Etude de l'accumulation d'EOX dans différents organes de *Anod*

Caractéristiques morphologiques mesurées chez *A. cygnea* (moyenne ± écart type ; n=9).

	Temps d'exposition	**Longueur mm**	**Hauteur mm**	**Epaisseur mm**	**Poids total g**	**Branchies % parties molles**	**%**
Témoins	0	85.6 ± 6.1	51.7 ± 3.7	29.8 ± 2.0	56.7 ± 14.7	14.6 ± 3.7	
Station 1	14	83.3 ± 2.8	49.2 ± 1.4	29.0 ± 3.6	52.5 ± 11.0	14.7 ± 2.7	
Station 1	28	85.1 ± 4.6	51.6 ± 2.9	30.1 ± 2.3	56.7 ± 11.4	16.0 ± 2.1	
Station 1	42	85.1 ± 4.5	48.8 ± 2.3	30.1 ± 2.9	53.1 ± 10.9	13.0 ± 3.8	
Station 1	63	84.9 ± 5.3	50.9 ± 3.5	29.1 ± 2.0	52.5 ± 9.4	14.9 ± 2.0	
Station 1	91	83.9 ± 4.2	49.6 ± 2.0	31.0 ± 2.5	50.0 ± 8.6	15.3 ± 3.1	
Station 2	7	85.1 ± 5.9	50.4 ± 3.1	29.6 ± 1.9	51.3 ± 9.0	15.1 ± 2.4	
Station 2	14	85.9 ± 6.8	51.6 ± 3.9	30.5 ± 2.9	60.4 ± 12.2	15.0 ± 4.2	
Station 2	21	88.7 ± 3.0	51.9 ± 2.3	31.6 ± 2.6	65.2 ± 10.3	13.9 ± 1.8	
Station 2	28	85.2 ± 4.5	49.5 ± 1.9	30.0 ± 1.8	48.7 ± 7.1	14.5 ± 2.0	
Station 2	42	84.2 ± 4.4	50.3 ± 2.7	29.5 ± 2.5	53.8 ± 7.4	14.1 ± 1.9	
Station 2	63	83.4 ± 3.9	49.3 ± 2.0	29.0 ± 2.1	46.7 ± 7.3	14.1 ± 1.8	
Station 2	91	86.8 ± 5.6	50.3 ± 3.4	29.7 ± 2.8	50.3 ± 9.0	16.0 ± 2.2	
Station 3	7	87.4 ± 5.8	49.6 ± 2.4	31.7 ± 3.0	60.9 ± 11.3	14.7 ± 1.9	
Station 3	14	86.2 ± 5.5	50.6 ± 3.0	30.0 ± 2.3	57.4 ± 12.0	14.3 ± 1.6	
Station 3	21	87.6 ± 6.1	51.4 ± 3.3	30.8 ± 2.4	61.8 ± 13.0	12.6 ± 1.7	
Station 3	28	82.8 ± 11.3	50.0 ± 2.1	29.9 ± 1.8	50.1 ± 5.9	13.9 ± 1.7	
Station 3	42	84.7 ± 5.3	50.0 ± 3.2	29.8 ± 3.0	53.0 ± 15.2	13.8 ± 2.7	
Station 3	63	83.5 ± 3.6	49.7 ± 2.8	28.1 ± 2.5	46.7 ± 9.8	15.9 ± 2.7	
Station 3	91	85.5 ± 4.1	50.1 ± 2.5	29.7 ± 1.6	51.2 ± 6.8	15.6 ± 1.8	

Paramètres physiologiques et concentrations en EOX (moyenne ± écart type ; n=3) mesurées dans les branchies de

