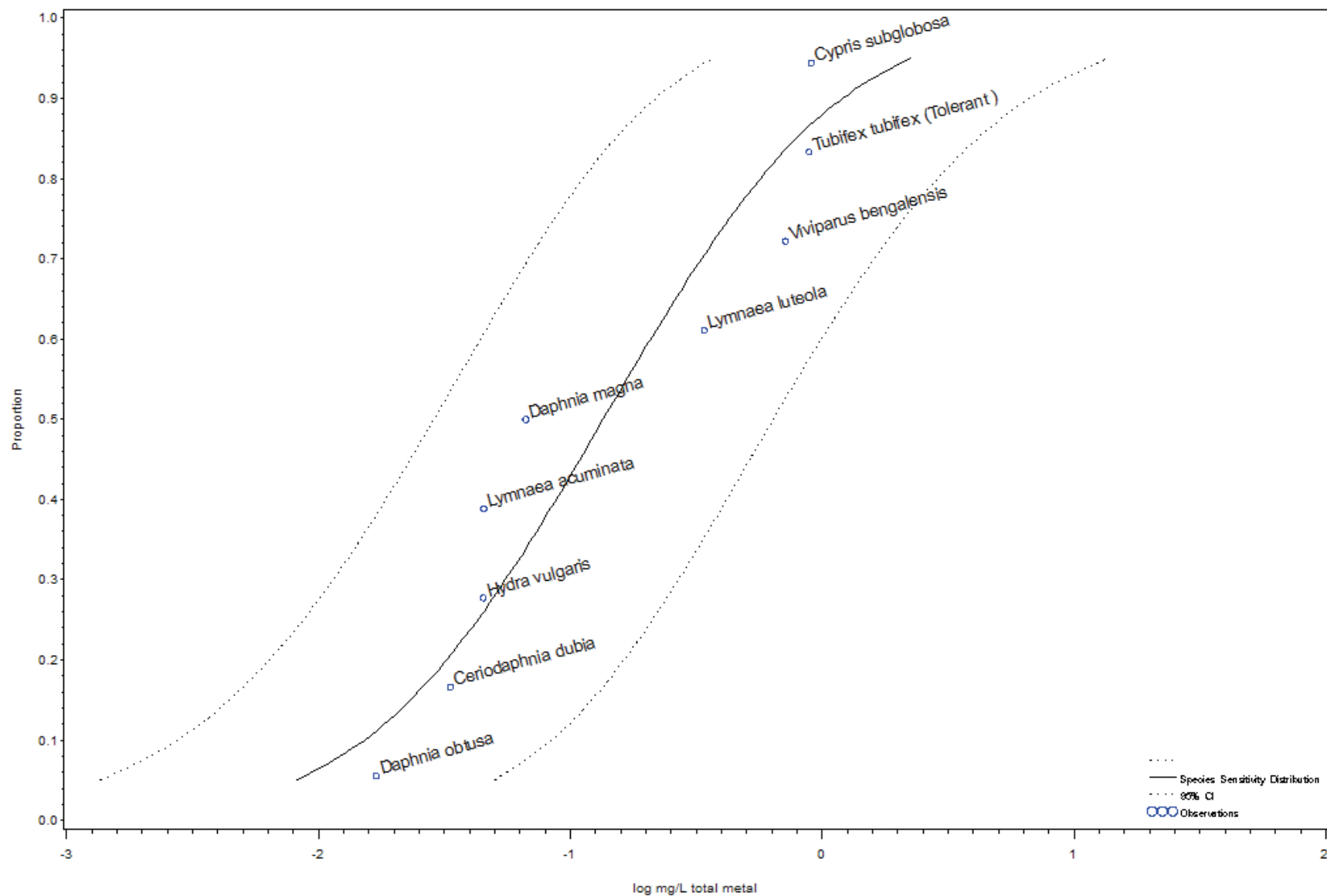
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.00654	0.01775	0.00241	-2.18458	-1.75078	-2.61838	2.34689
0.10	3.71845	0.01027	0.02621	0.00403	-1.98827	-1.58151	-2.39502	2.15932
0.20	4.15838	0.01776	0.04274	0.00738	-1.75054	-1.36912	-2.13196	1.99119
0.25	4.32551	0.02187	0.05176	0.00924	-1.66023	-1.28598	-2.03448	1.94487
0.30	4.47560	0.02636	0.06165	0.01127	-1.57913	-1.21005	-1.94820	1.91176
0.50	5.00000	0.05061	0.11622	0.02204	-1.29576	-0.93473	-1.65678	1.86079
0.75	5.67449	0.11714	0.27731	0.04948	-0.93129	-0.55703	-1.30554	1.94487
0.90	6.28155	0.24932	0.63607	0.09772	-0.60325	-0.19649	-1.01001	2.15932
0.95	6.64485	0.39180	1.06381	0.14430	-0.40693	0.02687	-0.84073	2.34689

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.07143	3.53477	Daphnia magna	0.00915	-2.03881	0.87811	0.43070
0.21429	4.20836	Hyalella azteca (Tolerant)	0.02020	-1.69467	0.10590	0.06249
0.35714	4.63389	Hydra vulgaris	0.03200	-1.49485	.	.
0.92857	6.46523	Lumbriculus variegatus	0.18735	-0.72735	0.22445	0.30859
0.50000	5.00000	Lymnaea acuminata	0.03400	-1.46852	0.00000	0.00000
0.78571	5.79164	Lymnaea luteola	0.17200	-0.76447	.	.
0.64286	5.36611	Viviparus bengalensis	0.13133	-0.88164	0.41411	0.46971

Copper SSD for Invertebrates - in very hard water at T>15C over moderate (1-3 days) exposure



Species Sensitivity Distribution (SSD 89) data for Invertebrate species exposed to copper in very hard water at T>15C over moderate (1-3 days) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
9	1.35088	6.17259	0.88043	-0.86802	3.76449	7	0.13328

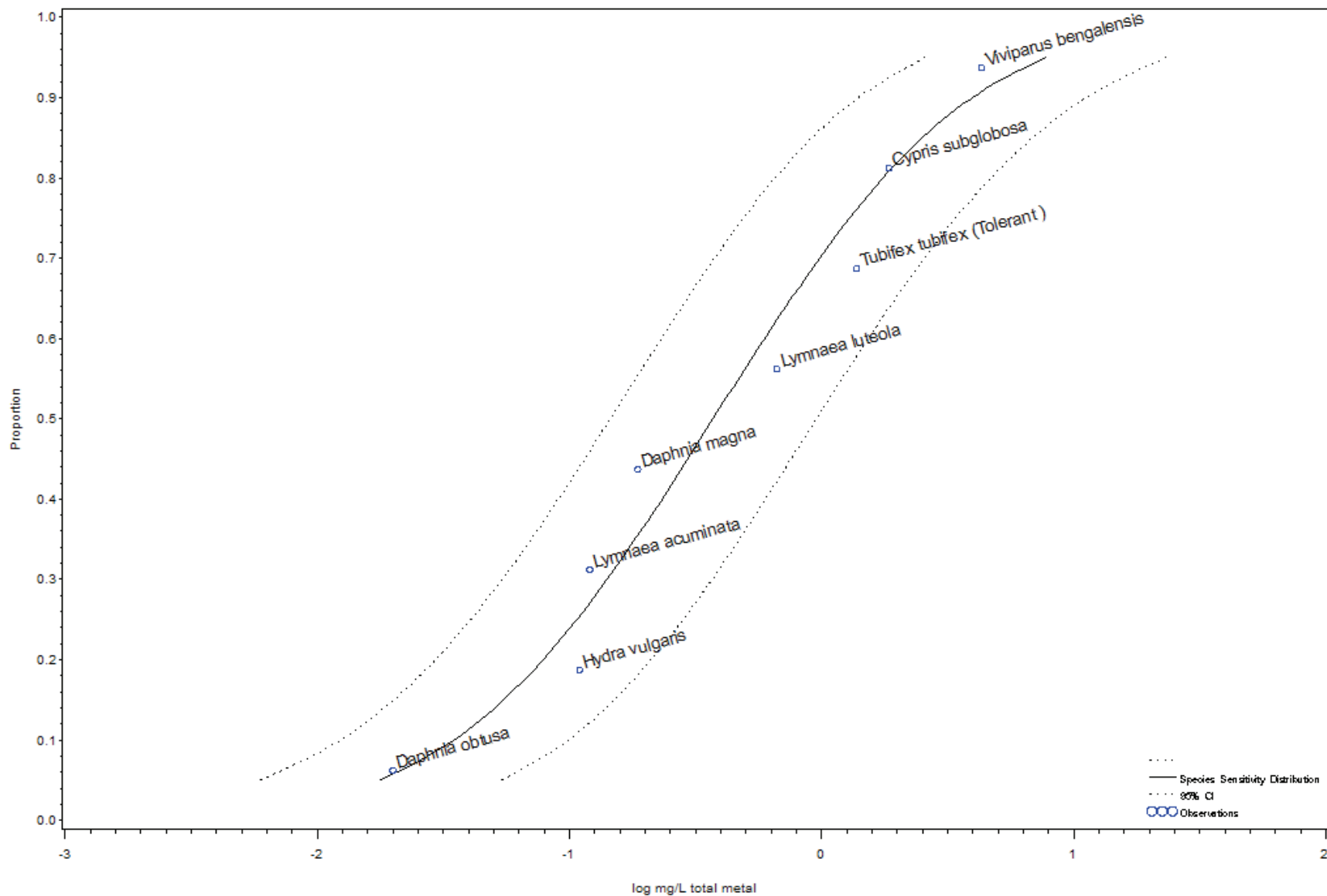
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.00821	0.03487	0.00193	-2.08564	-1.45751	-2.71376	4.01198
0.10	3.71845	0.01525	0.06001	0.00388	-1.81670	-1.22175	-2.41165	3.68094
0.20	4.15838	0.03228	0.11835	0.00881	-1.49104	-0.92684	-2.05524	3.39330
0.25	4.32551	0.04292	0.15426	0.01194	-1.36732	-0.81175	-1.92288	3.31565
0.30	4.47560	0.05544	0.19640	0.01565	-1.25621	-0.70686	-1.80556	3.26057
0.50	5.00000	0.13551	0.46956	0.03911	-0.86802	-0.32831	-1.40774	3.17650
0.75	5.67449	0.42783	1.53759	0.11904	-0.36872	0.18684	-0.92429	3.31565
0.90	6.28155	1.20409	4.73817	0.30599	0.08066	0.67561	-0.51429	3.68094
0.95	6.64485	2.23664	9.49994	0.52659	0.34960	0.97772	-0.27853	4.01198

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.16667	4.03258	Ceriodaphnia dubia	0.03345	-1.47566	0.41425	0.28072
0.94444	6.59322	Cypris subglobosa	0.90764	-0.04209	0.20189	4.79688
0.50000	5.00000	Daphnia magna	0.06661	-1.17647	0.48340	0.41089
0.05556	3.40678	Daphnia obtusa	0.01700	-1.76955	.	.
0.27778	4.41054	Hydra vulgaris	0.04530	-1.34391	0.10791	0.08030
0.38889	4.71778	Lymnaea acuminata	0.04541	-1.34285	0.05723	0.04262
0.61111	5.28222	Lymnaea luteola	0.34100	-0.46725	.	.
0.83333	5.96742	Tubifex tubifex (Tolerant)	0.89000	-0.05061	.	.
0.72222	5.58946	Viviparus bengalensis	0.71811	-0.14381	0.73971	5.14376

Copper SSD for Invertebrates - in very hard water at T>15C over short (<=1 day) exposure



Species Sensitivity Distribution (SSD 90) data for Invertebrate species exposed to copper in very hard water at T>15C over short (<=1 day) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
8	1.24717	5.53584	0.96599	-0.42964	4.22835	6	0.038590

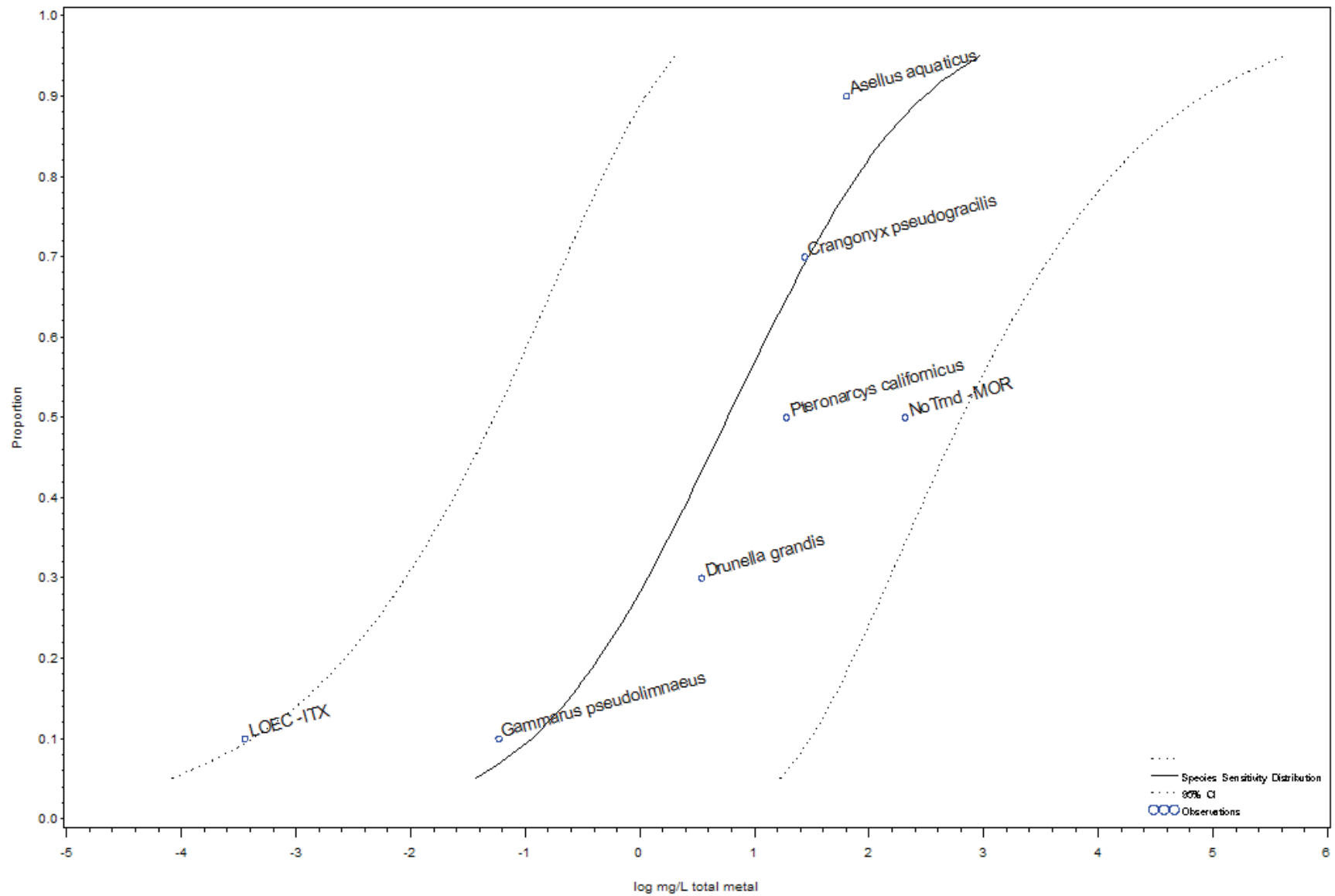
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.01784	0.0427	0.00745	-1.74852	-1.36914	-2.12789	1.97793
0.10	3.71845	0.03490	0.0797	0.01527	-1.45721	-1.09835	-1.81608	1.84723
0.20	4.15838	0.07862	0.1719	0.03595	-1.10447	-0.76465	-1.44429	1.72960
0.25	4.32551	0.10704	0.2312	0.04955	-0.97046	-0.63599	-1.30493	1.69714
0.30	4.47560	0.14122	0.3023	0.06596	-0.85012	-0.51950	-1.18073	1.67393
0.50	5.00000	0.37184	0.7852	0.17608	-0.42964	-0.10500	-0.75428	1.63819
0.75	5.67449	1.29174	2.7903	0.59801	0.11118	0.44565	-0.22330	1.69714
0.90	6.28155	3.96213	9.0530	1.73406	0.59793	0.95679	0.23906	1.84723
0.95	6.64485	7.74873	18.5613	3.23483	0.88923	1.26861	0.50985	1.97793

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.8125	5.88715	Cypris subglobosa	1.85540	0.26844	0.24077	0.89694
0.4375	4.84269	Daphnia magna	0.18708	-0.72797	0.60378	0.82941
0.0625	3.46588	Daphnia obtusa	0.02000	-1.69897	.	.
0.1875	4.11285	Hydra vulgaris	0.11000	-0.95861	.	.
0.3125	4.51122	Lymnaea acuminata	0.12070	-0.91830	0.12661	0.13787
0.5625	5.15731	Lymnaea luteola	0.66549	-0.17686	0.18676	1.05603
0.6875	5.48878	Tubifex tubifex (Tolerant)	1.38000	0.13988	.	.
0.9375	6.53412	Viviparus bengalensis	4.31766	0.63525	0.44705	0.70374

Lead SSD for Invertebrates - in soft water at T<=15C over long (3-30 days) exposure



Species Sensitivity Distribution (SSD 121) data for Invertebrate species exposed to lead in soft water at T<=15C over long (3-30 days) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
5	0.74797	4.42428	0.85001	0.76970	5.82625	3	0.19172

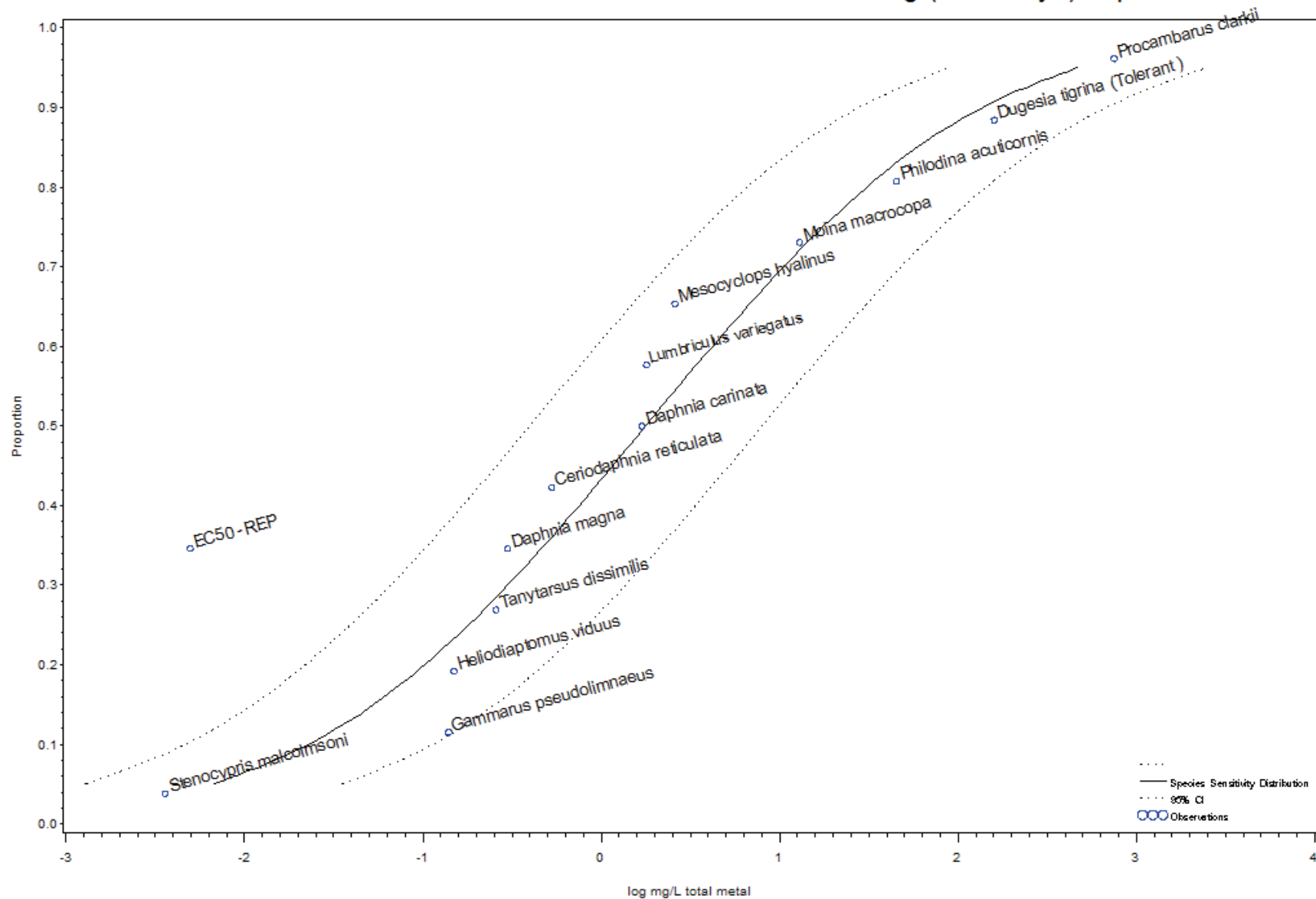
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.037	3.42	0.0004	-1.42938	0.53349	-3.39225	91.7946
0.10	3.71845	0.114	7.16	0.0018	-0.94367	0.85461	-2.74194	62.8304
0.20	4.15838	0.441	19.26	0.0101	-0.35550	1.28460	-1.99561	43.6393
0.25	4.32551	0.738	29.00	0.0188	-0.13206	1.46244	-1.72655	39.2836
0.30	4.47560	1.171	42.65	0.0322	0.06861	1.62990	-1.49269	36.3886
0.50	5.00000	5.884	190.04	0.1822	0.76970	2.27885	-0.73944	32.2647
0.75	5.67449	46.931	1844.81	1.1939	1.67146	3.26595	0.07697	39.2836
0.90	6.28155	304.136	19113.81	4.8394	2.48307	4.28135	0.68479	62.8304
0.95	6.64485	930.643	85438.17	10.1371	2.96878	4.93165	1.00591	91.7946

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.9	6.28155	Asellus aquaticus	64.1000	1.80686	.	.
0.7	5.52440	Crangonyx pseudogracilis	27.6000	1.44091	.	.
0.3	4.47560	Drunella grandis	3.5000	0.54407	.	.
0.1	3.71845	Gammarus pseudolimnaeus	0.0593	-1.22663	0.45262	0.36900
0.1	.	-->LOEC -ITX	.	-3.44202	.	.
0.5	5.00000	Pteronarcys californicus	19.2000	1.28330	.	.
0.5	.	-->NoTrend -MOR	.	2.31649	.	.

Lead SSD for Invertebrates - in soft water at T>15C over long (3-30 days) exposure



Species Sensitivity Distribution (SSD 122) data for Invertebrate species exposed to lead in soft water at T>15C over long (3-30 days) exposure

Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
13	0.67902	4.83062	0.96506	0.24945	24.6711	11	0.037441

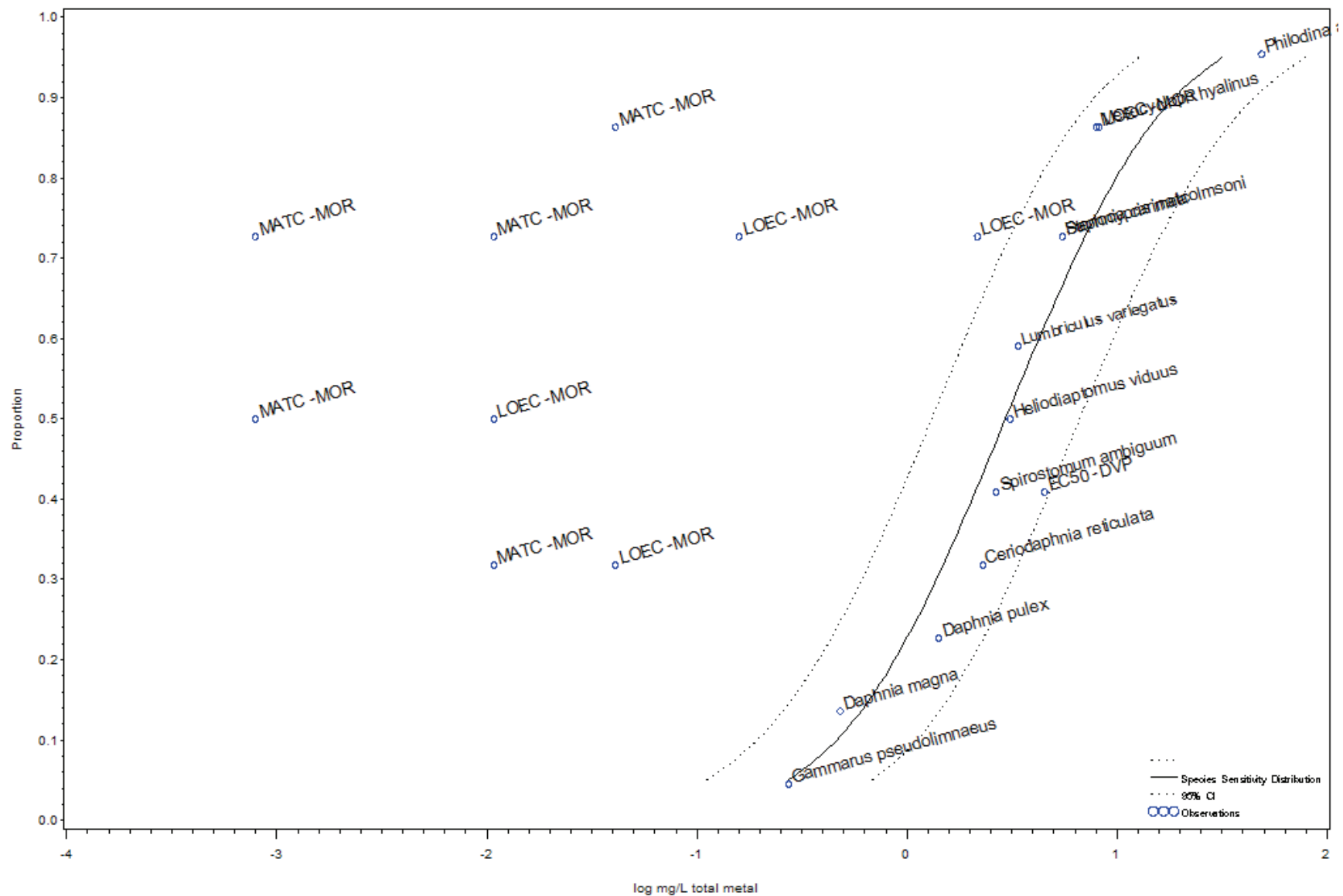
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log			Relative CIBreadth
					Central Tendency	log UpperCI	log LowerCI	
0.05	3.35515	0.007	0.03	0.002	-2.17296	-1.58615	-2.75977	3.60306
0.10	3.71845	0.023	0.08	0.006	-1.63792	-1.07235	-2.20349	3.40573
0.20	4.15838	0.102	0.36	0.029	-0.99002	-0.44380	-1.53625	3.23313
0.25	4.32551	0.180	0.63	0.052	-0.74389	-0.20303	-1.28475	3.18640
0.30	4.47560	0.300	1.03	0.087	-0.52285	0.01417	-1.05986	3.15323
0.50	5.00000	1.776	6.03	0.523	0.24945	0.78053	-0.28164	3.10255
0.75	5.67449	17.490	60.76	5.034	1.24278	1.78364	0.70192	3.18640
0.90	6.28155	137.029	503.94	37.260	2.13681	2.70238	1.57124	3.40573
0.95	6.64485	469.736	1814.12	121.630	2.67185	3.25867	2.08504	3.60306

Data Summary

Proportion Species	PROBIT	taxa	Geometric		Standard Deviation	CV
			Mean	LogMean		
0.42308	4.80597	Ceriodaphnia reticulata	0.530	-0.27572	.	.
0.50000	5.00000	Daphnia carinata	1.700	0.23045	.	.
0.34615	4.60427	Daphnia magna	0.300	-0.52288	.	.
0.34615	.	-->EC50 -REP	.	-2.30259	.	.
0.88462	6.19838	Dugesia tigrina (Tolerant)	160.000	2.20412	.	.
0.11538	3.80162	Gammarus pseudolimnaeus	0.140	-0.85387	.	.
0.19231	4.13058	Heliodiaptomus viduus	0.150	-0.82391	.	.
0.57692	5.19403	Lumbriculus variegatus	1.800	0.25527	.	.
0.65385	5.39573	Mesocyclops hyalinus	2.600	0.41497	.	.
0.73077	5.61514	Moina macrocopa	13.000	1.11394	.	.
0.80769	5.86942	Philodina acuticornis	45.347	1.65655	0.064891	0.039173
0.96154	6.76883	Procambarus clarkii	751.570	2.87597	.	.
0.03846	3.23117	Stenocypris malcolmsoni	0.004	-2.44370	.	.
0.26923	4.38486	Tanytarsus dissimilis	0.258	-0.58838	.	.

Lead SSD for Invertebrates - in soft water at T>15C over moderate (1-3 days) exposure



Species Sensitivity Distribution (SSD 123) data for Invertebrate species exposed to lead in soft water at T>15C over moderate (1-3 days) exposure

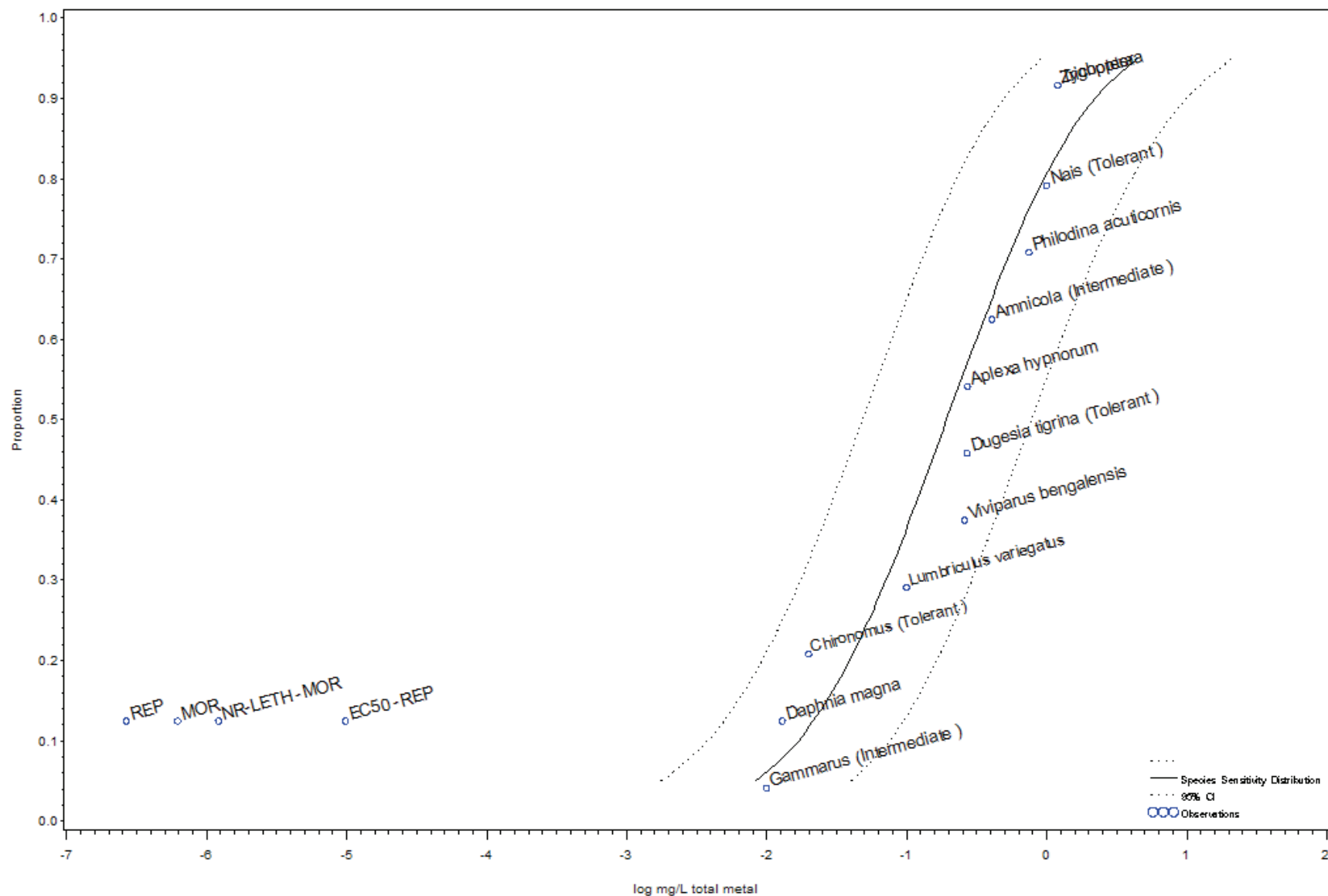
Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
11	1.59690	4.24977	0.94762	0.46915	3.62011	9	0.056701

Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log		Relative CIBreadth
					Central Tendency	log UpperCI	
0.05	3.35515	0.2753	0.5772	0.1313	-0.56023	-0.23870	1.61969
0.10	3.71845	0.4648	0.9444	0.2288	-0.33272	-0.02486	1.53952
0.20	4.15838	0.8765	1.7303	0.4440	-0.05723	0.23811	1.46738
0.25	4.32551	1.1154	2.1842	0.5696	0.04743	0.33928	1.44751
0.30	4.47560	1.3849	2.6963	0.7113	0.14142	0.43077	1.43331
0.50	5.00000	2.9499	5.6925	1.5286	0.46980	0.75530	1.41152
0.75	5.67449	7.8015	15.2782	3.9837	0.89218	1.18407	1.44773
0.90	6.28155	18.7209	38.0417	9.2129	1.27233	1.58026	1.53993
0.95	6.64485	31.6106	66.2892	15.0738	1.49983	1.82144	1.62020

Data Summary						
Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.31818	4.52721	Ceriodaphnia reticulata	2.3000	0.36173	.	.
0.31818	.	-->LOEC -MOR	.	-1.38629	.	.
0.31818	.	-->MATC -MOR	.	-1.96611	.	.
0.72727	5.60459	Daphnia carinata	5.5000	0.74036	.	.
0.72727	.	-->LOEC -MOR	.	-0.79851	.	.
0.72727	.	-->MATC -MOR	.	-3.10109	.	.
0.13636	3.90320	Daphnia magna	0.4823	-0.31665	0.04262	0.13461
0.22727	4.25214	Daphnia pulex	1.4241	0.15353	0.61876	4.03013
0.04545	3.30938	Gammarus pseudolimnaeus	0.2750	-0.56067	.	.
0.50000	5.00000	Heliodiaptomus viduus	3.1000	0.49136	.	.
0.50000	.	-->LOEC -MOR	.	-1.96611	.	.
0.50000	.	-->MATC -MOR	.	-3.10109	.	.
0.59091	5.22988	Lumbriculus variegatus	3.4000	0.53148	.	.
0.86364	6.09680	Mesocyclops hyalinus	8.0000	0.90309	.	.
0.86364	.	-->LOEC -MOR	.	0.91629	.	.
0.86364	.	-->MATC -MOR	.	-1.38629	.	.
0.95455	6.69062	Philodina acuticornis	48.9255	1.68953	0.01945	0.01151
0.40909	4.77012	Spirostomum ambiguum	2.6700	0.42651	.	.
0.40909	.	-->EC50 -DVP	.	0.65752	.	.
0.72727	5.60459	Stenocypris malcolmsoni	5.5000	0.74036	.	.
0.72727	.	-->LOEC -MOR	.	0.33647	.	.
0.72727	.	-->MATC -MOR	.	-1.96611	.	.

Mercury SSD for Invertebrates - in soft water at T>15C over long (3-30 days) exposure



Species Sensitivity Distribution (SSD 126) data for Invertebrate species exposed to mercury in soft water at T>15C over long (3-30 days) exposure

Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
12	1.20935	5.86282	0.90371	-0.72145	6.35975	10	0.099103

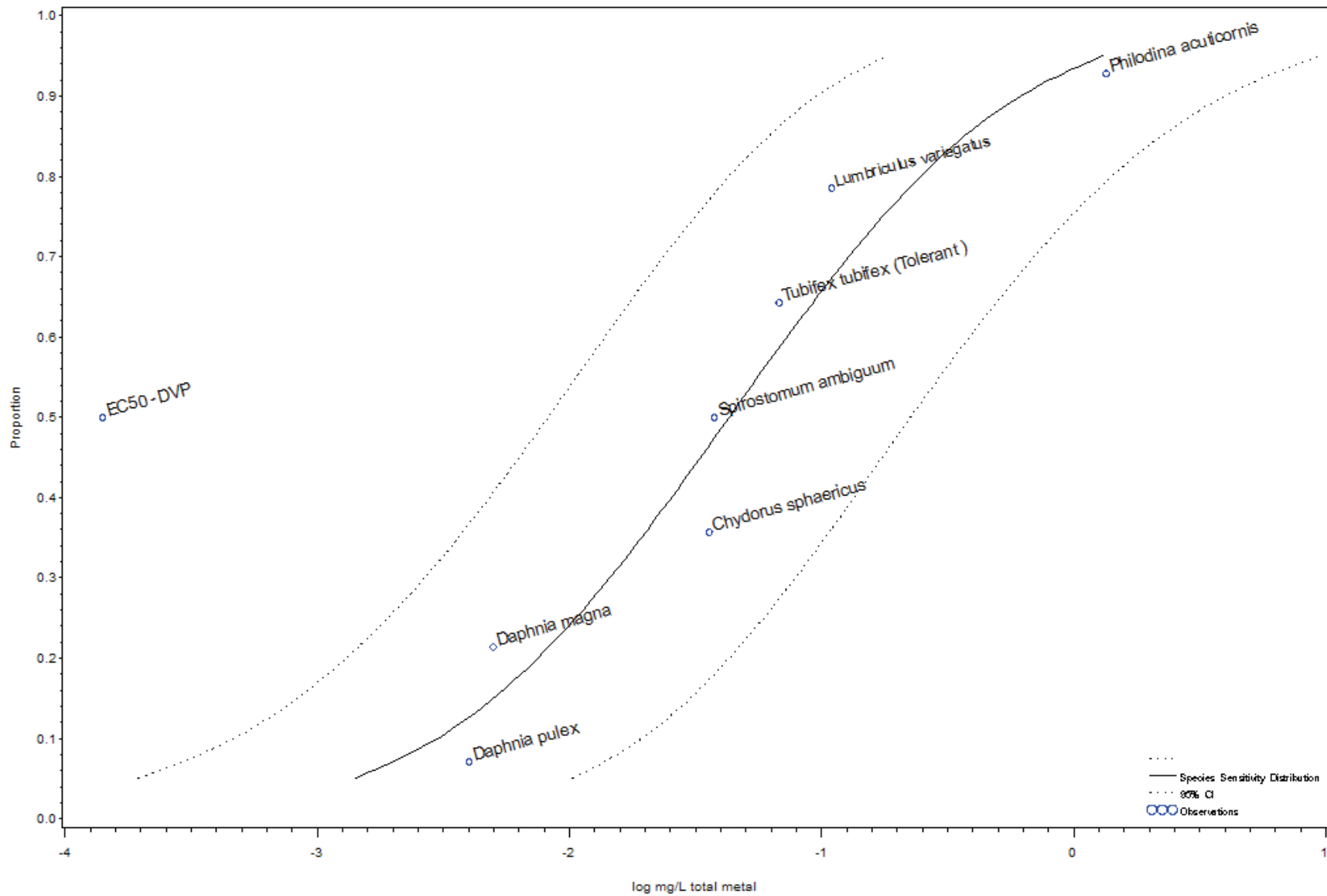
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log			Relative CIBreadth
					Central Tendency	UpperCI	LowerCI	
0.05	3.35515	0.00844	0.0301	0.00237	-2.07357	-1.52118	-2.62597	3.28745
0.10	3.71845	0.01686	0.0570	0.00499	-1.77316	-1.24414	-2.30218	3.08502
0.20	4.15838	0.03896	0.1254	0.01210	-1.40939	-0.90173	-1.91704	2.90780
0.25	4.32551	0.05356	0.1700	0.01687	-1.27119	-0.76946	-1.77291	2.85987
0.30	4.47560	0.07127	0.2241	0.02267	-1.14708	-0.64960	-1.64456	2.82594
0.50	5.00000	0.19344	0.5993	0.06244	-0.71346	-0.22239	-1.20453	2.77513
0.75	5.67449	0.69867	2.2214	0.21975	-0.15573	0.34662	-0.65807	2.86487
0.90	6.28155	2.21947	7.5230	0.65480	0.34625	0.87639	-0.18389	3.09451
0.95	6.64485	4.43262	15.8646	1.23849	0.64666	1.20043	0.09289	3.29966

Data Summary

Proportion Species	PROBIT	taxa	Geometric		Standard Deviation	CV
			Mean	LogMean		
0.62500	5.31864	Amnicola (Intermediate)	0.40988	-0.38735	1.00348	2.59065
0.54167	5.10463	Aplexa hypnorum	0.27300	-0.56384	.	.
0.20833	4.18778	Chironomus (Tolerant)	0.02000	-1.69897	.	.
0.12500	3.84965	Daphnia magna	0.01300	-1.88606	.	.
0.12500	.	-->EC50 -REP	.	-5.00565	.	.
0.12500	.	-->MOR	.	-6.20542	0.51508	.
0.12500	.	-->NR-LETH -MOR	.	-5.91450	.	.
0.12500	.	-->REP	.	-6.57092	0.62449	.
0.45833	4.89537	Dugesia tigrina (Tolerant)	0.27000	-0.56864	.	.
0.04167	3.26834	Gammarus (Intermediate)	0.01000	-2.00000	.	.
0.29167	4.45148	Lumbriculus variegatus	0.10000	-1.00000	.	.
0.79167	5.81222	Nais (Tolerant)	1.00000	0.00000	.	.
0.70833	5.54852	Philodina acuticornis	0.74833	-0.12591	0.04101	0.32569
0.91667	6.38299	Trichoptera	1.20000	0.07918	.	.
0.37500	4.68136	Viviparus bengalensis	0.26000	-0.58503	.	.
0.91667	6.38299	Zygoptera	1.20000	0.07918	.	.

Mercury SSD for Invertebrates - in soft water at T>15C over moderate (1-3 days) exposure



Species Sensitivity Distribution (SSD 127) data for Invertebrate species exposed to mercury in soft water at T>15C over moderate (1-3 days) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
7	1.10834	6.51404	0.92774	-1.36604	4.39189	5	0.084044

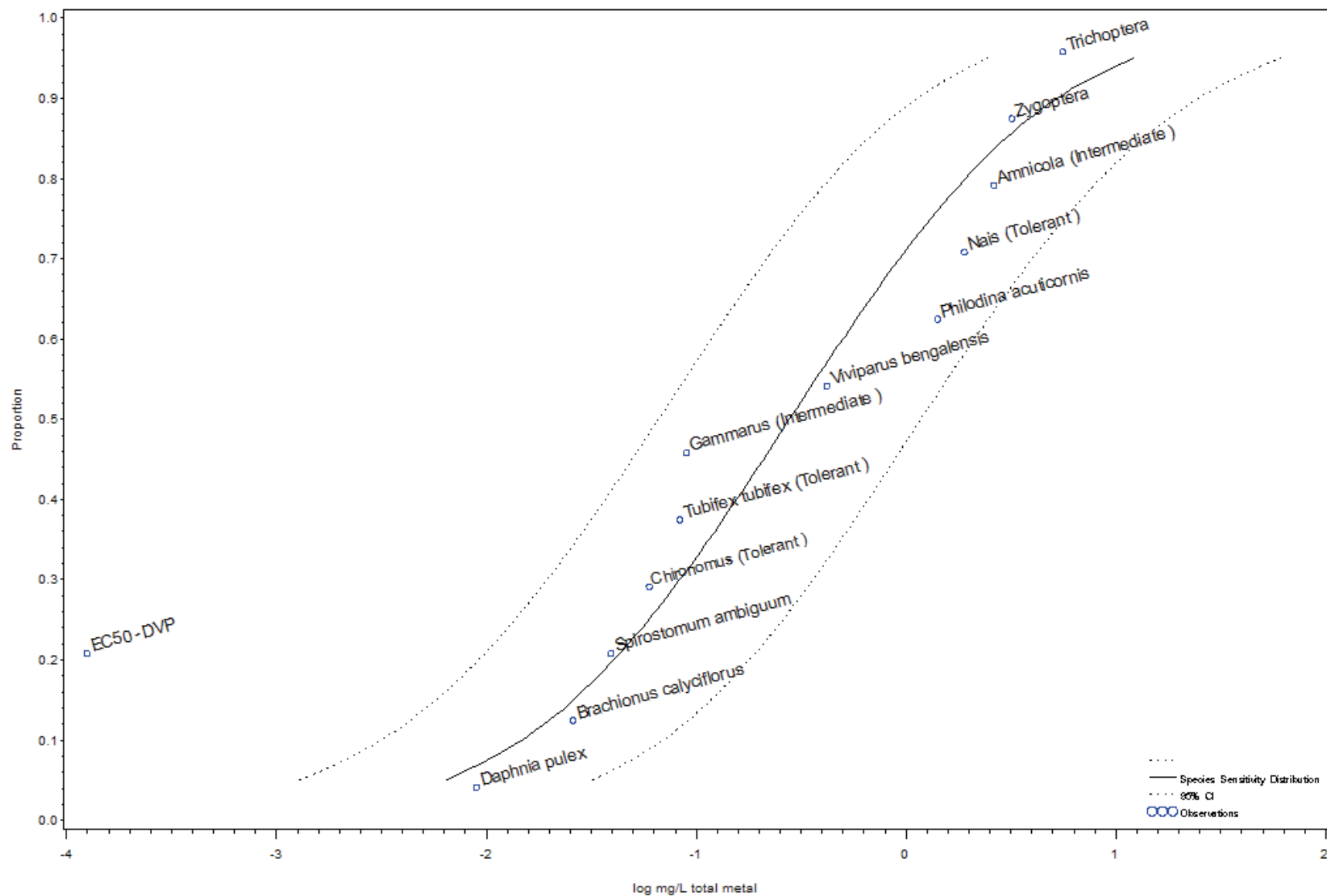
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.00141	0.00670	0.00030	-2.85012	-2.17425	-3.52599	4.53007
0.10	3.71845	0.00300	0.01293	0.00070	-2.52233	-1.88825	-3.15640	4.07381
0.20	4.15838	0.00749	0.02948	0.00190	-2.12540	-1.53045	-2.72034	3.68087
0.25	4.32551	0.01060	0.04067	0.00276	-1.97460	-1.39073	-2.55848	3.57529
0.30	4.47560	0.01448	0.05454	0.00385	-1.83918	-1.26330	-2.41507	3.50053
0.50	5.00000	0.04305	0.15755	0.01176	-1.36604	-0.80258	-1.92950	3.38658
0.75	5.67449	0.17479	0.67049	0.04557	-0.75748	-0.17361	-1.34136	3.57529
0.90	6.28155	0.61694	2.65655	0.14327	-0.20976	0.42432	-0.84384	4.07381
0.95	6.64485	1.31229	6.22156	0.27680	0.11803	0.79390	-0.55784	4.53007

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.35714	4.63389	Chydorus sphaericus	0.03603	-1.44336	0.30295	0.20989
0.21429	4.20836	Daphnia magna	0.00500	-2.30103	.	.
0.07143	3.53477	Daphnia pulex	0.00400	-2.39794	.	.
0.78571	5.79164	Lumbriculus variegatus	0.11000	-0.95861	.	.
0.92857	6.46523	Philodina acuticornis	1.34907	0.13004	0.02276	0.17501
0.50000	5.00000	Spirostomum ambiguum	0.03770	-1.42366	.	.
0.50000	.	-->EC50 -DVP	.	-3.84905	.	.
0.64286	5.36611	Tubifex tubifex (Tolerant)	0.06796	-1.16774	0.07600	0.06508

Mercury SSD for Invertebrates - in soft water at T>15C over short (<=1 day) exposure



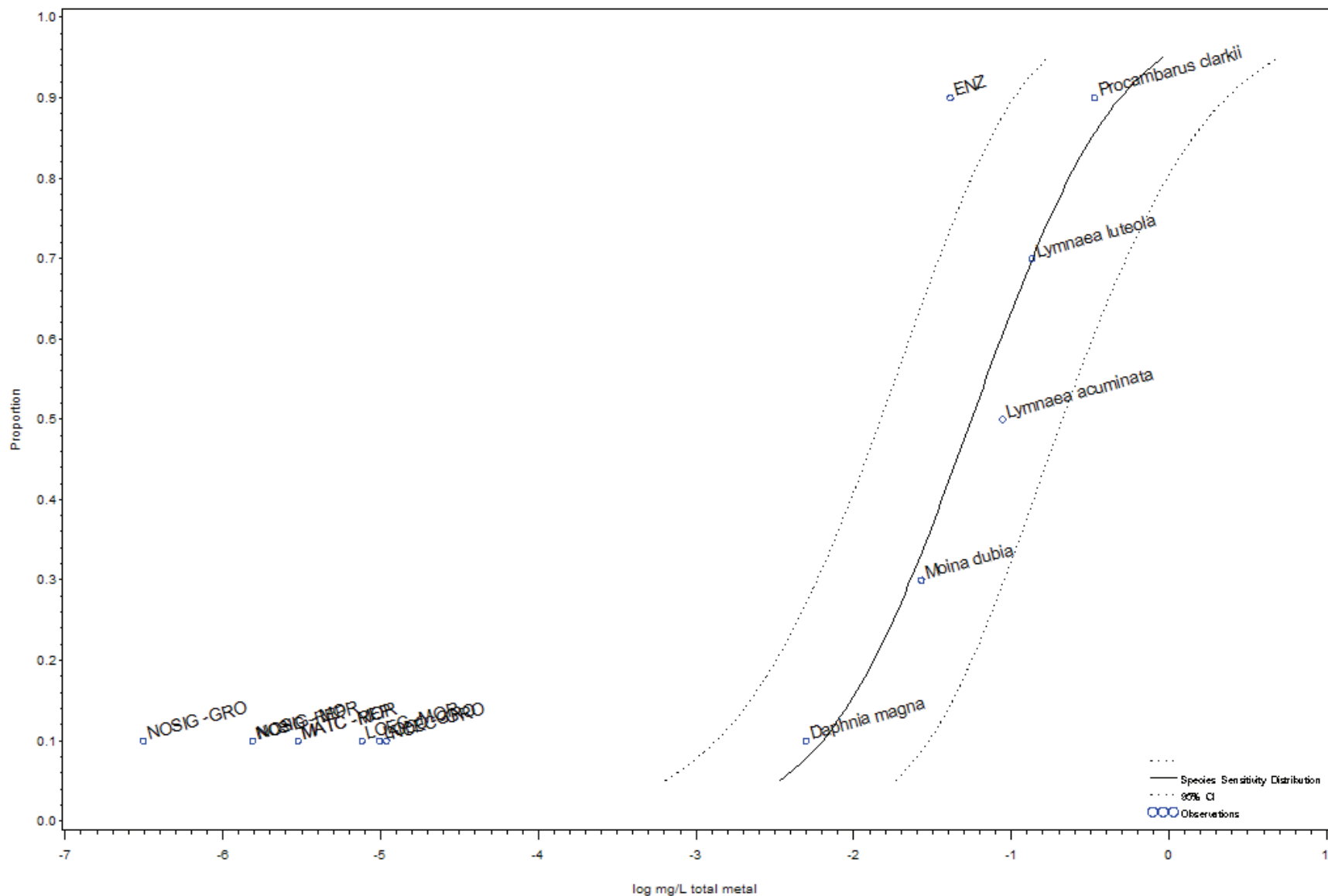
Species Sensitivity Distribution (SSD 128) data for Invertebrate species exposed to mercury in soft water at T>15C over short (<=1 day) exposure

Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
12	1.00465	5.55721	0.93204	-0.55463	9.96390	10	0.073333

Predicted Values								
Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.0064	0.0238	0.00174	-2.19188	-1.62374	-2.76001	3.42913
0.10	3.71845	0.0148	0.0519	0.00421	-1.83025	-1.28478	-2.37573	3.22660
0.20	4.15838	0.0405	0.1356	0.01210	-1.39236	-0.86759	-1.91712	3.04914
0.25	4.32551	0.0594	0.1963	0.01799	-1.22600	-0.70700	-1.74500	3.00103
0.30	4.47560	0.0838	0.2743	0.02562	-1.07661	-0.56173	-1.59148	2.96687
0.50	5.00000	0.2788	0.8992	0.08647	-0.55463	-0.04613	-1.06313	2.91464
0.75	5.67449	1.3084	4.3226	0.39604	0.11674	0.63574	-0.40226	3.00103
0.90	6.28155	5.2601	18.4703	1.49802	0.72099	1.26647	0.17552	3.22660
0.95	6.64485	12.0953	44.7459	3.26949	1.08262	1.65075	0.51448	3.42913

Data Summary						
Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.79167	5.81222	Amnicola (Intermediate)	2.63249	0.42037	0.53595	1.27496
0.12500	3.84965	Brachionus calyciflorus	0.02600	-1.58503	.	.
0.29167	4.45148	Chironomus (Tolerant)	0.06000	-1.22185	.	.
0.04167	3.26834	Daphnia pulex	0.00900	-2.04576	.	.
0.45833	4.89537	Gammarus (Intermediate)	0.09000	-1.04576	.	.
0.70833	5.54852	Nais (Tolerant)	1.90000	0.27875	.	.
0.62500	5.31864	Philodina acuticornis	1.41421	0.15051	0.21286	1.41421
0.20833	4.18778	Spirostomum ambiguum	0.03930	-1.40561	.	.
0.20833	.	-->EC50 -DVP	.	-3.90207	.	.
0.95833	6.73166	Trichoptera	5.60000	0.74819	.	.
0.37500	4.68136	Tubifex tubifex (Tolerant)	0.08360	-1.07778	0.11764	0.10915
0.54167	5.10463	Viviparus bengalensis	0.42000	-0.37675	.	.
0.87500	6.15035	Zygoptera	3.20000	0.50515	.	.