	Temps d'exposition	**Poids sec % du poids frais**	**Lipides % du poids frais**	**Lipides % du poids sec**	**[EOX] µg Cl.g^{-1} poids frais**
Témoins	0	19.8 ± 2.6	0.6 ± 0.1	3.2 ± 0.4	1.5 ± 0.3
Station 1	14	17.4 ± 2.1	0.7 ± 0.0	4.1 ± 0.7	2.0 ± 0.2
Station 1	28	16.1 ± 1.7	0.7 ± 0.1	4.4 ± 1.0	1.7 ± 0.2
Station 1	42	19.0 ± 4.0	0.8 ± 0.1	4.2 ± 0.8	2.3 ± 0.4
Station 1	63	15.6 ± 8.2	0.8 ± 0.0	5.6 ± 2.7	2.2 ± 0.4
Station 1	91	18.8 ± 2.0	1.1 ± 0.4	5.9 ± 2.2	1.9 ± 0.1
Station 2	7	14.0 ± 3.3	0.7 ± 0.1	5.4 ± 1.5	2.6 ± 0.2
Station 2	14	17.5 ± 5.5	0.8 ± 0.0	4.9 ± 2.0	3.7 ± 0.8
Station 2	21	15.5 ± 2.1	0.7 ± 0.0	4.5 ± 0.8	3.4 ± 0.3
Station 2	28	17.1 ± 5.8	0.7 ± 0.1	4.5 ± 1.3	4.2 ± 0.1
Station 2	42	15.0 ± 4.9	0.6 ± 0.1	4.5 ± 1.2	4.7 ± 0.9
Station 2	63	12.9 ± 2.0	0.8 ± 0.1	6.2 ± 1.3	5.6 ± 0.6
Station 2	91	17.8 ± 1.5	0.9 ± 0.1	5.0 ± 0.6	8.3 ± 0.8
Station 3	7	17.9 ± 5.8	0.7 ± 0.1	4.5 ± 1.7	2.6 ± 0.3
Station 3	14	17.2 ± 4.9	0.8 ± 0.1	4.8 ± 1.8	2.9 ± 0.4
Station 3	21	17.8 ± 4.4	0.8 ± 0.1	4.5 ± 0.7	3.6 ± 0.4
Station 3	28	15.0 ± 3.8	0.7 ± 0.1	5.1 ± 1.9	3.5 ± 0.1
Station 3	42	16.7 ± 2.0	0.7 ± 0.1	4.2 ± 0.4	4.3 ± 0.7
Station 3	63	14.5 ± 3.3	0.8 ± 0.0	5.5 ± 1.3	5.1 ± 0.6
Station 3	91	18.0 ± 1.1	0.6 ± 0.0	3.1 ± 0.3	6.5 ± 0.2

Paramètres physiologiques et concentrationsen EOX (moyenne ± écart type ; n=3) mesurées dans les gonades de *A.*

	Temps d'exposition	**Poids sec % du poids frais**	**Lipides % du poids frais**	**Lipides % du poids sec**	**[EOX] µg Cl.g^{-1} poids frais**
Témoins	0	16.1 ± 2.2	0.7 ± 0.2	4.5 ± 0.8	2.1 ± 0.2
Station 1	14	13.6 ± 2.2	0.8 ± 0.2	6.0 ± 2.0	1.9 ± 0.3
Station 1	28	14.5 ± 1.1	0.8 ± 0.2	5.8 ± 1.5	1.9 ± 0.2
Station 1	42	13.8 ± 0.3	1.1 ± 0.3	7.7 ± 2.2	2.0 ± 0.5
Station 1	63	12.5 ± 2.1	0.9 ± 0.1	7.1 ± 1.3	2.1 ± 0.2
Station 1	91	13.7 ± 1.0	0.9 ± 0.2	6.3 ± 1.5	2.2 ± 0.4
Station 2	7	15.7 ± 2.0	0.7 ± 0.3	4.5 ± 1.7	2.4 ± 0.1
Station 2	14	14.0 ± 3.4	0.7 ± 0.1	5.6 ± 2.5	2.8 ± 0.5
Station 2	21	11.6 ± 1.3	0.8 ± 0.0	6.8 ± 0.9	2.7 ± 0.1
Station 2	28	10.8 ± 1.3	0.7 ± 0.1	6.9 ± 0.5	3.8 ± 0.2
Station 2	42	11.2 ± 1.2	0.7 ± 0.1	6.3 ± 1.9	4.9 ± 0.4
Station 2	63	12.2 ± 1.4	0.8 ± 0.2	6.9 ± 1.6	4.7 ± 0.4
Station 2	91	11.5 ± 1.2	0.8 ± 0.1	7.2 ± 0.5	7.4 ± 1.4
Station 3	7	14.4 ± 1.0	0.9 ± 0.1	6.1 ± 0.6	2.1 ± 0.3
Station 3	14	14.4 ± 3.3	0.7 ± 0.2	5.5 ± 2.2	2.7 ± 0.6
Station 3	21	16.3 ± 0.9	0.7 ± 0.1	4.5 ± 0.7	2.6 ± 0.3
Station 3	28	14.8 ± 1.7	0.8 ± 0.1	5.2 ± 0.3	3.5 ± 0.6
Station 3	42	12.5 ± 1.2	0.7 ± 0.1	5.9 ± 0.2	3.3 ± 0.4
Station 3	63	10.4 ± 1.7	0.7 ± 0.1	7.1 ± 1.7	4.0 ± 0.6
Station 3	91	12.3 ± 2.9	0.7 ± 0.0	5.9 ± 1.4	5.3 ± 1.0