Mercury SSD for Invertebrates - in very hard water at T>15C over long (3-30 days) exposure



Species Sensitivity Distribution (SSD 129) data for Invertebrate species exposed to mercury in very hard water at T>15C over long (3-30 days) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
5	1.35830	6.70154	0.96068	-1.25269	1.99673	3	0.050263

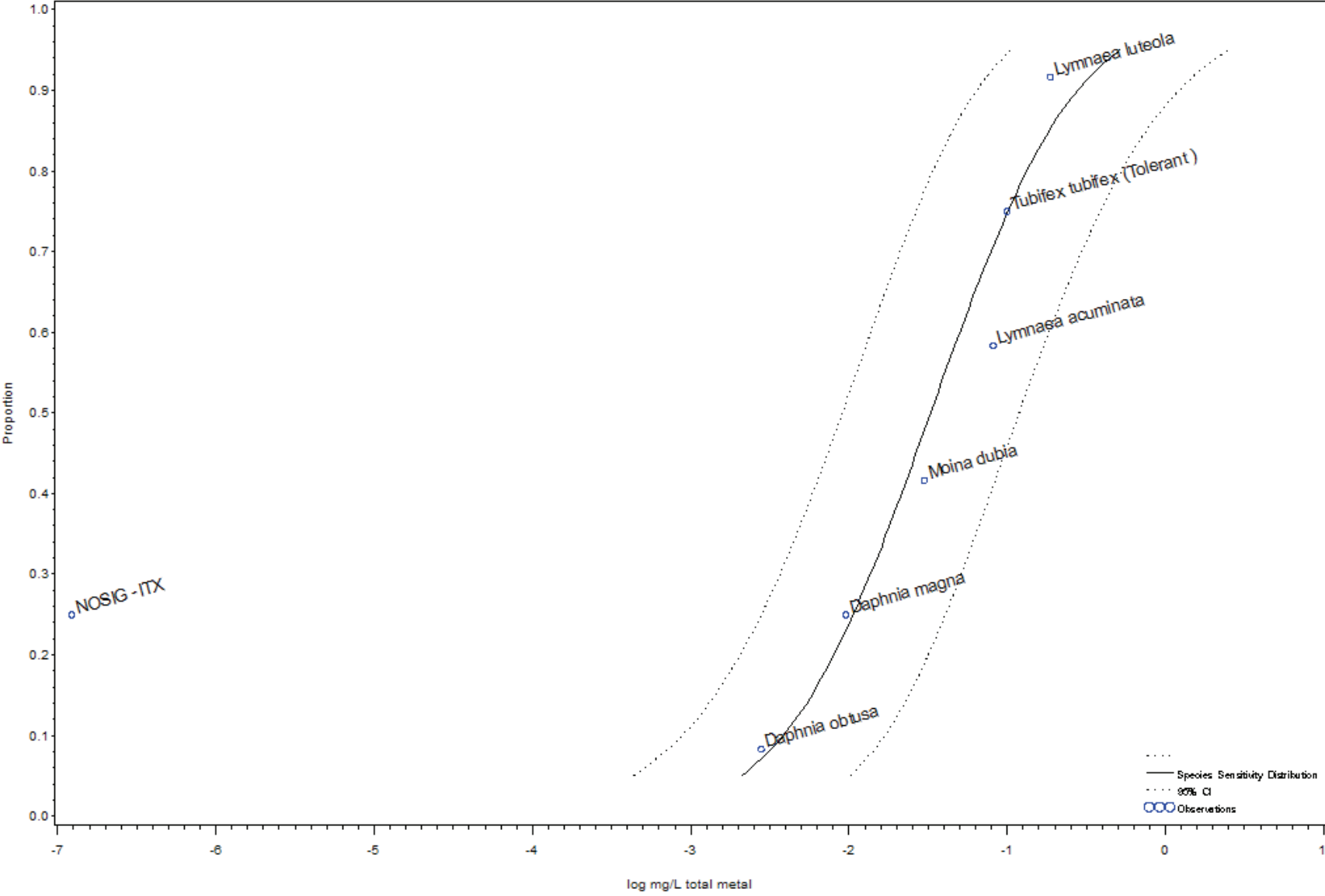
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.00344	0.01193	0.00099	-2.46365	-1.92341	-3.00390	3.18109
0.10	3.71845	0.00637	0.02005	0.00202	-2.19618	-1.69787	-2.69450	2.83261
0.20	4.15838	0.01342	0.03855	0.00467	-1.87230	-1.41397	-2.33063	2.52489
0.25	4.32551	0.01781	0.04984	0.00637	-1.74926	-1.30239	-2.19612	2.44073
0.30	4.47560	0.02297	0.06306	0.00837	-1.63876	-1.20022	-2.07730	2.38070
0.50	5.00000	0.05589	0.14887	0.02098	-1.25269	-0.82718	-1.67820	2.28844
0.75	5.67449	0.17534	0.49062	0.06266	-0.75612	-0.30926	-1.20299	2.44073
0.90	6.28155	0.49069	1.54569	0.15577	-0.30920	0.18912	-0.80752	2.83261
0.95	6.64485	0.90839	3.15149	0.26183	-0.04173	0.49852	-0.58198	3.18109

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.1	3.71845	Daphnia magna	0.00500	-2.30103	0.00000	0.00000
0.1	.	-->LOEC -GRO	.	-5.00442	1.13804	.
0.1	.	-->LOEC -MOR	.	-5.11600	0.00000	.
0.1	.	-->MATC -MOR	.	-5.52146	0.00000	.
0.1	.	-->MATC -REP	.	-5.52146	0.00000	.
0.1	.	-->NOEC -GRO	.	-4.96185	.	.
0.1	.	-->NOSIG -GRO	.	-6.50229	.	.
0.1	.	-->NOSIG -MOR	.	-5.80914	0.00000	.
0.1	.	-->NOSIG -REP	.	-5.80914	0.00000	.
0.5	5.00000	Lymnaea acuminata	0.08843	-1.05340	0.82714	0.78521
0.7	5.52440	Lymnaea luteola	0.13500	-0.86967	.	.
0.3	4.47560	Moina dubia	0.02700	-1.56864	.	.
0.9	6.28155	Procambarus clarkii	0.33828	-0.47073	0.37597	0.79870
0.9	.	-->ENZ	.	-1.38629	.	.

Mercury SSD for Invertebrates - in very hard water at T>15C over moderate (1-3 days) exposure



Species Sensitivity Distribution (SSD 130) data for Invertebrate species exposed to mercury in very hard water at T>15C over moderate (1-3 days) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
6	1.37994	7.04794	0.94519	-1.48407	2.39433	4	0.066094

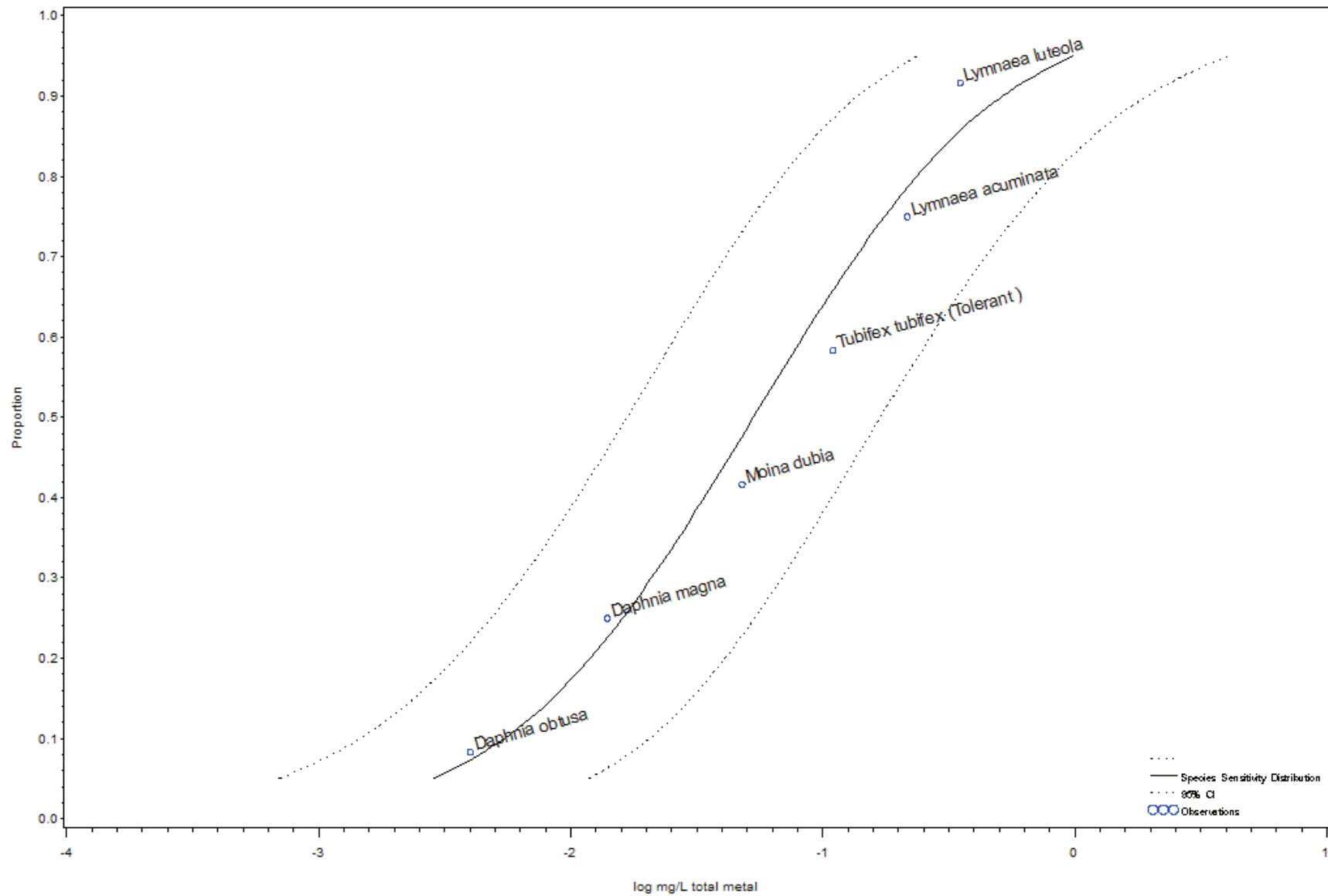
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.00211	0.00709	0.00063	-2.67604	-2.14913	-3.20296	3.06723
0.10	3.71845	0.00387	0.01197	0.00125	-2.41277	-1.92200	-2.90354	2.77277
0.20	4.15838	0.00805	0.02305	0.00281	-2.09397	-1.63731	-2.55063	2.51254
0.25	4.32551	0.01065	0.02979	0.00380	-1.97285	-1.52589	-2.41981	2.44142
0.30	4.47560	0.01367	0.03766	0.00497	-1.86409	-1.42415	-2.30403	2.39073
0.50	5.00000	0.03280	0.08809	0.01222	-1.48407	-1.05508	-1.91306	2.31290
0.75	5.67449	0.10109	0.28292	0.03612	-0.99529	-0.54833	-1.44225	2.44142
0.90	6.28155	0.27837	0.86178	0.08992	-0.55537	-0.06460	-1.04615	2.77277
0.95	6.64485	0.51039	1.71717	0.15170	-0.29210	0.23481	-0.81902	3.06723

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.25000	4.32551	Daphnia magna	0.00963	-2.01633	0.21573	0.10699
0.25000	.	-->NOSIG -ITX	.	-6.90776	.	.
0.08333	3.61701	Daphnia obtusa	0.00280	-2.55284	.	.
0.58333	5.21043	Lymnaea acuminata	0.08193	-1.08655	0.62044	0.57102
0.91667	6.38299	Lymnaea luteola	0.18800	-0.72584	.	.
0.41667	4.78957	Moina dubia	0.03000	-1.52288	.	.
0.75000	5.67449	Tubifex tubifex (Tolerant)	0.10000	-1.00000	.	.

Mercury SSD for Invertebrates - in very hard water at T>15C over short (<=1 day) exposure



Species Sensitivity Distribution (SSD 131) data for Invertebrate species exposed to mercury in very hard water at T>15C over short (<=1 day) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
6	1.29864	6.65479	0.96072	-1.27425	2.74791	4	0.047375

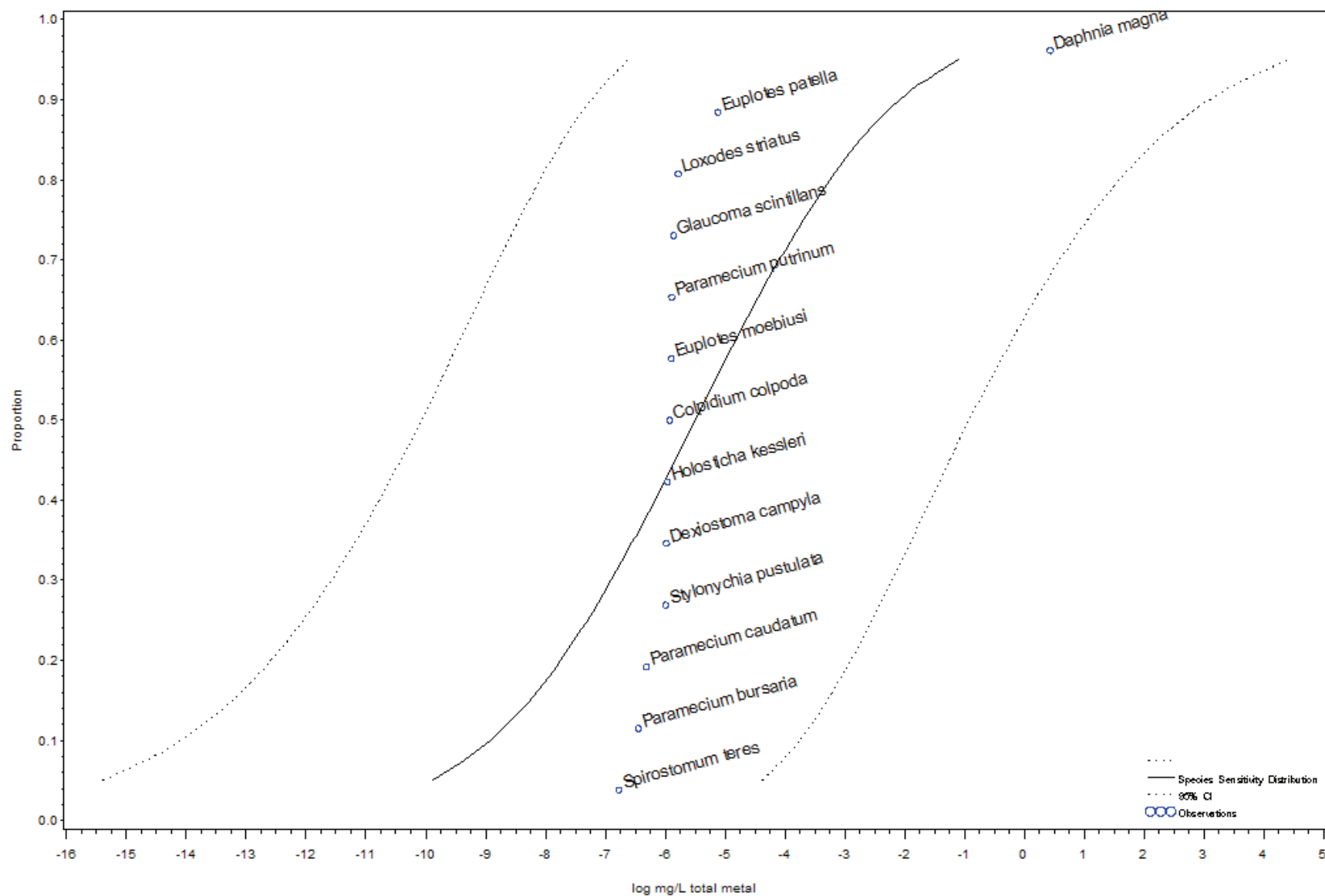
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.00288	0.00855	0.00097	-2.54084	-2.06810	-3.01357	2.63314
0.10	3.71845	0.00548	0.01512	0.00199	-2.26108	-1.82041	-2.70175	2.39596
0.20	4.15838	0.01196	0.03077	0.00465	-1.92232	-1.51189	-2.33276	2.18433
0.25	4.32551	0.01608	0.04057	0.00638	-1.79363	-1.39178	-2.19547	2.12615
0.30	4.47560	0.02099	0.05219	0.00844	-1.67805	-1.28242	-2.07368	2.08459
0.50	5.00000	0.05318	0.12933	0.02187	-1.27425	-0.88831	-1.66018	2.02062
0.75	5.67449	0.17585	0.44359	0.06971	-0.75486	-0.35302	-1.15671	2.12615
0.90	6.28155	0.51593	1.42319	0.18704	-0.28741	0.15326	-0.72808	2.39596
0.95	6.64485	0.98254	2.91799	0.33084	-0.00765	0.46508	-0.48039	2.63314

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.25000	4.32551	Daphnia magna	0.01400	-1.85387	.	.
0.08333	3.61701	Daphnia obtusa	0.00400	-2.39794	.	.
0.75000	5.67449	Lymnaea acuminata	0.21720	-0.66314	0.57620	0.86890
0.91667	6.38299	Lymnaea luteola	0.35225	-0.45315	0.04007	0.08844
0.41667	4.78957	Moina dubia	0.04800	-1.31876	.	.
0.58333	5.21043	Tubifex tubifex (Tolerant)	0.11000	-0.95861	.	.

Nickel SSD for Invertebrates - in moderately hard water at T>15C over short (<=1 day) exposure



Species Sensitivity Distribution (SSD 142) data for Invertebrate species exposed to nickel in moderately hard water at T>15C over short (<=1 day) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
13	0.37442	7.05823	0.47436	-5.49710	39.8825	11	0.56324

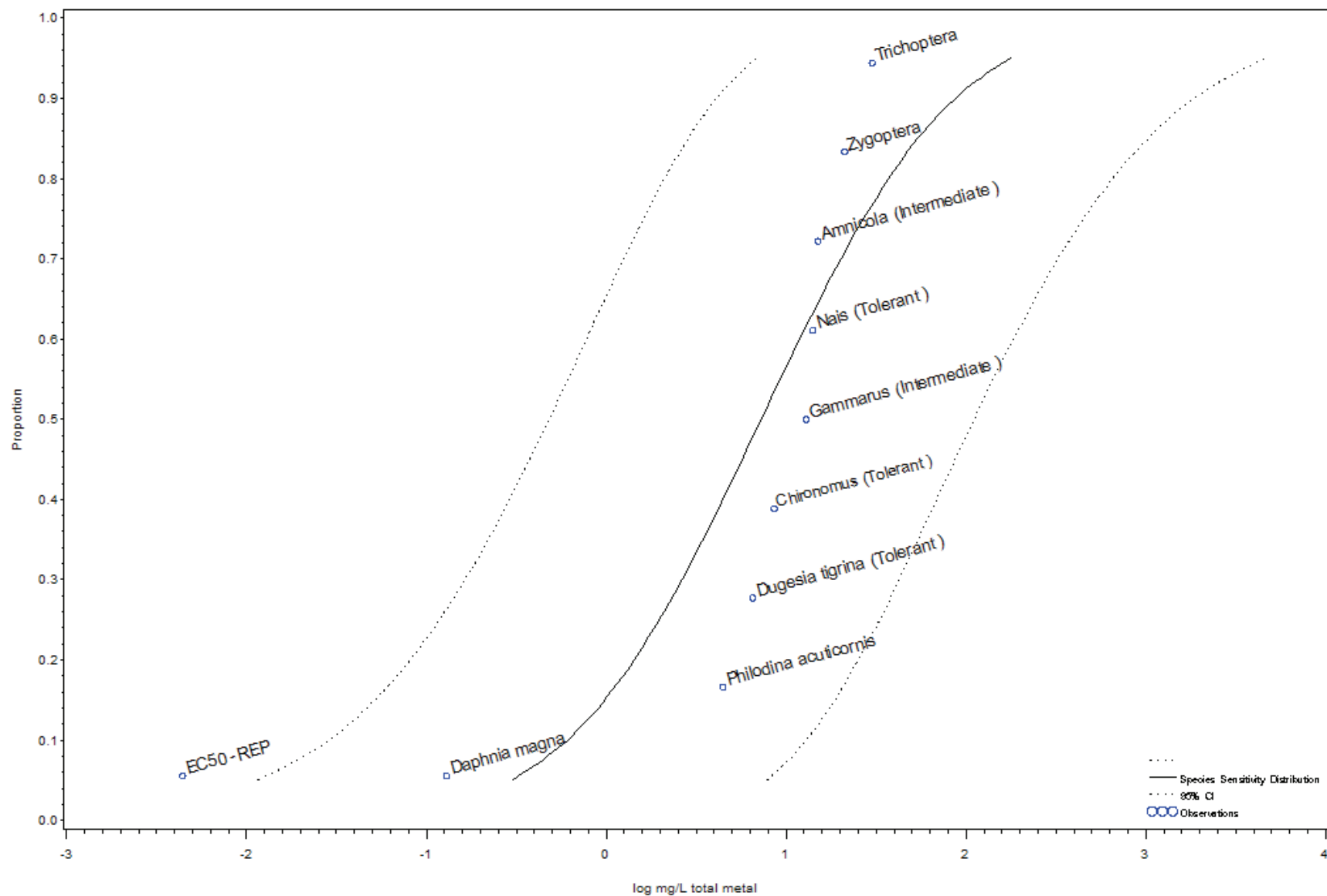
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.000000	0.00	4.0987E-15	-9.89016	-5.39297	-14.3874	31418.92
0.10	3.71845	0.000000	0.00	7.3416E-14	-8.91985	-4.70550	-13.1342	16381.55
0.20	4.15838	0.000000	0.00	2.0226E-12	-7.74489	-3.79570	-11.6941	8895.87
0.25	4.32551	0.000000	0.00	6.7198E-12	-7.29852	-3.42439	-11.1726	7483.86
0.30	4.47560	0.000000	0.00	1.9161E-11	-6.89766	-3.07774	-10.7176	6605.80
0.50	5.00000	0.000003	0.02	5.8523E-10	-5.49710	-1.76152	-9.2327	5439.69
0.75	5.67449	0.000202	1.51	.000000027	-3.69568	0.17845	-7.5698	7483.86
0.90	6.28155	0.008427	138.04	.000000514	-2.07434	2.14001	-6.2887	16381.55
0.95	6.64485	0.078698	2472.61	.000002505	-1.10404	3.39315	-5.6012	31418.92

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.50000	5.00000	Colpidium colpoda	0.000	-5.92082	.	.
0.96154	6.76883	Daphnia magna	2.716	0.43393	.	.
0.34615	4.60427	Dexiostoma campyla	0.000	-5.97881	.	.
0.57692	5.19403	Euplotes moebiusi	0.000	-5.89279	.	.
0.88462	6.19838	Euplotes patella	0.000	-5.11351	.	.
0.73077	5.61514	Glaucoma scintillans	0.000	-5.85387	.	.
0.42308	4.80597	Holosticha kessleri	0.000	-5.95861	.	.
0.80769	5.86942	Loxodes striatus	0.000	-5.77728	.	.
0.11538	3.80162	Paramecium bursaria	0.000	-6.44370	.	.
0.19231	4.13058	Paramecium caudatum	0.000	-6.30980	.	.
0.65385	5.39573	Paramecium putrinum	0.000	-5.88606	.	.
0.03846	3.23117	Spirostomum teres	0.000	-6.76955	.	.
0.26923	4.38486	Stylonychia pustulata	0.000	-5.99140	.	.