Paramètres physiologiques et concentrations en EOX (moyenne ± écart type ; n=3) mesurées dans les glandes diges

	Temps d'exposition	**Poids sec % du poids frais**	**Lipides % du poids frais**	**Lipides % du poids sec**	**[EOX] µg Cl.g^{-1} poids frais**
Témoins	0	10.9 ± 0.5	1.2 ± 0.2	11.2 ± 1.7	2.1 ± 0.2
Station 1	14	11.8 ± 1.9	1.1 ± 0.1	9.5 ± 1.7	2.1 ± 0.2
Station 1	28	11.2 ± 0.3	1.3 ± 0.3	11.9 ± 2.6	2.5 ± 0.3
Station 1	42	11.9 ± 1.2	1.2 ± 0.2	10.5 ± 2.2	2.4 ± 0.3
Station 1	63	11.3 ± 1.3	1.3 ± 0.1	11.6 ± 2.3	2.6 ± 0.5
Station 1	91	13.0 ± 2.8	1.3 ± 0.2	10.1 ± 2.7	2.8 ± 0.4
Station 2	7	12.5 ± 0.7	1.5 ± 0.2	11.7 ± 1.8	4.1 ± 0.0
Station 2	14	11.2 ± 0.5	1.3 ± 0.2	11.2 ± 1.8	4.8 ± 0.1
Station 2	21	11.0 ± 1.3	1.3 ± 0.1	11.6 ± 1.0	7.1 ± 0.3
Station 2	28	9.9 ± 0.2	1.3 ± 0.1	12.8 ± 1.2	9.3 ± 0.8
Station 2	42	9.5 ± 1.5	1.6 ± 0.2	17.1 ± 4.5	12.9 ± 0.5
Station 2	63	10.8 ± 3.1	1.4 ± 0.1	13.8 ± 3.8	13.0 ± 0.8
Station 2	91	10.6 ± 1.1	1.5 ± 0.1	13.9 ± 2.2	15.4 ± 0.7
Station 3	7	10.0 ± 0.8	1.2 ± 0.1	11.9 ± 1.7	3.1 ± 0.8
Station 3	14	9.8 ± 0.3	1.1 ± 0.1	11.3 ± 0.9	3.3 ± 0.2
Station 3	21	10.6 ± 2.7	1.0 ± 0.1	10.2 ± 2.5	3.9 ± 0.8
Station 3	28	10.4 ± 0.9	1.4 ± 0.2	13.6 ± 2.7	5.3 ± 0.1
Station 3	42	9.4 ± 0.6	1.1 ± 0.1	11.4 ± 0.8	5.7 ± 0.9
Station 3	63	8.6 ± 0.8	1.1 ± 0.2	13.0 ± 3.0	7.3 ± 0.1
Station 3	91	8.5 ± 0.7	1.1 ± 0.0	12.9 ± 1.1	8.5 ± 0.5

Paramètres physiologiques et concentrations en EOX (moyenne ± écart type ; n=3) mesurées dans les restes de *A. c*

	Temps d'exposition	**Poids sec % du poids frais**	**Lipides % du poids frais**	**Lipides % du poids sec**	**[EOX] µg Cl.g^{-1} poids frais**
Témoins	0	9.7 ± 0.7	0.4 ± 0.0	4.6 ±	0.9 ± 0.2
Station 1	14	9.9 ± 1.1	0.5 ± 0.1	4.7 ±	1.2 ± 0.0
Station 1	28	9.5 ± 1.1	0.4 ± 0.1	4.4 ±	0.9 ± 0.3
Station 1	42	9.2 ± 1.3	0.4 ± 0.0	5.6 ±	0.7 ± 0.1
Station 1	63	8.6 ± 0.7	0.4 ± 0.0	4.5 ±	0.9 ± 0.1
Station 1	91	9.8 ± 0.5	0.4 ± 0.0	4.4 ±	1.1 ± 0.2
Station 2	7	11.6 ± 0.6	0.5 ± 0.1	5.6 ±	1.6 ± 0.2
Station 2	14	9.9 ± 1.2	0.5 ± 0.1	4.8 ±	1.6 ± 0.2
Station 2	21	9.0 ± 1.0	0.4 ± 0.1	4.6 ±	1.7 ± 0.2
Station 2	28	9.3 ± 1.3	0.5 ± 0.1	4.8 ±	2.1 ± 0.5
Station 2	42	7.7 ± 2.0	0.4 ± 0.1	5.5 ±	2.0 ± 0.2
Station 2	63	8.7 ± 0.6	0.4 ± 0.1	5.1±	2.3 ± 0.3
Station 2	91	9.0 ± 0.3	0.4 ± 0.1	4.5 ±	2.3 ± 0.2
Station 3	7	8.7 ± 1.5	0.4 ±0.1	4.7 ±	1.0 ± 0.0
Station 3	14	9.4 ± 0.4	0.4 ± 0.0	4.6 ±	1.2 ± 0.1
Station 3	21	9.8 ± 0.6	0.5 ± 0.1	4.8 ±	1.4 ± 0.1
Station 3	28	10.9 ± 0.8	0.5 ± 0.1	4.8 ±	1.6 ± 0.3
Station 3	42	10.2 ± 1.0	0.5 ± 0.1	4.8 ±	1.7 ± 0.1
Station 3	63	10.1 ± 1.2	0.5 ± 0.1	5.0 ±	1.9 ± 0.2
Station 3	91	9.0 ± 0.2	0.5 ± 0.1	5.1 ±	2.0 ± 0.4

Paramètres physiologiques et concentrations en EOX (moyenne ± écart type ; n=3) recalculés pour les individus en