Nickel SSD for Invertebrates - in soft water at T>15C over long (3-30 days) exposure



Species Sensitivity Distribution (SSD 143) data for Invertebrate species exposed to nickel in soft water at T>15C over long (3-30 days) exposure

Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
9	1.18877	3.97444	0.71574	0.86271	3.95194	7	0.31685

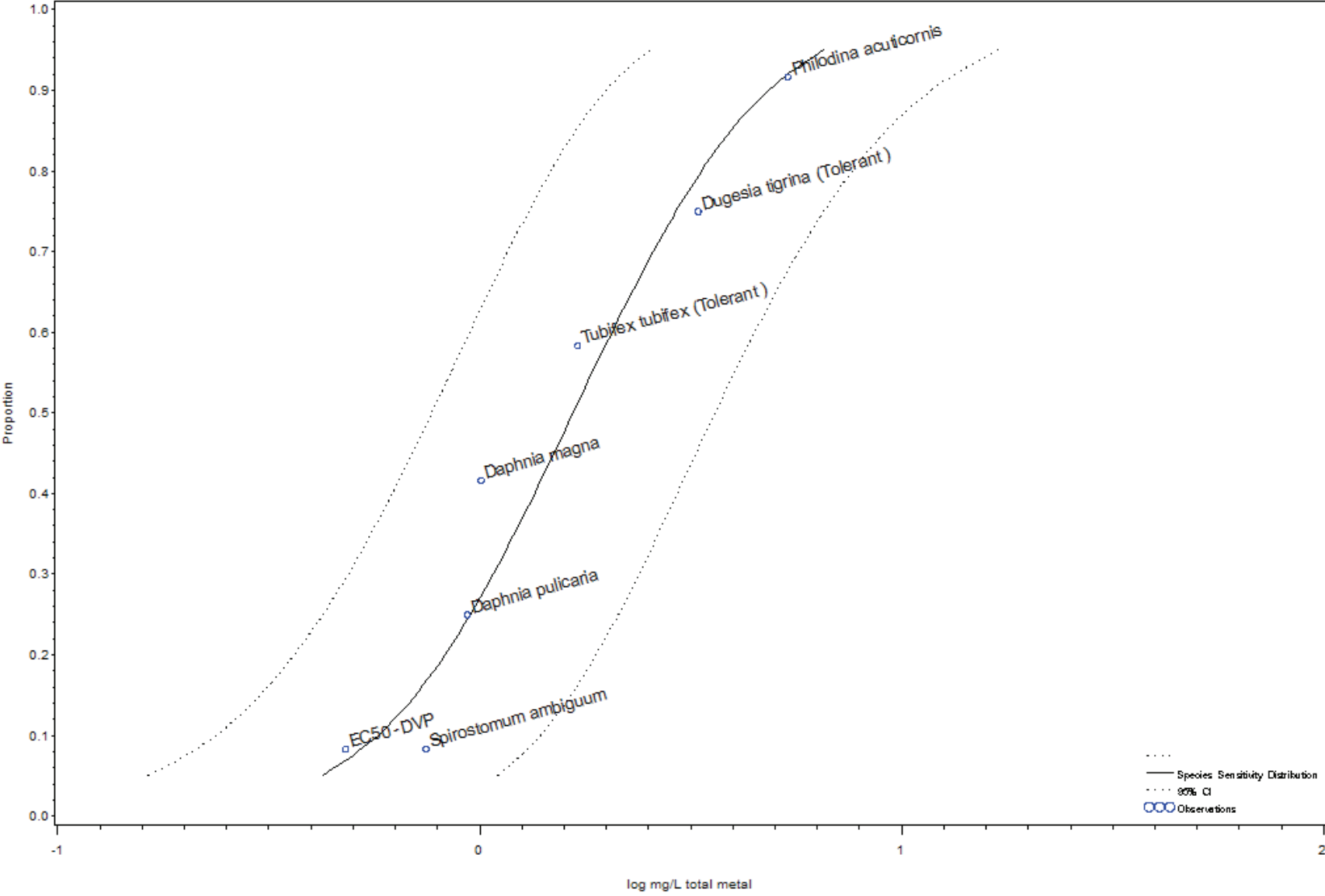
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log			Relative CIBreadth
					Central Tendency	log UpperCI	log LowerCI	
0.05	3.35515	0.301	4.09	0.0222	-0.52095	0.61223	-1.65414	13.5154
0.10	3.71845	0.609	7.05	0.0526	-0.21534	0.84810	-1.27878	11.4864
0.20	4.15838	1.428	14.22	0.1434	0.15473	1.15288	-0.84342	9.8570
0.25	4.32551	1.974	18.84	0.2068	0.29532	1.27501	-0.68436	9.4382
0.30	4.47560	2.640	24.43	0.2852	0.42158	1.38794	-0.54478	9.1466
0.50	5.00000	7.290	64.32	0.8262	0.86271	1.80834	-0.08293	8.7100
0.75	5.67449	26.921	256.91	2.8210	1.43010	2.40978	0.45041	9.4382
0.90	6.28155	87.249	1009.72	7.5391	1.94076	3.00420	0.87732	11.4864
0.95	6.64485	176.349	2396.40	12.9774	2.24637	3.37956	1.11319	13.5154

Data Summary

Proportion Species	PROBIT	taxa	Geometric		Standard Deviation	CV
			Mean	LogMean		
0.72222	5.58946	Amnicola (Intermediate)	15.1191	1.17953	0.13633	0.11558
0.38889	4.71778	Chironomus (Tolerant)	8.6000	0.93450	.	.
0.05556	3.40678	Daphnia magna	0.1300	-0.88606	.	.
0.05556	.	-->EC50 -REP	.	-2.35388	.	.
0.27778	4.41054	Dugesia tigrina (Tolerant)	6.5452	0.81592	0.57896	0.70957
0.50000	5.00000	Gammarus (Intermediate)	13.0000	1.11394	.	.
0.61111	5.28222	Nais (Tolerant)	14.1000	1.14922	.	.
0.16667	4.03258	Philodina acuticornis	4.4770	0.65098	0.24595	0.37782
0.94444	6.59322	Trichoptera	30.2000	1.48001	.	.
0.83333	5.96742	Zygoptera	21.2000	1.32634	.	.

Nickel SSD for Invertebrates - in soft water at T>15C over moderate (1-3 days) exposure



Species Sensitivity Distribution (SSD 144) data for Invertebrate species exposed to nickel in soft water at T>15C over moderate (1-3 days) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
6	2.76963	4.38557	0.92040	0.22185	0.57879	4	0.095994

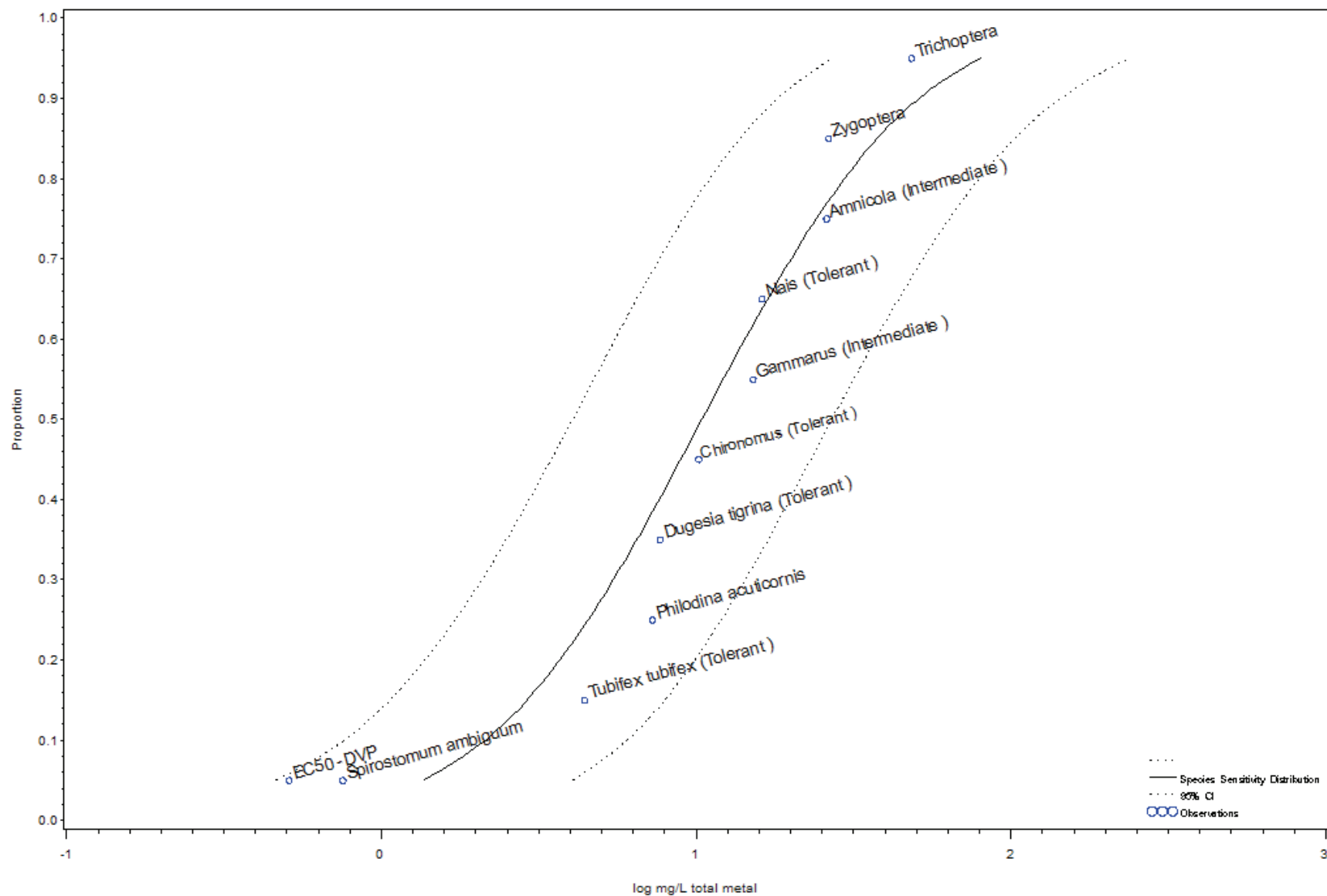
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.42458	0.8826	0.20424	-0.37204	-0.05422	-0.68987	1.59781
0.10	3.71845	0.57429	1.1344	0.29074	-0.24087	0.05475	-0.53649	1.46898
0.20	4.15838	0.82789	1.5582	0.43988	-0.08203	0.19261	-0.35667	1.35076
0.25	4.32551	0.95129	1.7660	0.51245	-0.02168	0.24698	-0.29035	1.31768
0.30	4.47560	1.07772	1.9808	0.58636	0.03251	0.29685	-0.23183	1.29390
0.50	5.00000	1.66666	3.0160	0.92099	0.22185	0.47944	-0.03574	1.25703
0.75	5.67449	2.91996	5.4205	1.57294	0.46538	0.73404	0.19671	1.31768
0.90	6.28155	4.83685	9.5540	2.44874	0.68456	0.98018	0.38894	1.46898
0.95	6.64485	6.54239	13.6006	3.14713	0.81574	1.13356	0.49791	1.59781

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.41667	4.78957	Daphnia magna	1.00930	0.00402	0.27663	68.8105
0.25000	4.32551	Daphnia pulicaria	0.93660	-0.02845	0.11313	3.9769
0.75000	5.67449	Dugesia tigrina (Tolerant)	3.30000	0.51851	.	.
0.91667	6.38299	Philodina acuticornis	5.38095	0.73086	0.14262	0.1951
0.08333	3.61701	Spirostomum ambiguum	0.74700	-0.12668	.	.
0.08333	.	-->EC50 -DVP	.	-0.31745	.	.
0.58333	5.21043	Tubifex tubifex (Tolerant)	1.70927	0.23281	1.14326	4.9107

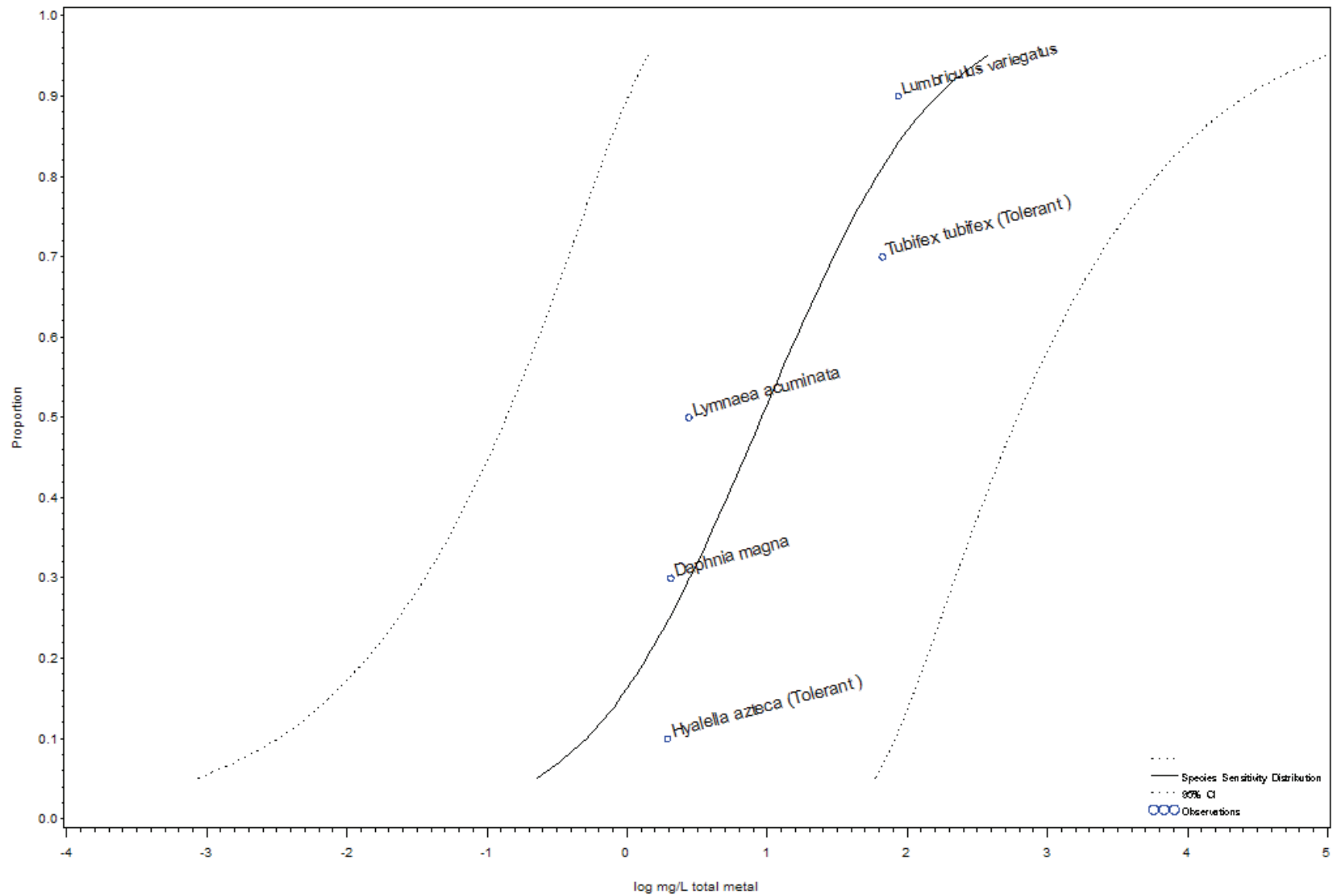
Nickel SSD for Invertebrates - in soft water at T>15C over short (<=1 day) exposure



Species Sensitivity Distribution (SSD 145) data for Invertebrate species exposed to nickel in soft water at T>15C over short (<=1 day) exposure

Model Parameters								
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE	
10	1.86122	3.10270	0.90854	1.01939	2.30744	8	0.10058	
Predicted Values								
Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	1.3666	3.278	0.5697	0.13564	0.51566	-0.24439	1.98212
0.10	3.71845	2.1421	4.930	0.9307	0.33083	0.69286	-0.03120	1.86712
0.20	4.15838	3.6915	8.178	1.6663	0.56720	0.91265	0.22175	1.76398
0.25	4.32551	4.5394	9.950	2.0710	0.65700	0.99780	0.31619	1.73560
0.30	4.47560	5.4656	11.888	2.5128	0.73764	1.07511	0.40016	1.71534
0.50	5.00000	10.4565	22.475	4.8648	1.01939	1.35171	0.68707	1.68417
0.75	5.67449	24.0868	52.794	10.9893	1.38178	1.72259	1.04097	1.73560
0.90	6.28155	51.0438	117.482	22.1776	1.70794	2.06997	1.34591	1.86712
0.95	6.64485	80.0090	191.939	33.3514	1.90314	2.28316	1.52311	1.98212
Data Summary								
Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV		
0.75	5.67449	Amnicola (Intermediate)	26.0000	1.41497	.	.		
0.45	4.87434	Chironomus (Tolerant)	10.2000	1.00860	.	.		
0.35	4.61468	Dugesia tigrina (Tolerant)	7.7000	0.88649	.	.		
0.55	5.12566	Gammarus (Intermediate)	15.2000	1.18184	.	.		
0.65	5.38532	Nais (Tolerant)	16.2000	1.20952	.	.		
0.25	4.32551	Philodina acuticornis	7.2725	0.86168	0.01307	0.01517		
0.05	3.35515	Spirostomum ambiguum	0.7560	-0.12148	.	.		
0.05	.	-->EC50 -DVP	.	-0.29169	.	.		
0.95	6.64485	Trichoptera	48.4000	1.68485	.	.		
0.15	3.96357	Tubifex tubifex (Tolerant)	4.4238	0.64579	1.36002	2.10597		
0.85	6.03643	Zygoptera	26.4000	1.42160	.	.		

Nickel SSD for Invertebrates - in very hard water at T>15C over long (3-30 days) exposure



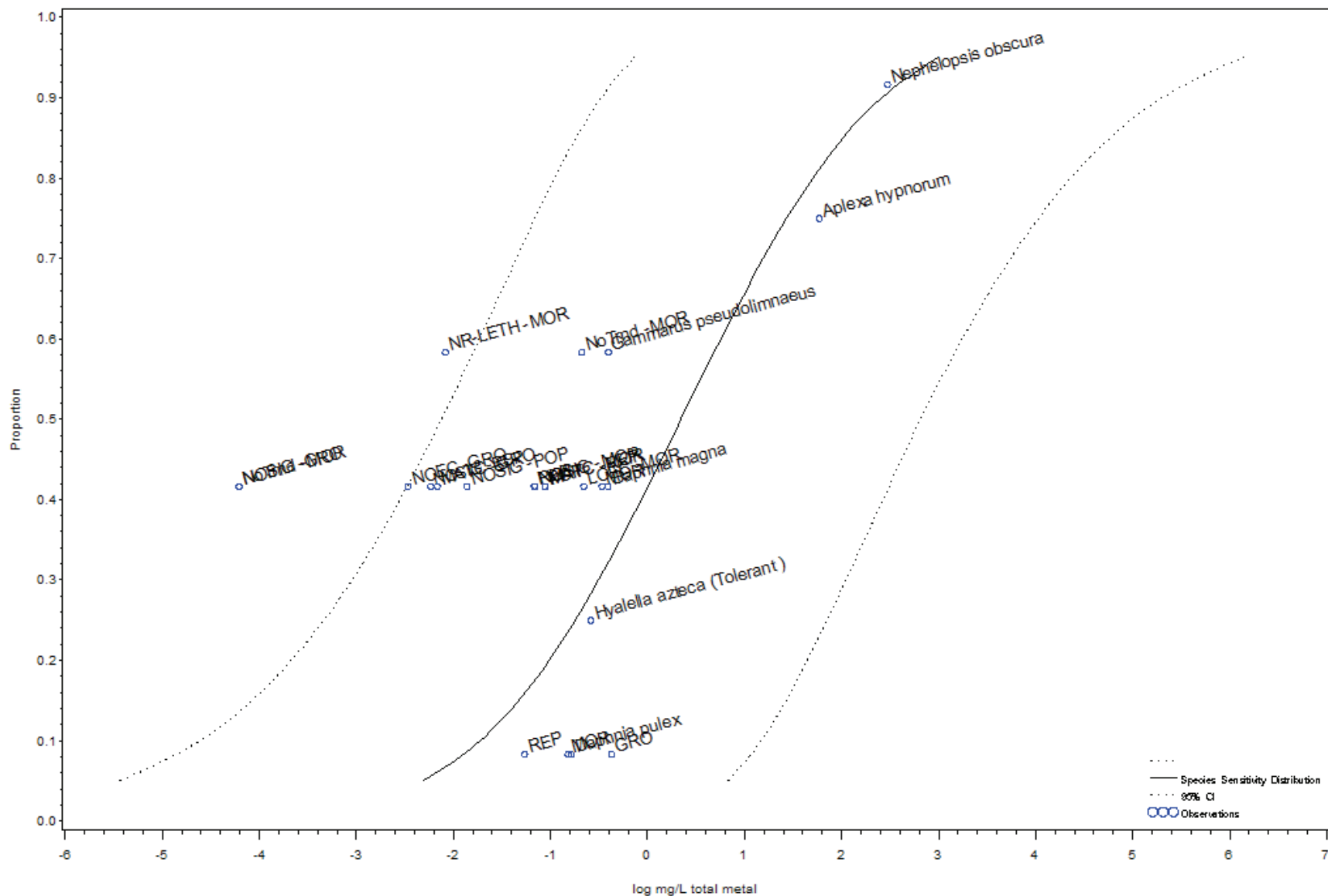
Species Sensitivity Distribution (SSD 146) data for Invertebrate species exposed to nickel in very hard water at T>15C over long (3-30 days) exposure

Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
5	1.02404	4.01491	0.77540	0.96197	2.83549	3	0.28709

Predicted Values								
Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.227	13.94	0.00369	-0.64427	1.14434	-2.43288	61.4457
0.10	3.71845	0.513	21.90	0.01204	-0.28950	1.34053	-1.91952	42.6368
0.20	4.15838	1.381	41.38	0.04607	0.14011	1.61682	-1.33661	29.9385
0.25	4.32551	2.011	54.40	0.07430	0.30331	1.73561	-1.12898	27.0211
0.30	4.47560	2.818	70.76	0.11220	0.44988	1.84978	-0.95002	25.0732
0.50	5.00000	9.162	204.58	0.41028	0.96197	2.31085	-0.38692	22.2850
0.75	5.67449	41.747	1129.59	1.54287	1.62062	3.05292	0.18833	27.0211
0.90	6.28155	163.469	6973.63	3.83188	2.21344	3.84346	0.58341	42.6368
0.95	6.64485	370.006	22741.28	6.02007	2.56821	4.35681	0.77960	61.4457

Data Summary							
Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV	
0.3	4.47560	Daphnia magna	2.0603	0.31393	0.16541	0.52692	
0.1	3.71845	Hyalella azteca (Tolerant)	1.9494	0.28989	0.01575	0.05434	
0.9	6.28155	Lumbriculus variegatus	86.6025	1.93753	0.08835	0.04560	
0.5	5.00000	Lymnaea acuminata	2.7800	0.44404	.	.	
0.7	5.52440	Tubifex tubifex (Tolerant)	66.7500	1.82445	.	.	

Selenium SSD for Invertebrates - in water at T>15C over long (3-30 days) exposure



Species Sensitivity Distribution (SSD 158) data for Invertebrate species exposed to selenium in water at T>15C over long (3-30 days) exposure

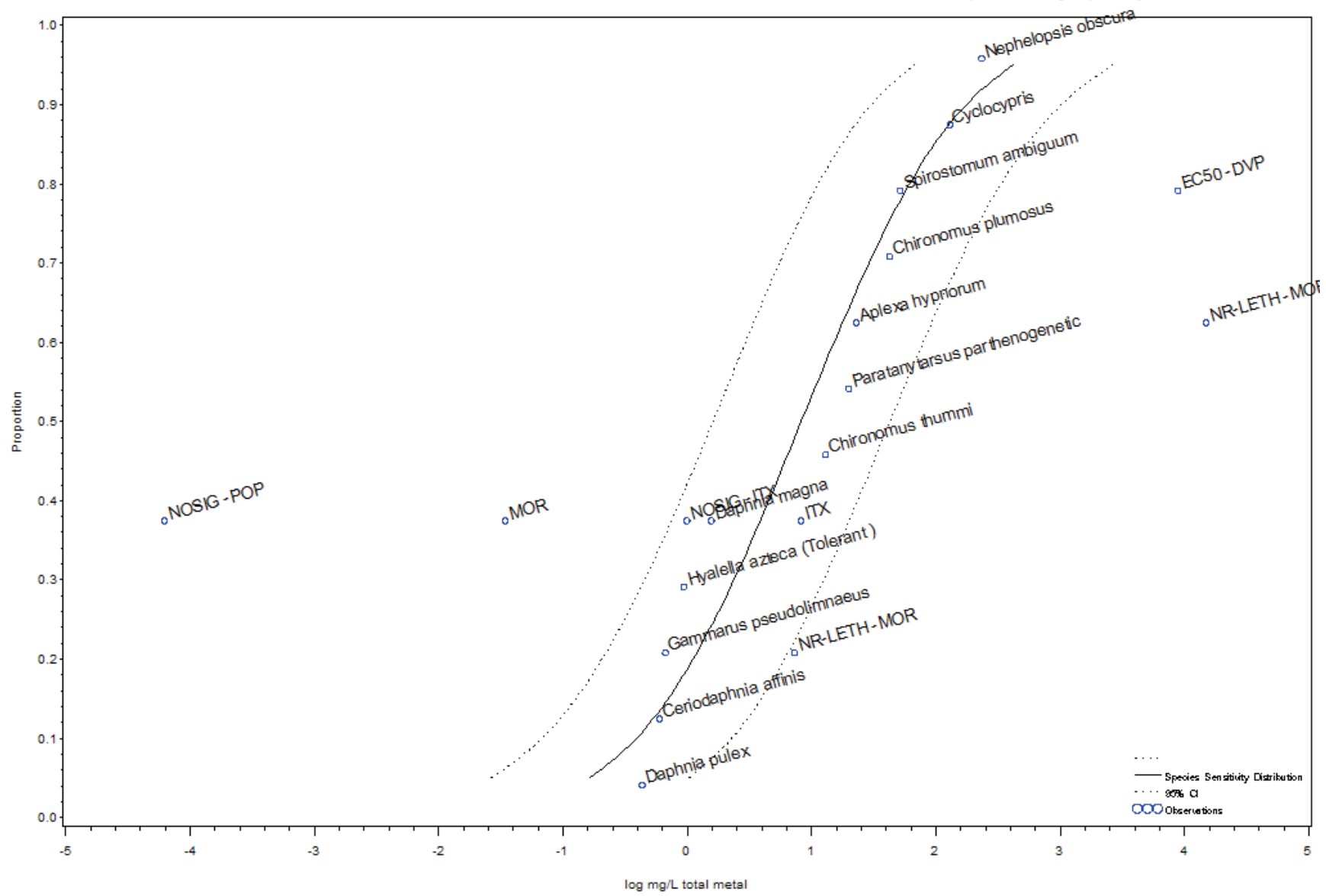
Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
6	0.61999	4.78482	0.78389	0.34707	9.83742	4	0.26061

Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log			Relative CIBreadth
					Central Tendency	log UpperCI	log LowerCI	
0.05	3.35515	0.00	1.27	0.00002	-2.30598	0.10226	-4.71422	255.994
0.10	3.71845	0.02	3.17	0.00011	-1.72000	0.50109	-3.94109	166.370
0.20	4.15838	0.10	10.77	0.00089	-1.01042	1.03216	-3.05299	110.290
0.25	4.32551	0.18	17.81	0.00185	-0.74084	1.25054	-2.73223	98.026
0.30	4.47560	0.32	28.54	0.00352	-0.49876	1.45547	-2.45298	89.985
0.50	5.00000	2.22	175.02	0.02825	0.34707	2.24309	-1.54895	78.696
0.75	5.67449	27.23	2669.11	0.27771	1.43498	3.42637	-0.55641	98.026
0.90	6.28155	259.50	43174.14	1.55970	2.41413	4.63522	0.19304	166.370
0.95	6.64485	1000.27	256066.82	3.90733	3.00012	5.40835	0.59188	255.994

Data Summary							
Proportion			Geometric		Standard		
Species	PROBIT	taxa	Mean	LogMean	Deviation	CV	
0.75000	5.67449	Aplexa hypnorum	59.619	1.77539	0.42084	0.23704	
0.41667	4.78957	Daphnia magna	0.393	-0.40589	0.03877	0.09552	
0.41667	.	-->LOEC -MOR	.	-0.65393	0.00000	.	
0.41667	.	-->MATC -GRO	.	-2.16282	.	.	
0.41667	.	-->MATC -MOR	.	-1.04982	0.00000	.	
0.41667	.	-->MATC -REP	.	-1.04982	0.00000	.	
0.41667	.	-->MOR	.	-0.46469	1.14308	.	
0.41667	.	-->NOEC -GRO	.	-2.46510	.	.	
0.41667	.	-->NOSIG -MOR	.	-1.15561	0.54302	.	
0.41667	.	-->NOSIG -POP	.	-1.85790	.	.	
0.41667	.	-->NOSIG -REP	.	-1.57071	0.24871	.	
0.41667	.	-->POP	.	-1.05555	.	.	
0.41667	.	-->REP	.	-1.16426	0.15373	.	
0.08333	3.61701	Daphnia pulex	0.165	-0.78342	0.43522	0.55553	
0.08333	.	-->GRO	.	-0.36698	0.20342	.	
0.08333	.	-->MOR	.	-0.81492	0.55657	.	
0.08333	.	-->REP	.	-1.26286	0.49013	.	
0.58333	5.21043	Gammarus pseudolimnaeus	0.399	-0.39926	0.88808	2.22434	
0.58333	.	-->NR-LETH -MOR	.	-2.07944	.	.	
0.58333	.	-->NoTrend -MOR	.	-0.67334	.	.	
0.25000	4.32551	Hyalella azteca (Tolerant)	0.263	-0.58087	0.52692	0.90712	
0.91667	6.38299	Nephelopsis obscura	299.543	2.47646	0.19510	0.07878	

Selenium SSD for Invertebrates - in water at T>15C over moderate (1-3 days) exposure



Species Sensitivity Distribution (SSD 159) data for Invertebrate species exposed to selenium in water at T>15C over moderate (1-3 days) exposure

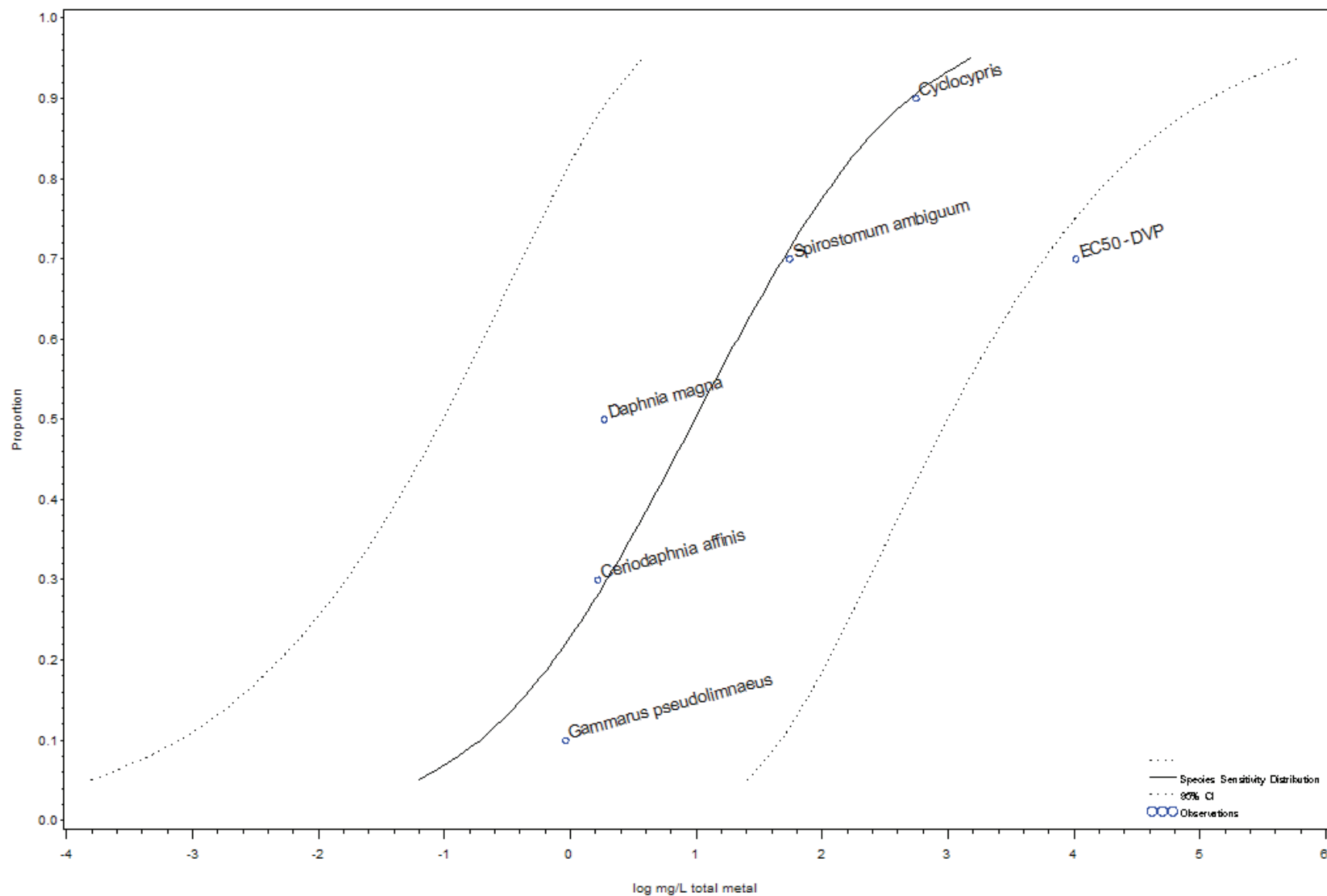
Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
12	0.96680	4.11194	0.91841	0.91856	10.6021	10	0.088035

Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log			Relative CIBreadth
					Central Tendency	log UpperCI	log LowerCI	
0.05	3.35515	0.165	0.73	0.0371	-0.78279	-0.13498	-1.43059	4.21935
0.10	3.71845	0.392	1.64	0.0936	-0.40701	0.21465	-1.02867	3.94569
0.20	4.15838	1.117	4.42	0.2820	0.04803	0.64578	-0.54971	3.70796
0.25	4.32551	1.663	6.49	0.4264	0.22090	0.81199	-0.37019	3.64383
0.30	4.47560	2.378	9.17	0.6164	0.37615	0.96247	-0.21017	3.59838
0.50	5.00000	8.290	31.44	2.1858	0.91856	1.49751	0.33961	3.52905
0.75	5.67449	41.325	161.18	10.5955	1.61621	2.20730	1.02512	3.64383
0.90	6.28155	175.438	734.15	41.9241	2.24412	2.86578	1.62246	3.94569
0.95	6.64485	416.776	1852.30	93.7766	2.61990	3.26771	1.97209	4.21935

Data Summary						
Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.62500	5.31864	Aplexa hypnorum	23.000	1.36173	0.00000	0.00000
0.62500	.	-->NR-LETH -MOR	.	4.17439	.	.
0.12500	3.84965	Ceriodaphnia affinis	0.602	-0.22013	0.05732	0.26040
0.70833	5.54852	Chironomus plumosus	42.720	1.63063	0.09665	0.05927
0.45833	4.89537	Chironomus thummi	12.991	1.11363	0.08018	0.07200
0.87500	6.15035	Cyclocypris	130.000	2.11394	.	.
0.37500	4.68136	Daphnia magna	1.574	0.19698	0.49977	2.53717
0.37500	.	-->MOR	.	-1.51413	.	.
0.37500	.	-->NOSIG -ITX	.	0.00000	.	.
0.04167	3.26834	Daphnia pulex	0.435	-0.36111	0.58764	1.62732
0.20833	4.18778	Gammarus pseudolimnaeus	0.671	-0.17336	0.86959	5.01619
0.20833	.	-->NR-LETH -MOR	.	0.86273	2.06916	.
0.29167	4.45148	Hyalella azteca (Tolerant)	0.940	-0.02687	.	.
0.95833	6.73166	Nephelopsis obscura	235.000	2.37107	0.00000	0.00000
0.54167	5.10463	Paratanytarsus parthenogenetic	20.000	1.30103	.	.
0.79167	5.81222	Spirostomum ambiguum	51.900	1.71517	.	.
0.79167	.	-->EC50 -DVP	.	3.94932	.	.

Selenium SSD for Invertebrates - in water at T>15C over short (<=1 day) exposure



Species Sensitivity Distribution (SSD 160) data for Invertebrate species exposed to selenium in water at T>15C over short (<=1 day) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
5	0.75054	4.25643	0.85422	0.99071	5.81514	3	0.18635

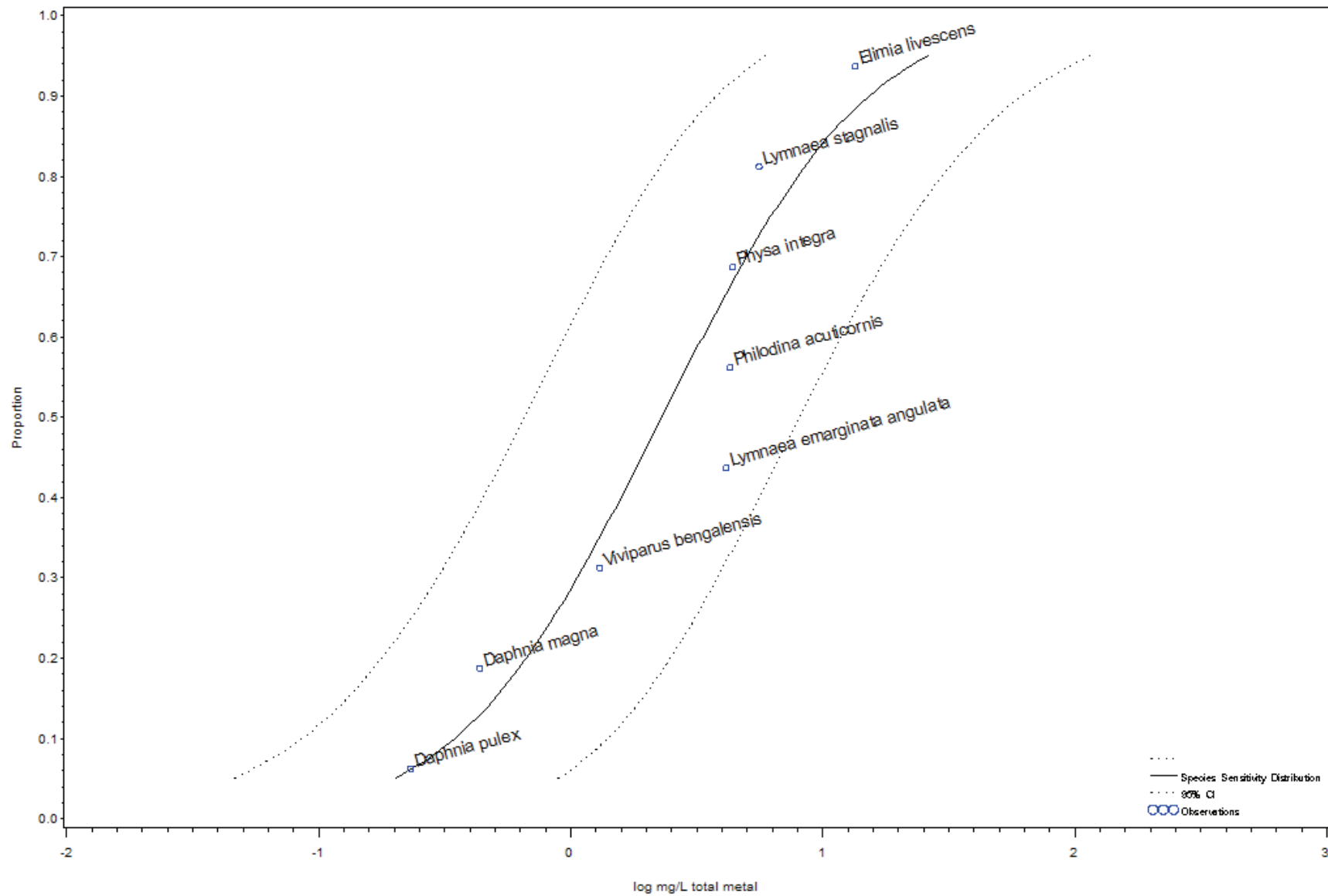
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.06	5.32	0.0007	-1.20086	0.72574	-3.12745	84.4373
0.10	3.71845	0.19	11.19	0.0033	-0.71680	1.04874	-2.48234	58.2656
0.20	4.15838	0.74	30.21	0.0181	-0.13065	1.48016	-1.74146	40.7897
0.25	4.32551	1.24	45.52	0.0336	0.09204	1.65824	-1.47417	36.8029
0.30	4.47560	1.96	66.95	0.0573	0.29201	1.82575	-1.24173	34.1480
0.50	5.00000	9.79	297.48	0.3221	0.99071	2.47346	-0.49204	30.3583
0.75	5.67449	77.52	2854.89	2.1047	1.88939	3.45559	0.32318	36.8029
0.90	6.28155	499.14	29091.34	8.5641	2.69822	4.46376	0.93268	58.2656
0.95	6.64485	1521.53	128491.56	18.0171	3.18228	5.10887	1.25568	84.4373

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.3	4.47560	Ceriodaphnia affinis	1.671	0.22299	0.24888	1.1161
0.9	6.28155	Cyclocypris	560.000	2.74819	.	.
0.5	5.00000	Daphnia magna	1.870	0.27191	0.63974	2.3528
0.1	3.71845	Gammarus pseudolimnaeus	0.923	-0.03461	0.82636	23.8786
0.7	5.52440	Spirostomum ambiguum	55.600	1.74507	.	.
0.7	.	-->EC50 -DVP	.	4.01818	.	.

Zinc SSD for Invertebrates - in hard water at T>15C over moderate (1-3 days) exposure



Species Sensitivity Distribution (SSD 170) data for Invertebrate species exposed to zinc in hard water at T>15C over moderate (1-3 days) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
8	1.56063	4.43508	0.90526	0.36198	2.53057	6	0.10750

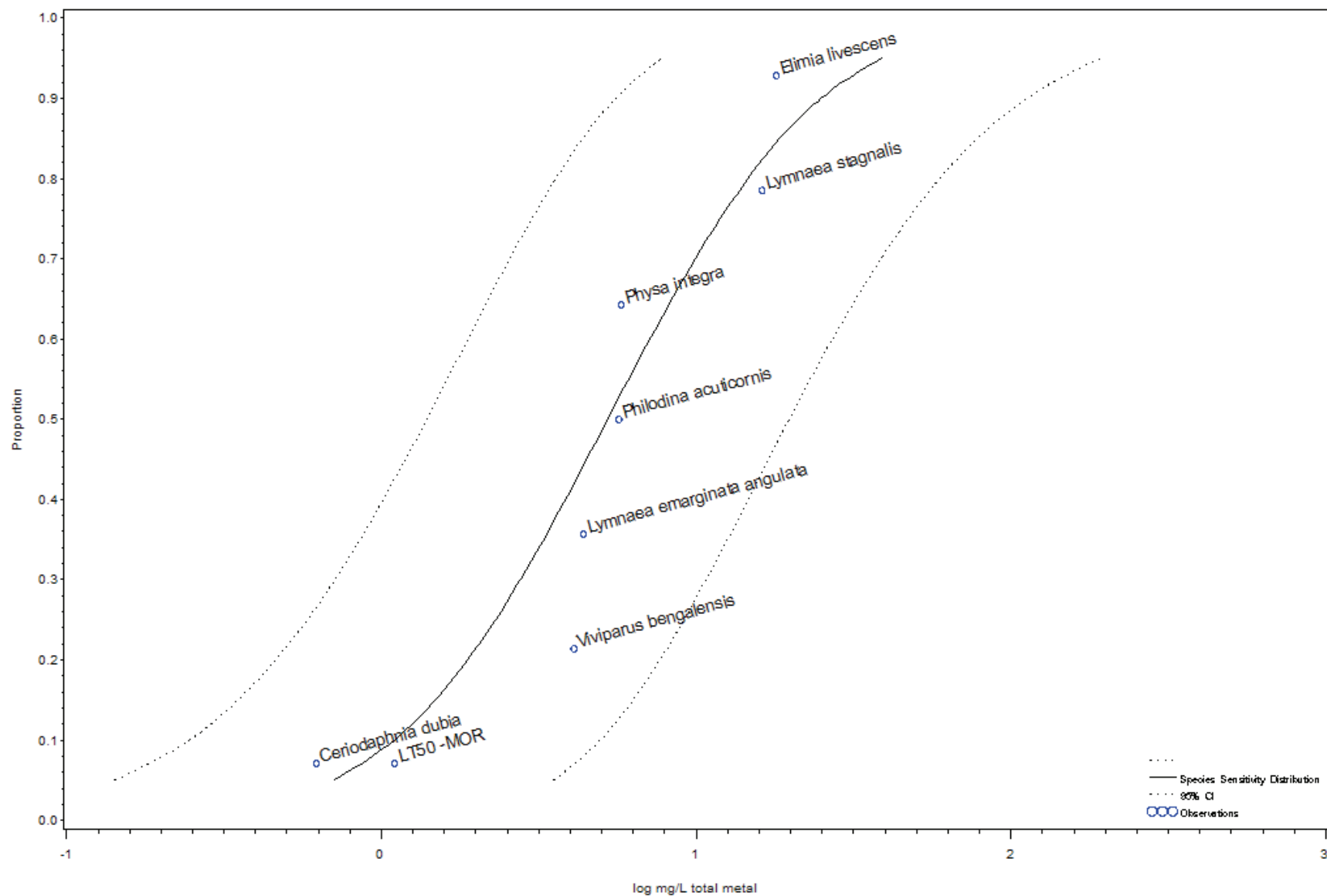
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.2032	0.6585	0.06273	-0.69198	-0.18144	-1.20253	2.93138
0.10	3.71845	0.3474	1.0529	0.11461	-0.45919	0.02238	-0.94076	2.70095
0.20	4.15838	0.6648	1.8936	0.23340	-0.17730	0.27729	-0.63189	2.49724
0.25	4.32551	0.8507	2.3811	0.30395	-0.07021	0.37678	-0.51720	2.44164
0.30	4.47560	1.0616	2.9341	0.38410	0.02596	0.46748	-0.41555	2.40203
0.50	5.00000	2.3013	6.2372	0.84912	0.36198	0.79499	-0.07103	2.34129
0.75	5.67449	6.2254	17.4245	2.22424	0.79417	1.24116	0.34718	2.44164
0.90	6.28155	15.2460	46.2088	5.03020	1.18316	1.66473	0.70159	2.70095
0.95	6.64485	26.0583	84.4295	8.04264	1.41595	1.92649	0.90540	2.93138

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.1875	4.11285	Daphnia magna	0.4370	-0.35956	0.38603	1.07363
0.0625	3.46588	Daphnia pulex	0.2325	-0.63360	.	.
0.9375	6.53412	Elimia livescens	13.5000	1.13033	.	.
0.4375	4.84269	Lymnaea emarginata angulata	4.1500	0.61805	.	.
0.8125	5.88715	Lymnaea stagnalis	5.6000	0.74819	.	.
0.5625	5.15731	Philodina acuticornis	4.3000	0.63347	.	.
0.6875	5.48878	Physa integra	4.4000	0.64345	.	.
0.3125	4.51122	Viviparus bengalensis	1.3047	0.11551	0.18524	1.60364

Zinc SSD for Invertebrates - in hard water at T>15C over short (<=1 day) exposure



Species Sensitivity Distribution (SSD 171) data for Invertebrate species exposed to zinc in hard water at T>15C over short (<=1 day) exposure

Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
7	1.89146	3.63966	0.86503	0.71920	1.40606	5	0.15698

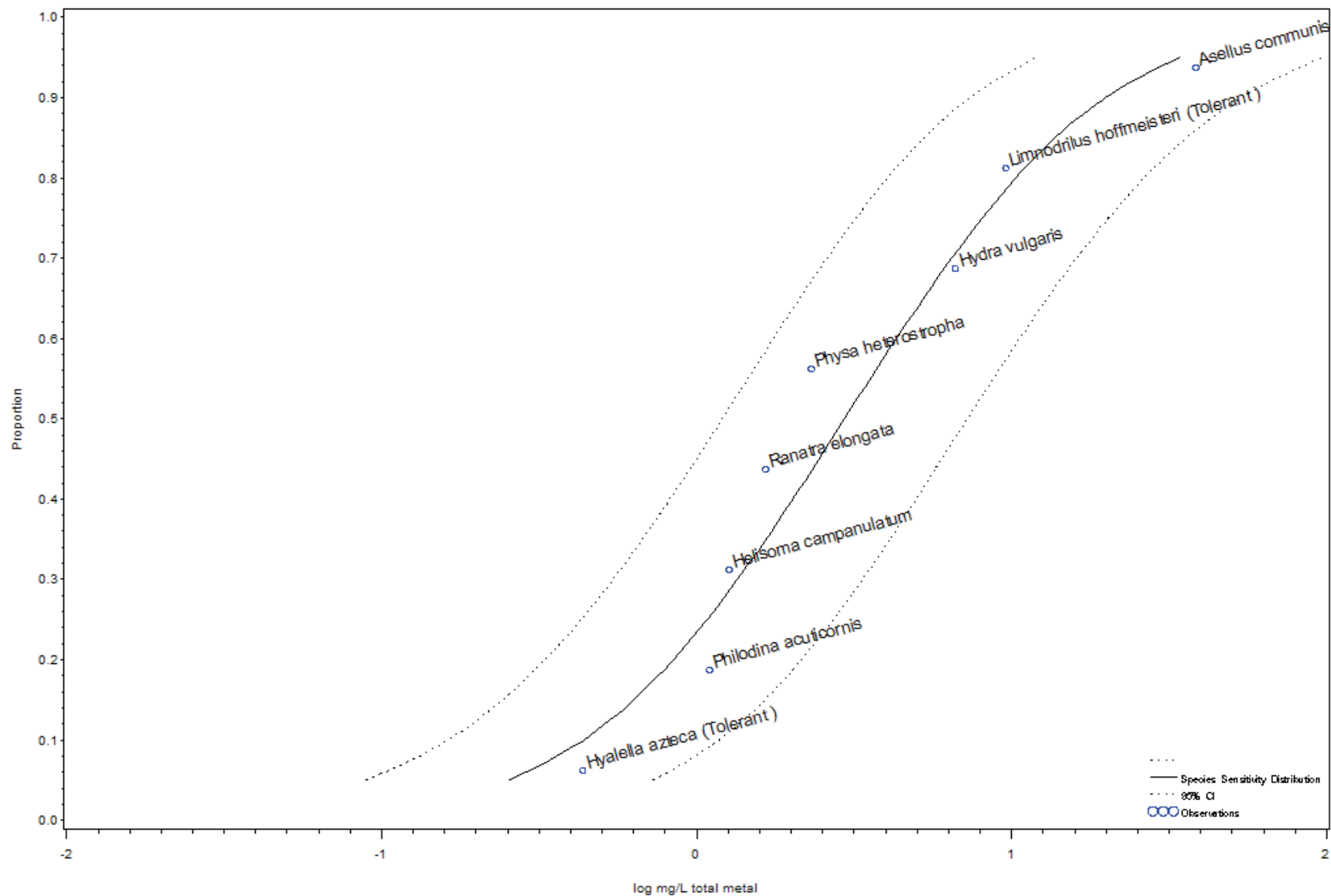
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log			Relative CIBreadth
					Central Tendency	log UpperCI	log LowerCI	
0.05	3.35515	0.7073	2.493	0.2006	-0.15042	0.39679	-0.69764	3.24180
0.10	3.71845	1.1007	3.575	0.3388	0.04165	0.55331	-0.47000	2.94042
0.20	4.15838	1.8804	5.656	0.6252	0.27424	0.75247	-0.20399	2.67521
0.25	4.32551	2.3046	6.782	0.7832	0.36260	0.83136	-0.10615	2.60295
0.30	4.47560	2.7666	8.014	0.9551	0.44195	0.90386	-0.01995	2.55151
0.50	5.00000	5.2384	14.806	1.8534	0.71920	1.17044	0.26796	2.47265
0.75	5.67449	11.9069	35.039	4.0462	1.07580	1.54455	0.60704	2.60295
0.90	6.28155	24.9314	80.984	7.6753	1.39675	1.90840	0.88509	2.94042
0.95	6.64485	38.7991	136.784	11.0054	1.58882	2.13604	1.04161	3.24180

Data Summary

Proportion Species	PROBIT	taxa	Geometric		Standard Deviation	CV
			Mean	LogMean		
0.07143	3.53477	Ceriodaphnia dubia	0.6219	-0.20628	0.34723	1.68328
0.07143	.	-->LT50 -MOR	.	0.04321	1.23216	.
0.92857	6.46523	Elimia livescens	18.0000	1.25527	.	.
0.35714	4.63389	Lymnaea emarginata angulata	4.4000	0.64345	.	.
0.78571	5.79164	Lymnaea stagnalis	16.2462	1.21075	0.52294	0.43191
0.50000	5.00000	Philodina acuticornis	5.7000	0.75587	.	.
0.64286	5.36611	Physa integra	5.8000	0.76343	.	.
0.21429	4.20836	Viviparus bengalensis	4.0917	0.61190	0.09331	0.15249

Zinc SSD for Invertebrates - in moderately hard water at T>15C over long (3-30 days) exposure



Species Sensitivity Distribution (SSD 172) data for Invertebrate species exposed to zinc in moderately hard water at T>15C over long (3-30 days) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
8	1.54671	4.27337	0.95267	0.46979	2.71125	6	0.053710

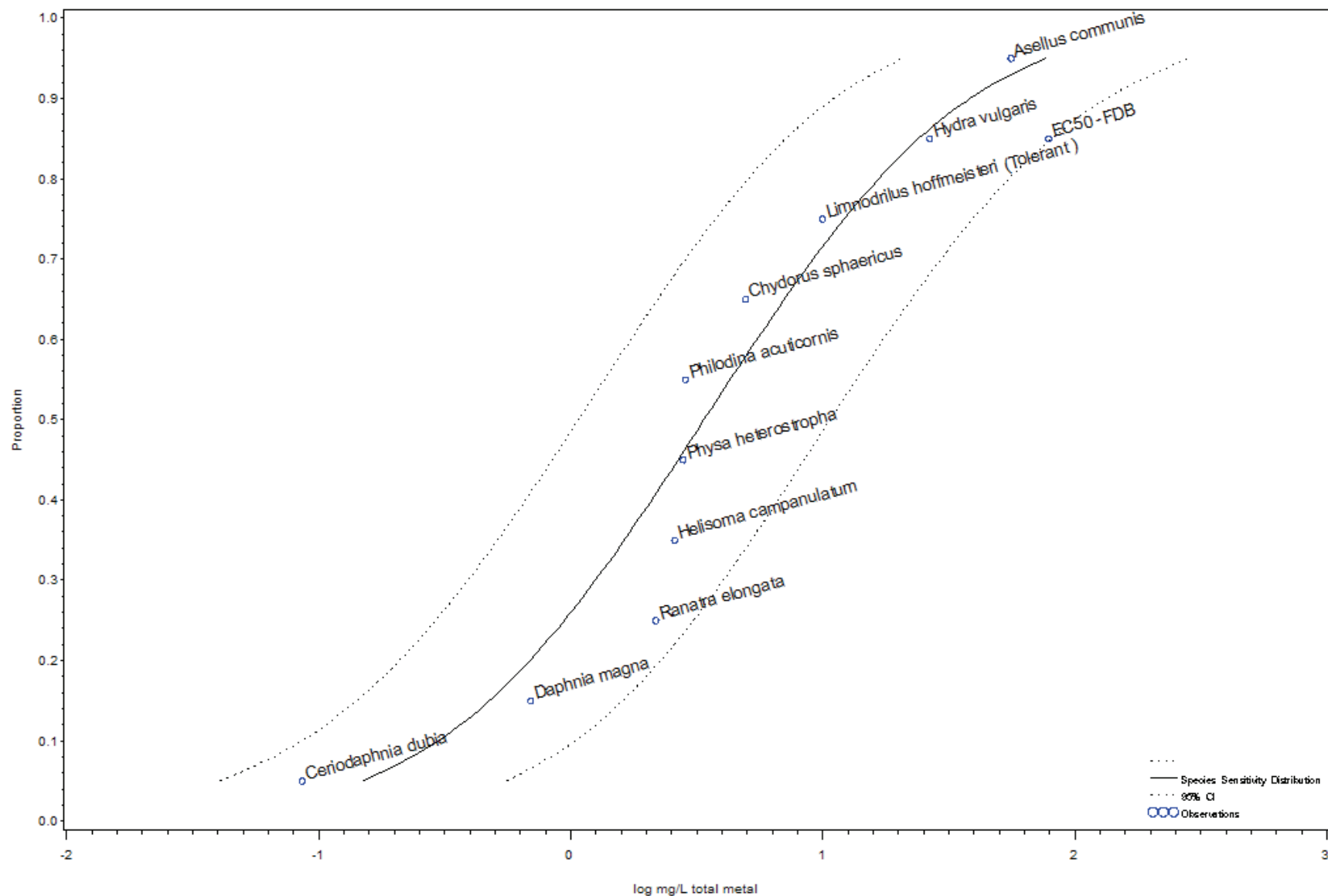
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.2549	0.5860	0.1109	-0.59366	-0.23209	-0.95523	1.86421
0.10	3.71845	0.4377	0.9617	0.1993	-0.35878	-0.01696	-0.70059	1.74173
0.20	4.15838	0.8427	1.7747	0.4001	-0.07435	0.24912	-0.39781	1.63119
0.25	4.32551	1.0807	2.2491	0.5193	0.03371	0.35201	-0.28459	1.60064
0.30	4.47560	1.3513	2.7883	0.6549	0.13075	0.44533	-0.18384	1.57878
0.50	5.00000	2.9498	6.0064	1.4487	0.46979	0.77861	0.16097	1.54509
0.75	5.67449	8.0514	16.7561	3.8687	0.90587	1.22417	0.58757	1.60064
0.90	6.28155	19.8773	43.6687	9.0478	1.29836	1.64017	0.95654	1.74173
0.95	6.64485	34.1385	78.4897	14.8483	1.53324	1.89481	1.17168	1.86421

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.9375	6.53412	Asellus communis	38.5000	1.58546	.	.
0.3125	4.51122	Helisoma campanulatum	1.2700	0.10380	.	.
0.0625	3.46588	Hyalella azteca (Tolerant)	0.4360	-0.36051	.	.
0.6875	5.48878	Hydra vulgaris	6.6300	0.82151	.	.
0.8125	5.88715	Limnodrilus hoffmeisteri (Tolerant)	9.5944	0.98202	0.04405	0.04486
0.1875	4.11285	Philodina acuticornis	1.1000	0.04139	.	.
0.5625	5.15731	Physa heterostropha	2.3178	0.36507	0.19038	0.52149
0.4375	4.84269	Ranatra elongata	1.6580	0.21958	.	.

Zinc SSD for Invertebrates - in moderately hard water at T>15C over moderate (1-3 days) exposure



Species Sensitivity Distribution (SSD 173) data for Invertebrate species exposed to zinc in moderately hard water at T>15C over moderate (1-3 days) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
10	1.21577	4.35522	0.94276	0.53034	5.61145	8	0.062947

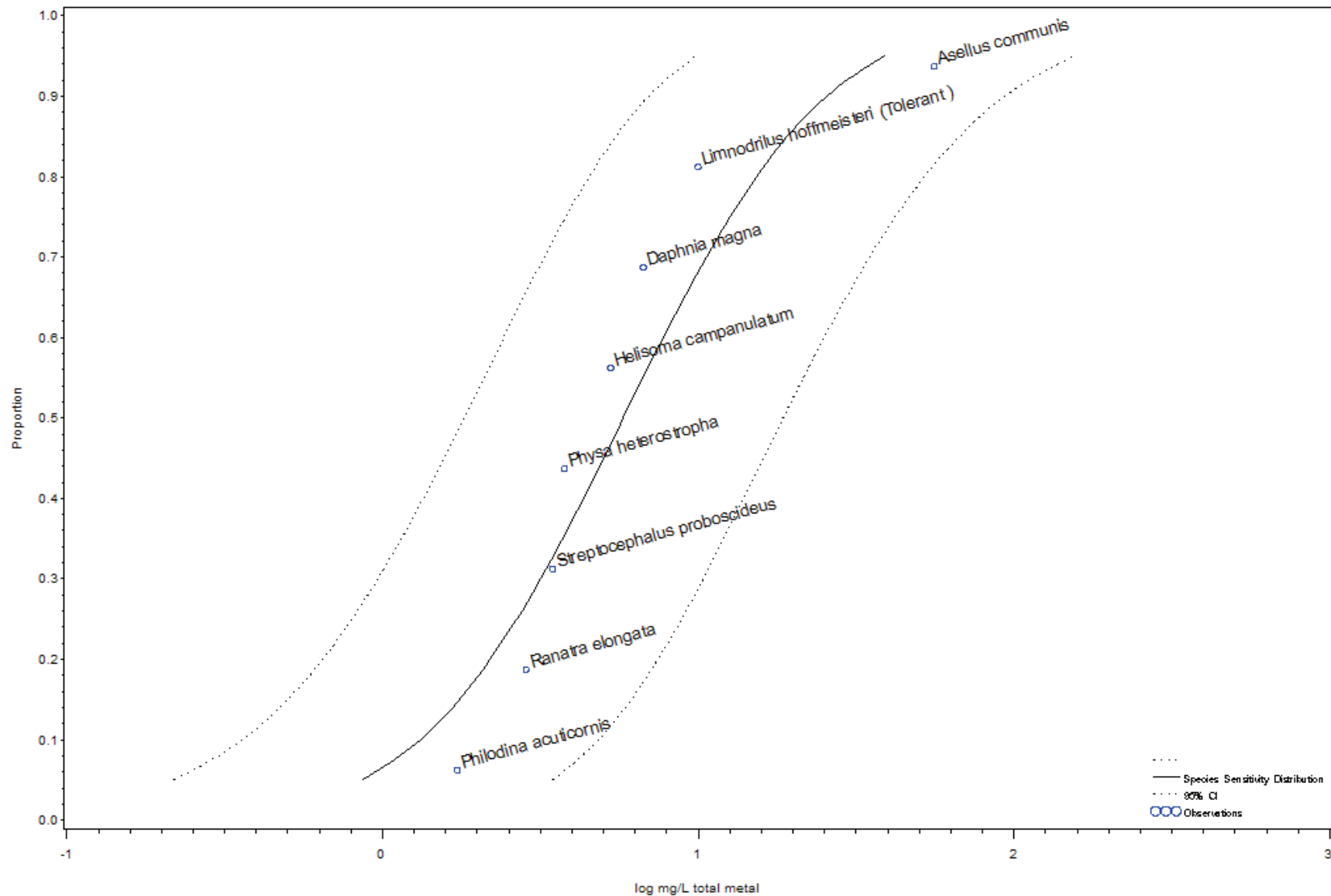
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.1505	0.432	0.0524	-0.82259	-0.36431	-1.28087	2.52452
0.10	3.71845	0.2994	0.819	0.1094	-0.52376	-0.08656	-0.96096	2.37111
0.20	4.15838	0.6888	1.803	0.2632	-0.16191	0.25590	-0.57972	2.23490
0.25	4.32551	0.9453	2.443	0.3657	-0.02444	0.38795	-0.43683	2.19765
0.30	4.47560	1.2561	3.217	0.4904	0.09901	0.50751	-0.30948	2.17111
0.50	5.00000	3.3911	8.567	1.3424	0.53034	0.93282	0.12787	2.13039
0.75	5.67449	12.1654	31.442	4.7069	1.08513	1.49751	0.67274	2.19765
0.90	6.28155	38.4103	105.111	14.0361	1.58445	2.02165	1.14725	2.37111
0.95	6.64485	76.4314	219.559	26.6067	1.88327	2.34155	1.42499	2.52452

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.95	6.64485	Asellus communis	56.0000	1.74819	0.00000	0.00000
0.05	3.35515	Ceriodaphnia dubia	0.0862	-1.06462	0.12725	0.11953
0.65	5.38532	Chydorus sphaericus	4.9600	0.69548	.	.
0.15	3.96357	Daphnia magna	0.6960	-0.15739	0.25837	1.64160
0.35	4.61468	Helisoma campanulatum	2.5920	0.41363	0.43816	1.05931
0.85	6.03643	Hydra vulgaris	26.6300	1.42537	.	.
0.85	.	-->EC50 -FDB	.	1.89762	.	.
0.75	5.67449	Limnodrilus hoffmeisteri (Tolerant)	10.0000	1.00000	0.00000	0.00000
0.55	5.12566	Philodina acuticornis	2.8544	0.45552	0.21420	0.47024
0.45	4.87434	Physa heterostropha	2.8047	0.44789	0.11436	0.25533
0.25	4.32551	Ranatra elongata	2.1845	0.33935	0.07195	0.21203

Zinc SSD for Invertebrates - in moderately hard water at T>15C over short (<=1 day) exposure



Species Sensitivity Distribution (SSD 174) data for Invertebrate species exposed to zinc in moderately hard water at T>15C over short (<=1 day) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
8	1.99223	3.47909	0.86759	0.76342	1.48827	6	0.15025

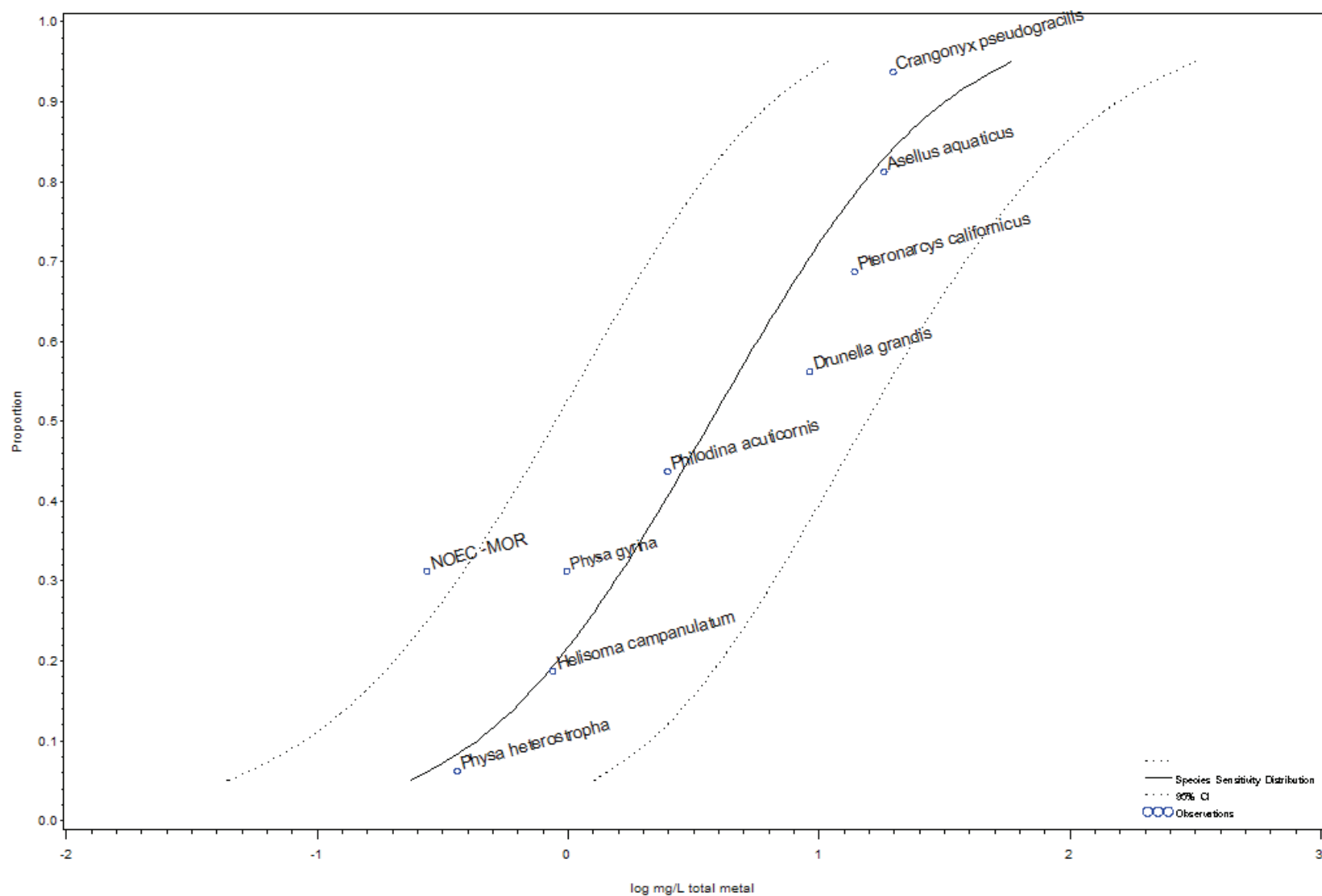
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.8665	2.591	0.2898	-0.06222	0.41347	-0.53790	2.65568
0.10	3.71845	1.3187	3.698	0.4702	0.12014	0.56797	-0.32769	2.44774
0.20	4.15838	2.1926	5.792	0.8301	0.34097	0.76281	-0.08087	2.26285
0.25	4.32551	2.6599	6.908	1.0241	0.42486	0.83937	0.01035	2.21219
0.30	4.47560	3.1637	8.117	1.2330	0.50020	0.90942	0.09097	2.17605
0.50	5.00000	5.7999	14.603	2.3036	0.76342	1.16443	0.36241	2.12055
0.75	5.67449	12.6467	32.846	4.8693	1.10198	1.51649	0.68747	2.21219
0.90	6.28155	25.5090	71.536	9.0963	1.40669	1.85452	0.95886	2.44774
0.95	6.64485	38.8197	116.075	12.9827	1.58905	2.06474	1.11336	2.65568

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.9375	6.53412	Asellus communis	56.0000	1.74819	.	.
0.6875	5.48878	Daphnia magna	6.7130	0.82692	.	.
0.5625	5.15731	Helisoma campanulatum	5.2900	0.72346	.	.
0.8125	5.88715	Limnodrilus hoffmeisteri (Tolerant)	10.0000	1.00000	.	.
0.0625	3.46588	Philodina acuticornis	1.7261	0.23706	0.28882	1.21832
0.4375	4.84269	Physa heterostropha	3.7743	0.57683	0.04633	0.08033
0.1875	4.11285	Ranatra elongata	2.8530	0.45530	.	.
0.3125	4.51122	Streptocephalus proboscideus	3.4641	0.53959	0.08835	0.16373

Zinc SSD for Invertebrates - in soft water at T<=15C over long (3-30 days) exposure



Species Sensitivity Distribution (SSD 175) data for Invertebrate species exposed to zinc in soft water at T<=15C over long (3-30 days) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
8	1.37390	4.21746	0.90529	0.56957	3.26529	6	0.10747

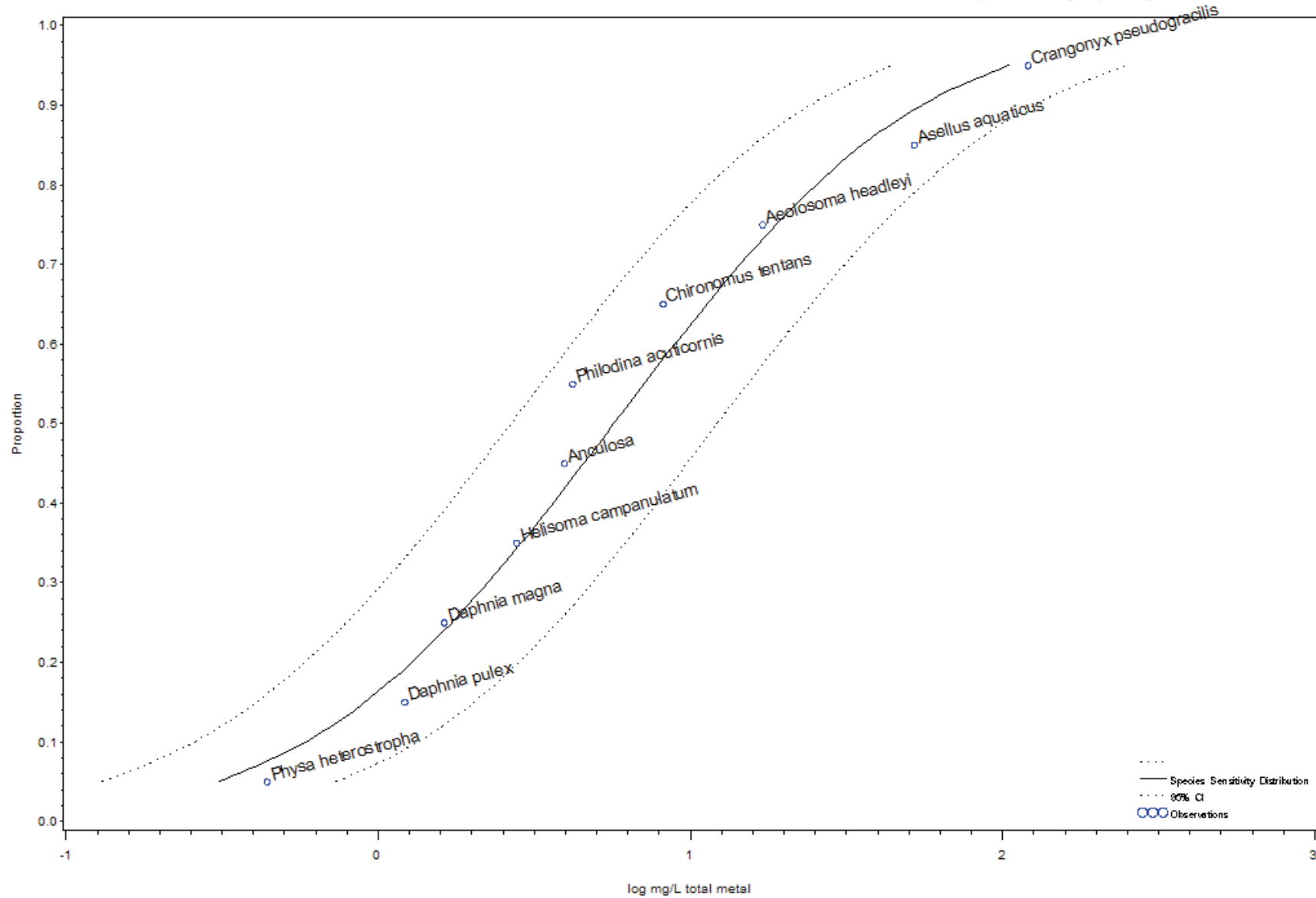
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.2357	0.896	0.0620	-0.62764	-0.04779	-1.20749	3.53745
0.10	3.71845	0.4333	1.527	0.1230	-0.36321	0.18373	-0.91015	3.23938
0.20	4.15838	0.9057	2.974	0.2759	-0.04301	0.47329	-0.55930	2.97862
0.25	4.32551	1.1985	3.858	0.3724	0.07864	0.58631	-0.42902	2.90790
0.30	4.47560	1.5413	4.890	0.4858	0.18789	0.68933	-0.31356	2.85765
0.50	5.00000	3.7117	11.518	1.1961	0.56957	1.06136	0.07778	2.78079
0.75	5.67449	11.4948	36.997	3.5714	1.06050	1.56817	0.55284	2.90790
0.90	6.28155	31.7947	112.019	9.0243	1.50235	2.04929	0.95542	3.23938
0.95	6.64485	58.4501	222.144	15.3793	1.76679	2.34663	1.18694	3.53745

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.8125	5.88715	Asellus aquaticus	18.2000	1.26007	.	.
0.9375	6.53412	Crangonyx pseudogracilis	19.8000	1.29667	.	.
0.5625	5.15731	Drunella grandis	9.2000	0.96379	.	.
0.1875	4.11285	Helisoma campanulatum	0.8700	-0.06048	.	.
0.4375	4.84269	Philodina acuticornis	2.5000	0.39794	.	.
0.3125	4.51122	Physa gyrina	0.9911	-0.00389	0.15423	39.6674
0.3125	.	-->NOEC -MOR	.	-0.56212	.	.
0.0625	3.46588	Physa heterostropha	0.3626	-0.44053	0.11034	0.2505
0.6875	5.48878	Pteronarcys californicus	13.9000	1.14301	.	.

Zinc SSD for Invertebrates - in soft water at T<=15C over moderate (1-3 days) exposure



Species Sensitivity Distribution (SSD 176) data for Invertebrate species exposed to zinc in soft water at T<=15C over moderate (1-3 days) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
10	1.29951	4.01847	0.97134	0.75531	5.06048	8	0.031514

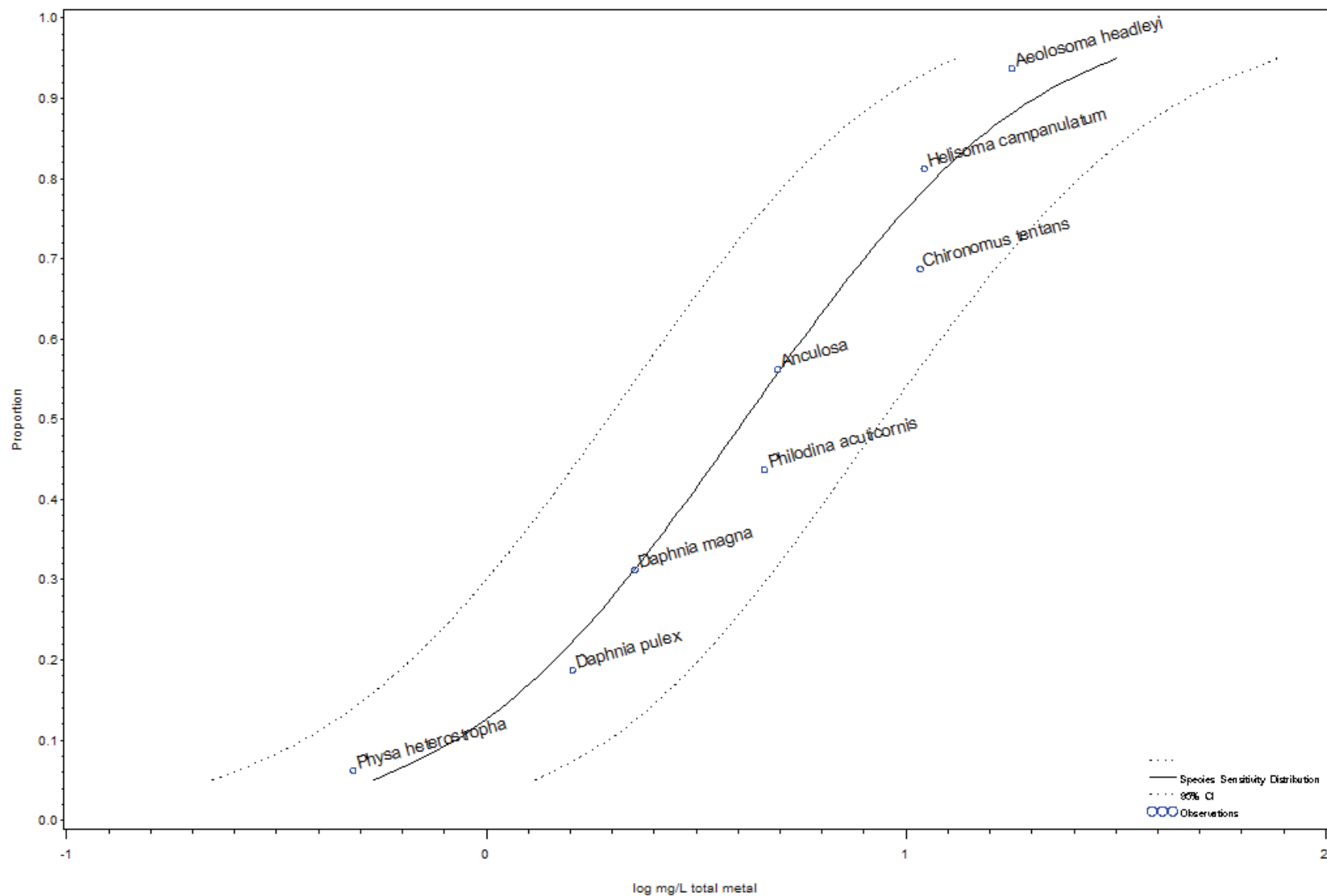
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.309	0.619	0.1539	-0.51044	-0.20810	-0.81279	1.50757
0.10	3.71845	0.588	1.143	0.3022	-0.23087	0.05789	-0.51964	1.42997
0.20	4.15838	1.281	2.421	0.6782	0.10766	0.38394	-0.16862	1.35989
0.25	4.32551	1.723	3.229	0.9193	0.23627	0.50907	-0.03652	1.34052
0.30	4.47560	2.248	4.189	1.2064	0.35177	0.62206	0.08148	1.32668
0.50	5.00000	5.693	10.513	3.0823	0.75531	1.02173	0.48888	1.30535
0.75	5.67449	18.808	35.248	10.0356	1.27434	1.54714	1.00155	1.34052
0.90	6.28155	55.143	107.213	28.3612	1.74149	2.03025	1.45273	1.42997
0.95	6.64485	104.968	210.571	52.3254	2.02106	2.32340	1.71871	1.50757

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.75	5.67449	Aeolosoma headleyi	17.065	1.23211	0.03430	0.02784
0.45	4.87434	Anculosa	3.954	0.59705	0.13014	0.21797
0.85	6.03643	Asellus aquaticus	52.300	1.71850	.	.
0.65	5.38532	Chironomus tentans	8.200	0.91381	.	.
0.95	6.64485	Crangonyx pseudogracilis	121.000	2.08279	.	.
0.25	4.32551	Daphnia magna	1.626	0.21119	0.16103	0.76251
0.15	3.96357	Daphnia pulex	1.218	0.08548	0.11562	1.35271
0.35	4.61468	Helisoma campanulatum	2.783	0.44457	0.65379	1.47061
0.55	5.12566	Philodina acuticornis	4.200	0.62325	.	.
0.05	3.35515	Physa heterostropha	0.441	-0.35568	0.11687	0.32857

Zinc SSD for Invertebrates - in soft water at T<=15C over short (<=1 day) exposure

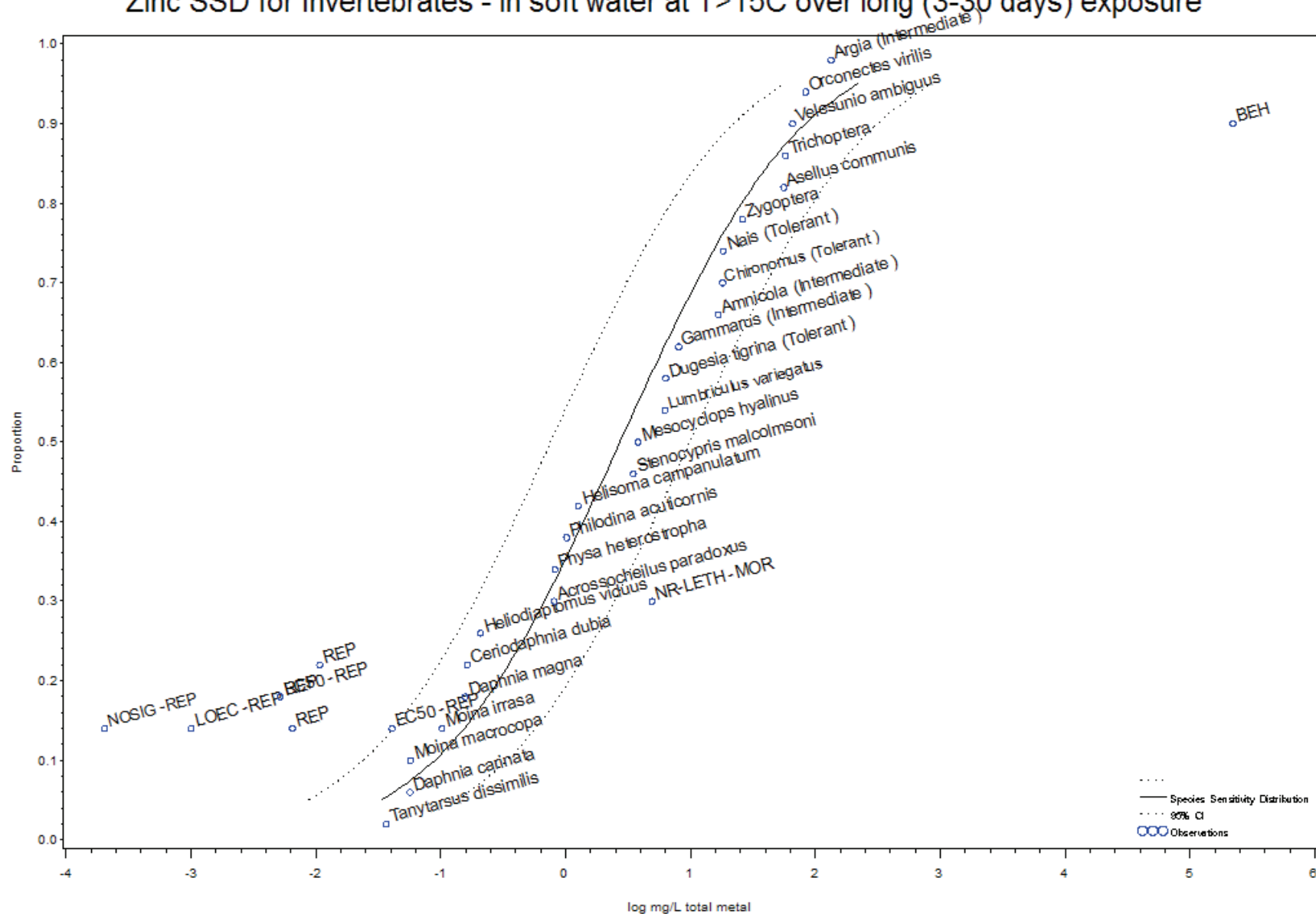


Species Sensitivity Distribution (SSD 177) data for Invertebrate species exposed to zinc in soft water at T<=15C over short (<=1 day) exposure

Model Parameters								
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE	
8	1.85699	3.85478	0.95153	0.61671	1.87866	6	0.055004	
Predicted Values								
Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.5382	1.0858	0.2668	-0.26905	0.03576	-0.57387	1.52183
0.10	3.71845	0.8445	1.6396	0.4350	-0.07341	0.21473	-0.36156	1.42647
0.20	4.15838	1.4571	2.7299	0.7777	0.16349	0.43615	-0.10917	1.33977
0.25	4.32551	1.7926	3.3250	0.9665	0.25349	0.52180	-0.01481	1.31570
0.30	4.47560	2.1593	3.9764	1.1726	0.33432	0.59949	0.06915	1.29845
0.50	5.00000	4.1372	7.5338	2.2720	0.61671	0.87701	0.35641	1.27181
0.75	5.67449	9.5483	17.7106	5.1478	0.97993	1.24823	0.71162	1.31570
0.90	6.28155	20.2691	39.3531	10.4398	1.30684	1.59498	1.01869	1.42647
0.95	6.64485	31.8036	64.1636	15.7639	1.50248	1.80729	1.19766	1.52183

Data Summary							
Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV	
0.9375	6.53412	Aelosoma headleyi	17.9037	1.25294	0.04483	0.03578	
0.5625	5.15731	Anculosa	4.9530	0.69487	0.09976	0.14356	
0.6875	5.48878	Chironomus tentans	10.8300	1.03463	.	.	
0.3125	4.51122	Daphnia magna	2.2632	0.35472	0.09613	0.27102	
0.1875	4.11285	Daphnia pulex	1.6080	0.20629	0.14668	0.71102	
0.8125	5.88715	Helisoma campanulatum	11.0700	1.04415	.	.	
0.4375	4.84269	Philodina acuticornis	4.6000	0.66276	.	.	
0.0625	3.46588	Physa heterostropha	0.4823	-0.31667	0.06482	0.20470	

Zinc SSD for Invertebrates - in soft water at T>15C over long (3-30 days) exposure



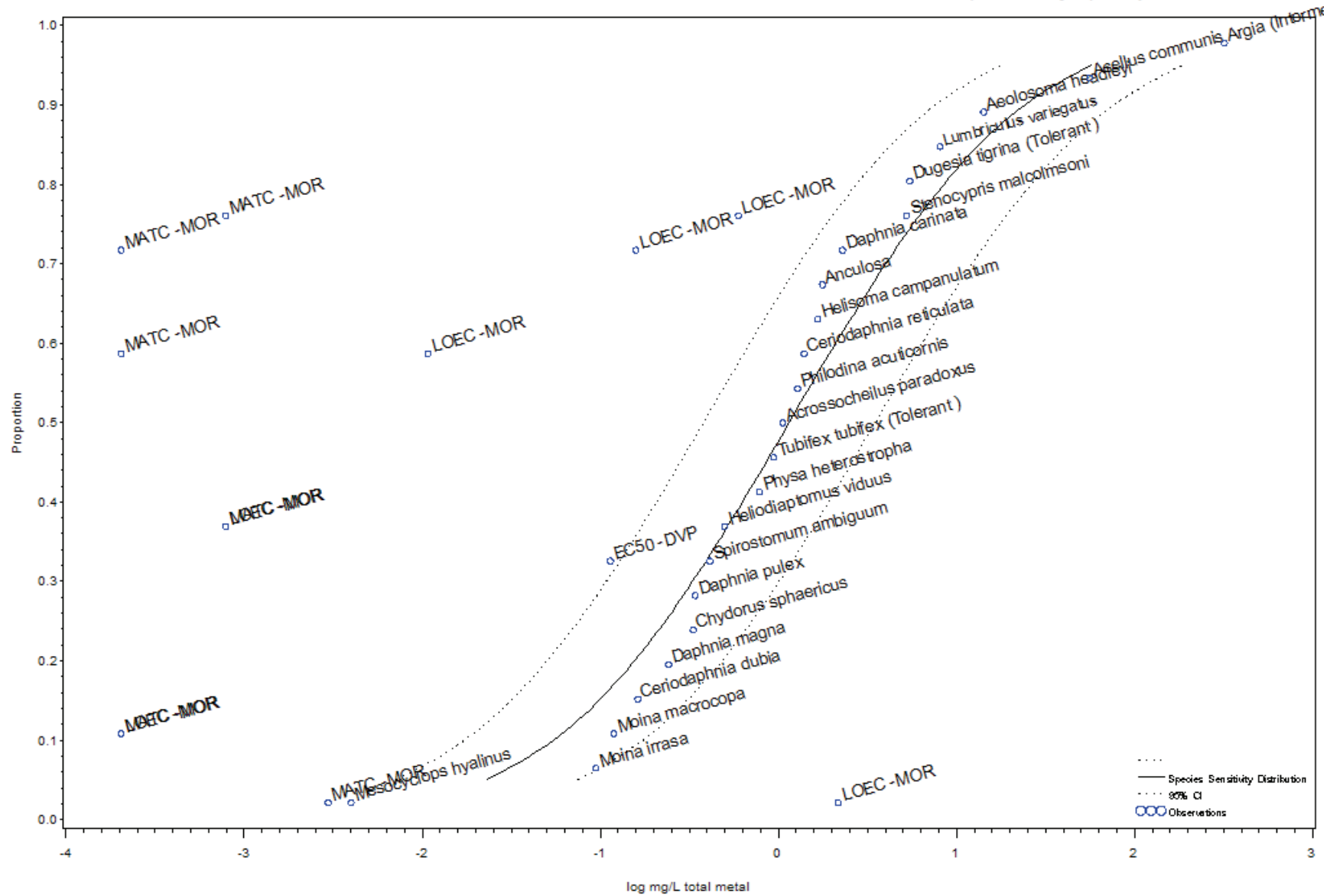
Species Sensitivity Distribution (SSD 178) data for Invertebrate species exposed to zinc in soft water at T>15C over long (3-30 days) exposure

Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
25	0.86420	4.62117	0.94951	0.43835	30.2126	23	0.052169

Predicted Values								
Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.034	0.105	0.0111	-1.46497	-0.97712	-1.95281	2.74978
0.10	3.71845	0.090	0.271	0.0300	-1.04458	-0.56675	-1.52241	2.67213
0.20	4.15838	0.291	0.858	0.0990	-0.53552	-0.06666	-1.00438	2.60374
0.25	4.32551	0.455	1.331	0.1554	-0.34212	0.12427	-0.80852	2.58516
0.30	4.47560	0.678	1.978	0.2328	-0.16845	0.29619	-0.63309	2.57195
0.50	5.00000	2.744	7.949	0.9471	0.43835	0.90029	-0.02359	2.55176
0.75	5.67449	16.551	48.442	5.6550	1.21883	1.68523	0.75243	2.58516
0.90	6.28155	83.422	250.677	27.7619	1.92128	2.39911	1.44345	2.67213
0.95	6.64485	219.620	675.329	71.4213	2.34167	2.82952	1.85383	2.74978

Data Summary							
Proportion			Geometric		Standard		
Species	PROBIT	taxa	Mean	LogMean	Deviation		CV
0.30	4.47560	Acrossocheilus paradoxus	0.813	-0.08975	.	.	.
0.30	.	-->NR-LETH -MOR	.	0.69315	.	.	.
0.66	5.41246	Amnicola (Intermediate)	16.817	1.22574	0.11259		0.0919
0.98	7.05375	Argia (Intermediate)	134.164	2.12764	0.18050		0.0848
0.82	5.91537	Asellus communis	56.000	1.74819	.	.	.
0.22	4.22781	Ceriodaphnia dubia	0.164	-0.78557	0.04104		0.0522
0.22	.	-->REP	.	-1.96611	.	.	.
0.70	5.52440	Chironomus (Tolerant)	18.200	1.26007	.	.	.
0.06	3.44523	Daphnia carinata	0.057	-1.24413	.	.	.
0.18	4.08463	Daphnia magna	0.158	-0.80134	.	.	.
0.18	.	-->EC50 -REP	.	-2.28278	.	.	.
0.18	.	-->REP	.	-2.28383	0.45235		.
0.58	5.20189	Dugesia tigrina (Tolerant)	6.368	0.80401	0.09224		0.1147
0.62	5.30548	Gammarus (Intermediate)	8.100	0.90849	.	.	.
0.26	4.35665	Heliodyptomus viduus	0.210	-0.67778	.	.	.
0.42	4.79811	Helisoma campanulatum	1.270	0.10380	.	.	.
0.54	5.10043	Lumbriculus variegatus	6.300	0.79934	.	.	.
0.50	5.00000	Mesocyclops hyalinus	3.800	0.57978	.	.	.
0.14	3.91968	Moina irrasa	0.103	-0.98771	.	.	.
0.14	.	-->EC50 -REP	.	-1.38709	.	.	.
0.14	.	-->LOEC -REP	.	-2.99573	.	.	.
0.14	.	-->NOSIG -REP	.	-3.68888	.	.	.
0.14	.	-->REP	.	-2.18480	.	.	.
0.10	3.71845	Moina macrocopa	0.058	-1.24033	.	.	.
0.74	5.64335	Nais (Tolerant)	18.400	1.26482	.	.	.
0.94	6.55477	Orconectes virilis	84.000	1.92428	.	.	.
0.38	4.69452	Philodina acuticornis	1.024	0.01011	0.41695		41.2549
0.34	4.58754	Physa heterostropha	0.826	-0.08279	0.17707		2.1389
0.46	4.89957	Stenocypris malcolmsoni	3.500	0.54407	.	.	.
0.02	2.94625	Tanytarsus dissimilis	0.037	-1.43415	.	.	.
0.86	6.08032	Trichoptera	58.100	1.76418	.	.	.
0.90	6.28155	Velesunio ambiguus	66.000	1.81954	.	.	.
0.90	.	-->BEH	.	5.34711	.	.	.
0.78	5.77219	Zygoptera	26.200	1.41830	.	.	.

Zinc SSD for Invertebrates - in soft water at T>15C over moderate (1-3 days) exposure



Species Sensitivity Distribution (SSD 179) data for Invertebrate species exposed to zinc in soft water at T>15C over moderate (1-3 days) exposure

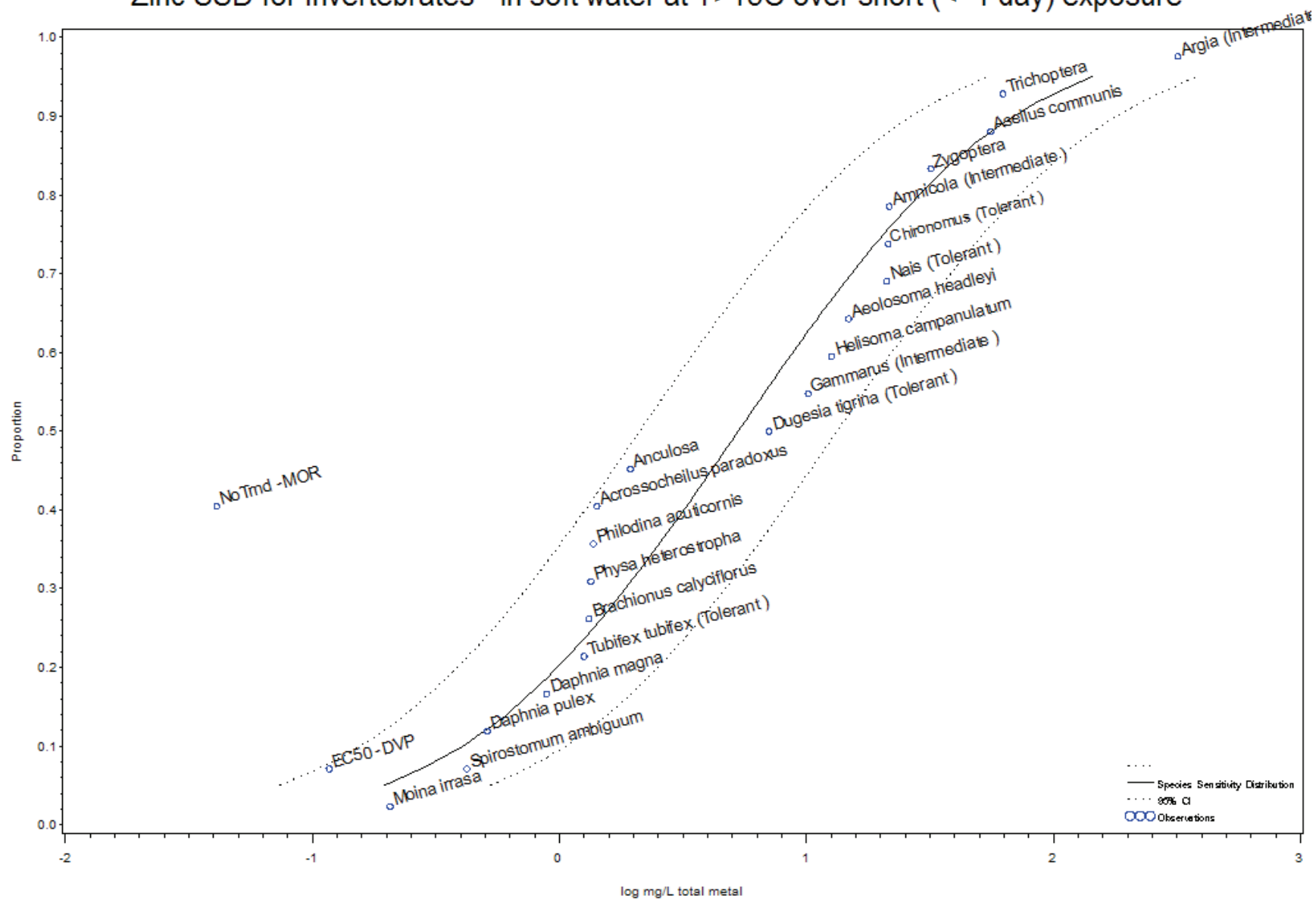
Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
23	0.96945	4.94142	0.95333	0.060422	22.0792	21	0.048375

Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log		Relative CIBreadth
					Central Tendency	log UpperCI	
0.05	3.35515	0.0231	0.061	0.0087	-1.63626	-1.21329	2.27073
0.10	3.71845	0.0548	0.142	0.0211	-1.26151	-0.84788	2.20622
0.20	4.15838	0.1557	0.396	0.0612	-0.80772	-0.40246	2.14918
0.25	4.32551	0.2316	0.586	0.0916	-0.63532	-0.23236	2.13365
0.30	4.47560	0.3307	0.833	0.1313	-0.48050	-0.07919	2.12260
0.50	5.00000	1.1493	2.879	0.4588	0.06042	0.45921	2.10568
0.75	5.67449	5.7038	14.425	2.2553	0.75617	1.15912	2.13365
0.90	6.28155	24.1189	62.517	9.3051	1.38236	1.79600	2.20622
0.95	6.64485	57.1622	151.384	21.5843	1.75711	2.18008	2.27073

Data Summary							
Proportion			Geometric		Standard		
Species	PROBIT	taxa	Mean	LogMean	Deviation		CV
0.50000	5.00000	Acrossocheilus paradoxus	1.066	0.02792	.	.	.
0.89130	6.23349	Aeolosoma headleyi	14.230	1.15321	0.03236	0.0281	0.0281
0.67391	5.45074	Anculosa	1.771	0.24812	0.04332	0.1746	0.1746
0.97826	7.01909	Argia (Intermediate)	320.000	2.50515	0.00000	0.0000	0.0000
0.93478	6.51239	Asellus communis	56.000	1.74819	0.00000	0.0000	0.0000
0.15217	3.97285	Ceriodaphnia dubia	0.163	-0.78781	.	.	.
0.58696	5.21972	Ceriodaphnia reticulata	1.400	0.14613	.	.	.
0.58696	.	-->LOEC -MOR	.	-1.96611	.	.	.
0.58696	.	-->MATC -MOR	.	-3.68888	.	.	.
0.23913	4.29090	Chydorus sphaericus	0.334	-0.47671	0.16994	0.3565	0.3565
0.71739	5.57511	Daphnia carinata	2.300	0.36173	.	.	.
0.71739	.	-->LOEC -MOR	.	-0.79851	.	.	.
0.71739	.	-->MATC -MOR	.	-3.68888	.	.	.
0.19565	4.14275	Daphnia magna	0.243	-0.61474	0.25152	0.4092	0.4092
0.28261	4.42489	Daphnia pulex	0.343	-0.46478	0.13040	0.2806	0.2806
0.80435	5.85725	Dugesia tigrina (Tolerant)	5.480	0.73878	.	.	.
0.36957	4.66699	Heliodyptomus viduus	0.500	-0.30103	.	.	.
0.36957	.	-->LOEC -MOR	.	-3.10109	.	.	.
0.36957	.	-->MATC -MOR	.	-3.10109	.	.	.
0.63043	5.33301	Helisoma campanulatum	1.668	0.22221	0.07347	0.3306	0.3306
0.84783	6.02715	Lumbriculus variegatus	8.100	0.90849	.	.	.
0.02174	2.98091	Mesocyclops hyalinus	0.004	-2.39794	.	.	.
0.02174	.	-->LOEC -MOR	.	0.33647	.	.	.
0.02174	.	-->MATC -MOR	.	-2.52573	.	.	.
0.06522	3.48761	Moina irrasa	0.095	-1.02325	0.28700	0.2805	0.2805
0.10870	3.76651	Moina macrocopa	0.120	-0.92082	.	.	.
0.10870	.	-->LOEC -MOR	.	-3.68888	.	.	.
0.10870	.	-->MATC -MOR	.	-3.68888	.	.	.
0.54348	5.10920	Philodina acuticornis	1.285	0.10897	0.46095	4.2300	4.2300
0.41304	4.78028	Physa heterostropha	0.786	-0.10444	0.25310	2.4234	2.4234
0.32609	4.54926	Spirostomum ambiguum	0.414	-0.38300	.	.	.
0.32609	.	-->EC50 -DVP	.	-0.94161	.	.	.
0.76087	5.70910	Stenocypris malcolmsoni	5.250	0.72016	.	.	.
0.76087	.	-->LOEC -MOR	.	-0.22314	.	.	.
0.76087	.	-->MATC -MOR	.	-3.10109	.	.	.
0.45652	4.89080	Tubifex tubifex (Tolerant)	0.944	-0.02482	0.80932	32.6086	32.6086

Zinc SSD for Invertebrates - in soft water at T>15C over short (<=1 day) exposure



Species Sensitivity Distribution (SSD 180) data for Invertebrate species exposed to zinc in soft water at T>15C over short (<=1 day) exposure

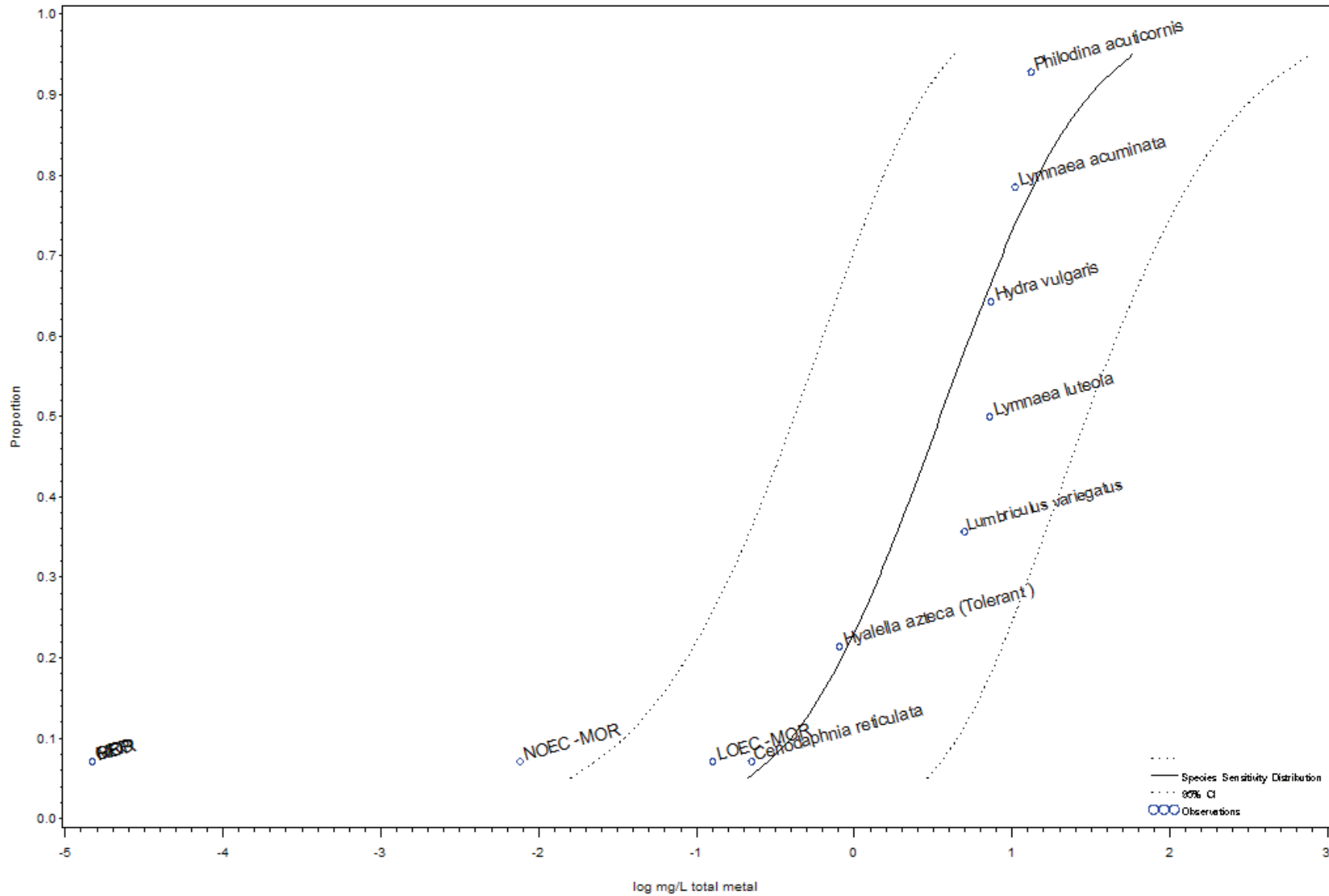
Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
21	1.14897	4.16743	0.95594	0.72462	14.3157	19	0.045842

Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log			Relative CIBreadth
					Central Tendency	log UpperCI	log LowerCI	
0.05	3.35515	0.196	0.441	0.0874	-0.70697	-0.35535	-1.05858	1.80203
0.10	3.71845	0.407	0.896	0.1845	-0.39077	-0.04756	-0.73398	1.75026
0.20	4.15838	0.982	2.127	0.4534	-0.00788	0.32777	-0.34353	1.70426
0.25	4.32551	1.373	2.959	0.6368	0.13758	0.47115	-0.19598	1.69170
0.30	4.47560	1.854	3.984	0.8632	0.26821	0.60030	-0.06387	1.68275
0.50	5.00000	5.304	11.335	2.4821	0.72462	1.05442	0.39482	1.66903
0.75	5.67449	20.496	44.181	9.5081	1.31166	1.64523	0.97809	1.69170
0.90	6.28155	69.186	152.484	31.3912	1.84002	2.18322	1.49681	1.75026
0.95	6.64485	143.290	321.980	63.7677	2.15621	2.50783	1.80460	1.80203

Data Summary							
Proportion			Geometric		Standard		
Species	PROBIT	taxa	Mean	LogMean	Deviation		CV
0.40476	4.75896	Acrossocheilus paradoxus	1.423	0.15317	.	.	
0.40476	.	-->NoTrend -MOR	.	-1.38629	.	.	
0.64286	5.36611	Aeolosoma headleyi	14.884	1.17271	0.02888	0.02462	
0.78571	5.79164	Amnicola (Intermediate)	21.727	1.33701	0.15797	0.11815	
0.45238	4.88035	Anculosa	1.944	0.28875	0.04734	0.16395	
0.97619	6.98075	Argia (Intermediate)	320.000	2.50515	.	.	
0.88095	6.17976	Asellus communis	56.000	1.74819	.	.	
0.26190	4.36252	Brachionus calyciflorus	1.320	0.12057	.	.	
0.73810	5.63748	Chironomus (Tolerant)	21.500	1.33244	.	.	
0.16667	4.03258	Daphnia magna	0.889	-0.05119	0.07239	1.41421	
0.11905	3.82024	Daphnia pulex	0.512	-0.29088	0.13249	0.45550	
0.50000	5.00000	Dugesia tigrina (Tolerant)	7.100	0.85126	.	.	
0.54762	5.11965	Gammarus (Intermediate)	10.200	1.00860	.	.	
0.59524	5.24104	Helisoma campanulatum	12.660	1.10243	.	.	
0.02381	3.01925	Moina irrasa	0.207	-0.68432	0.24731	0.36140	
0.69048	5.49720	Nais (Tolerant)	21.200	1.32634	.	.	
0.35714	4.63389	Philodina acuticornis	1.376	0.13861	0.49638	3.58123	
0.30952	4.50280	Physa heterostropha	1.344	0.12855	0.43052	3.34909	
0.07143	3.53477	Spirostomum ambiguum	0.423	-0.37366	.	.	
0.07143	.	-->EC50 -DVP	.	-0.93140	.	.	
0.92857	6.46523	Trichoptera	62.600	1.79657	.	.	
0.21429	4.20836	Tubifex tubifex (Tolerant)	1.264	0.10164	0.88699	8.72664	
0.21429	.	-->PHY	.	-2.39690	.	.	
0.83333	5.96742	Zygoptera	32.000	1.50515	.	.	

Zinc SSD for Invertebrates - in very hard water at T>15C over long (3-30 days) exposure



Species Sensitivity Distribution (SSD 181) data for Invertebrate species exposed to zinc in very hard water at T>15C over long (3-30 days) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
7	1.35055	4.26213	0.82217	0.54635	2.62125	5	0.20683

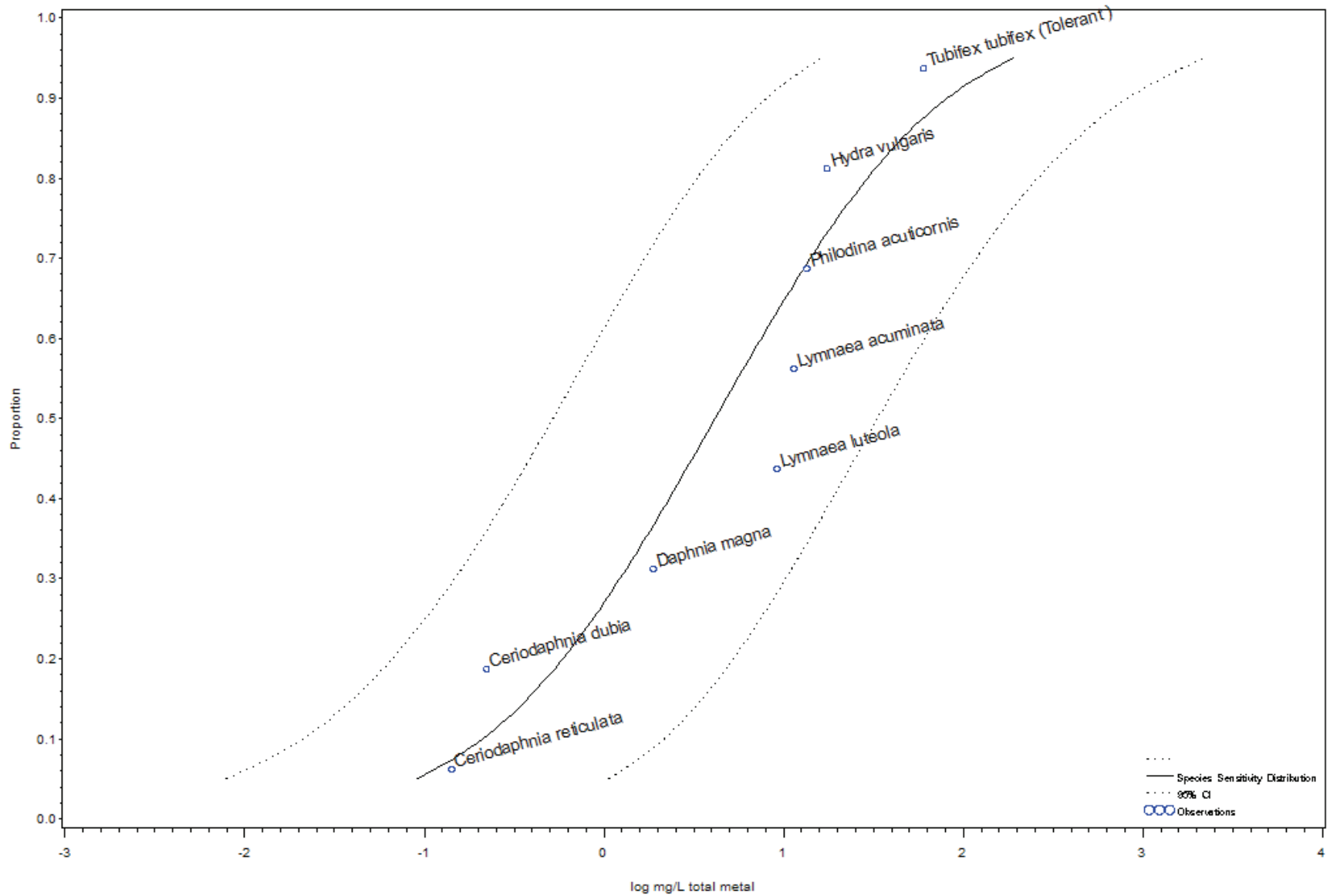
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	0.2130	1.642	0.02763	-0.67156	0.21541	-1.55854	7.57891
0.10	3.71845	0.3958	2.659	0.05891	-0.40256	0.42469	-1.22981	6.56935
0.20	4.15838	0.8379	4.945	0.14197	-0.07682	0.69415	-0.84779	5.73221
0.25	4.32551	1.1141	6.337	0.19586	0.04693	0.80191	-0.70805	5.51251
0.30	4.47560	1.4390	7.970	0.25980	0.15806	0.90148	-0.58536	5.35829
0.50	5.00000	3.5184	18.695	0.66215	0.54635	1.27174	-0.17904	5.12541
0.75	5.67449	11.1113	63.204	1.95335	1.04576	1.80075	0.29078	5.51251
0.90	6.28155	31.2791	210.139	4.65588	1.49525	2.32251	0.66800	6.56935
0.95	6.64485	58.1108	447.955	7.53840	1.76426	2.65123	0.87728	7.57891

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.07143	3.53477	Ceriodaphnia reticulata	0.2240	-0.64975	.	.
0.07143	.	-->GRO	.	-4.82831	.	.
0.07143	.	-->LOEC -MOR	.	-0.89649	.	.
0.07143	.	-->MOR	.	-4.82831	.	.
0.07143	.	-->NOEC -MOR	.	-2.11611	.	.
0.07143	.	-->REP	.	-4.82831	.	.
0.21429	4.20836	Hyalella azteca (Tolerant)	0.8052	-0.09411	0.38712	4.11349
0.64286	5.36611	Hydra vulgaris	7.4000	0.86923	.	.
0.35714	4.63389	Lumbriculus variegatus	5.0000	0.69897	0.00000	0.00000
0.78571	5.79164	Lymnaea acuminata	10.4900	1.02078	.	.
0.50000	5.00000	Lymnaea luteola	7.2088	0.85786	0.14830	0.17287
0.92857	6.46523	Philodina acuticornis	13.2265	1.12144	0.64193	0.57241

Zinc SSD for Invertebrates - in very hard water at T>15C over moderate (1-3 days) exposure



Species Sensitivity Distribution (SSD 182) data for Invertebrate species exposed to zinc in very hard water at T>15C over moderate (1-3 days) exposure

Model Parameters							
Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
8	0.99217	4.38589	0.89492	0.61896	6.18953	6	0.11924

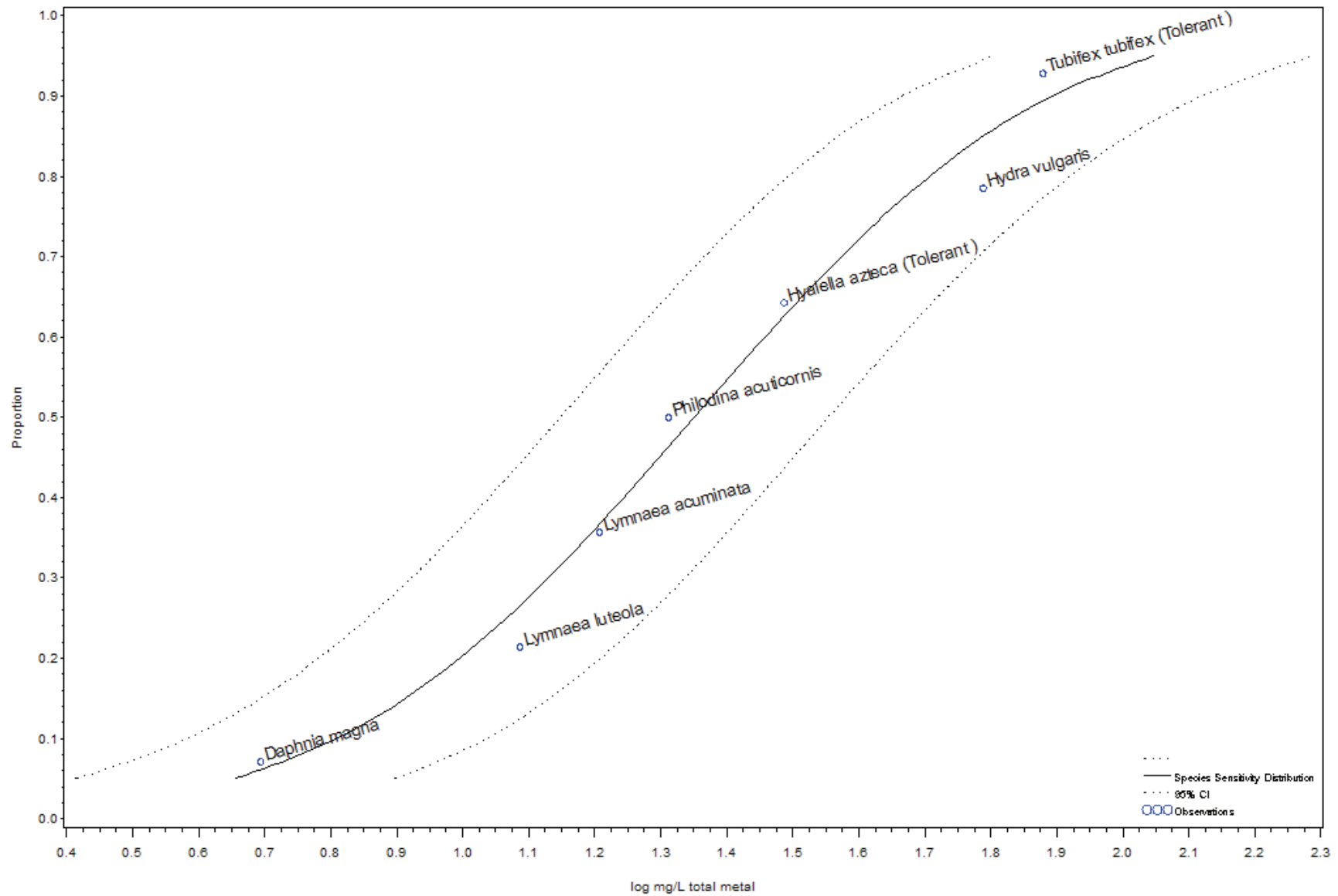
Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log		log LowerCI	Relative CIBreadth
					Central Tendency	UpperCI		
0.05	3.35515	0.091	0.64	0.0130	-1.03888	-0.19174	-1.88602	6.89081
0.10	3.71845	0.212	1.34	0.0338	-0.67271	0.12594	-1.47135	6.13098
0.20	4.15838	0.590	3.34	0.1040	-0.22930	0.52417	-0.98278	5.49216
0.25	4.32551	0.869	4.79	0.1579	-0.06085	0.67989	-0.80160	5.32317
0.30	4.47560	1.231	6.64	0.2285	0.09042	0.82199	-0.64115	5.20423
0.50	5.00000	4.159	21.69	0.7973	0.61896	1.33628	-0.09836	5.02409
0.75	5.67449	19.896	109.53	3.6143	1.29877	2.03952	0.55803	5.32317
0.90	6.28155	81.400	512.01	12.9413	1.91063	2.70927	1.11198	6.13098
0.95	6.64485	189.146	1330.26	26.8940	2.27680	3.12394	1.42966	6.89081

Data Summary

Proportion Species	PROBIT	taxa	Geometric		Standard Deviation	CV
			Mean	LogMean		
0.1875	4.11285	Ceriodaphnia dubia	0.2228	-0.65208	0.34564	0.53005
0.0625	3.46588	Ceriodaphnia reticulata	0.1424	-0.84641	0.23508	0.27774
0.3125	4.51122	Daphnia magna	1.8865	0.27565	0.25982	0.94257
0.8125	5.88715	Hydra vulgaris	17.4410	1.24157	0.20179	0.16253
0.5625	5.15731	Lymnaea acuminata	11.4412	1.05847	0.01583	0.01496
0.4375	4.84269	Lymnaea luteola	9.2168	0.96458	0.13904	0.14415
0.6875	5.48878	Philodina acuticornis	13.4990	1.13030	0.66601	0.58923
0.9375	6.53412	Tubifex tubifex (Tolerant)	60.2000	1.77960	.	.

Zinc SSD for Invertebrates - in very hard water at T>15C over short (<=1 day) exposure



Species Sensitivity Distribution (SSD 183) data for Invertebrate species exposed to zinc in very hard water at T>15C over short (<=1 day) exposure

Model Parameters

Num Species	Slope	Intercept	R_squared	Grand Mean	CorrSSQ	DF	MSE
7	2.36498	1.80476	0.97379	1.35106	1.01247	5	0.030478

Predicted Values

Proportion Species	Probt	Central Tendency	UpperCI	LowerCI	log Central Tendency	log UpperCI	log LowerCI	Relative CIBreadth
0.05	3.35515	4.524	6.997	2.9255	0.65556	0.84492	0.46620	0.89994
0.10	3.71845	6.444	9.710	4.2768	0.80918	0.98723	0.63112	0.84315
0.20	4.15838	9.890	14.544	6.7251	0.99519	1.16269	0.82770	0.79061
0.25	4.32551	11.638	16.997	7.9680	1.06586	1.23038	0.90135	0.77586
0.30	4.47560	13.469	19.574	9.2675	1.12933	1.29169	0.96696	0.76525
0.50	5.00000	22.442	32.365	15.5612	1.35106	1.51008	1.19204	0.74878
0.75	5.67449	43.277	63.208	29.6311	1.63626	1.80077	1.47175	0.77586
0.90	6.28155	78.154	117.762	51.8671	1.89295	2.07101	1.71489	0.84315
0.95	6.64485	111.318	172.159	71.9786	2.04657	2.23593	1.85720	0.89994

Data Summary

Proportion Species	PROBIT	taxa	Geometric Mean	LogMean	Standard Deviation	CV
0.07143	3.53477	Daphnia magna	4.9504	0.69464	0.20432	0.29414
0.64286	5.36611	Hyalella azteca (Tolerant)	30.7012	1.48716	0.88038	0.59199
0.78571	5.79164	Hydra vulgaris	61.5200	1.78902	.	.
0.35714	4.63389	Lymnaea acuminata	16.1300	1.20763	.	.
0.21429	4.20836	Lymnaea luteola	12.2162	1.08694	0.18094	0.16646
0.50000	5.00000	Philodina acuticornis	20.5297	1.31238	0.30357	0.23131
0.92857	6.46523	Tubifex tubifex (Tolerant)	75.8000	1.87967	.	.