	Temps d'exposition	**Poids sec % du poids frais**	**Lipides % du poids frais**	**Lipides % du poids sec**	**[EOX] µg Cl.g^{-1} poids frais**
Témoins	0	12.1 ± 0.8	0.6 ± 0.0	4.9 ± 0.3	1.2 ± 0.1
Station 1	14	11.9 ± 1.5	0.6 ± 0.1	5.4 ± 0.4	1.5 ± 0.1
Station 1	28	11.5 ± 0.4	0.6 ± 0.0	5.5 ± 0.5	1.3 ± 0.2
Station 1	42	11.5 ± 1.2	0.7 ± 0.0	5.8 ± 0.8	1.3 ± 0.1
Station 1	63	9.7 ± 2.1	0.6 ± 0.1	6.1 ± 0.6	1.3 ± 0.1
Station 1	91	12.1 ± 0.6	0.7 ± 0.1	5.7 ± 1.3	1.6 ± 0.1
Station 2	7	12.8 ± 1.1	0.7 ± 0.1	5.8 ± 0.8	2.3 ± 0.2
Station 2	14	11.9 ± 0.4	0.7 ± 0.1	5.6± 0.9	2.5 ± 0.1
Station 2	21	10.6 ± 0.8	0.6 ± 0.1	5.9 ± 0.4	2.8 ± 0.1
Station 2	28	10.7 ± 1.5	0.6 ± 0.1	6.0 ± 0.4	3.6 ± 0.4
Station 2	42	9.5 ± 1.7	0.6 ± 0.1	6.8 ± 1.0	4.2 ± 0.2
Station 2	63	10.1 ± 0.6	0.7 ± 0.1	6.5 ± 0.9	4.3 ± 0.3
Station 2	91	10.9 ± 0.2	0.7 ± 0.1	6.1 ± 0.5	5.5 ± 0.2
Station 3	7	11.1 ± 0.3	0.7 ± 0.1	6.0 ± 0.7	1.8 ± 0.2
Station 3	14	11.3 ± 1.1	0.6 ± 0.0	5.6 ± 0.7	2.0 ± 0.1
Station 3	21	11.9 ± 0.3	0.6 ± 0.1	5.2 ± 0.6	2.2 ± 0.2
Station 3	28	11.9 ± 1.2	0.7 ± 0.0	6.0 ± 0.6	2.7 ± 0.2
Station 3	42	11.3 ± 0.8	0.6 ± 0.0	5.5 ± 0.4	2.8 ± 0.1
Station 3	63	10.2 ± 1.1	0.6 ± 0.1	5.9 ± 0.5	3.1 ± 0.4
Station 3	91	10.8 ± 0.4	0.6 ± 0.0	5.4 ± 0.2	4.0 ± 0.1

Etude du relarguage d'EOX par *Anodonta cygnea*

Caractéristiques morphologiques mesurées chez *A. cygnea* (moyenne ± écart type ; n=4).

Temps d'exposition	Longeur mm	Hauteur mm	Epaisseur mm	Poids total g	Parties molles g
0	75.75 ± 2.34	44.72 ± 2.34	25.25 ± 1.05	39.86 ± 7.03	11.33 ± 2.84
3	70.97 ± 2.82	41.23 ± 1.70	23.88 ± 1.70	32.18 ± 6.74	8.53 ± 2.29
7	73.13 ± 1.55	43.99 ± 2.72	26.79 ± 1.51	41.96 ± 5.76	9.17 ± 0.57
14	73.85 ± 1.52	44.44 ± 2.96	25.22 ± 1.43	40.79 ± 5.27	10.93 ± 3.02
28	71.49 ± 4.32	41.58 ± 1.45	24.29 ± 2.80	34.31 ± 8.55	9.54 ± 3.74
42	73.64 ± 2.11	44.83 ± 1.94	26.13 ± 1.57	42.98 ± 7.40	12.06 ± 3.73

Paramètres physiologiques mesurés dans *A. cygnea* (moyenne ± écart type ; n=4).

Temps d'exposition	Poids sec % du poids frais	Lipides % du poids frais	Lipides % du poids sec
0	9.17 ± 0.63	0.33 ± 0.02	3.61 ± 0.22
3	9.88 ± 0.59	0.41 ± 0.04	4.11 ± 0.39
7	10.16 ± 0.65	0.46 ± 0.04	4.51 ± .18
14	10.47 ± 1.19	0.47 ± 0.06	4.49 ± 0.28
28	11.05 ± 0.33	0.50 ± 0.07	4.51 ± 0.58
42	11.50 ± 0.53	0.59 ± 0.08	5.08 ± 0.55

Concentrations en EOX mesurées dans *A. cygnea* (moyenne ± écart type ; n=4).

Temps d'exposition	[EOX] µg $Cl.g^{-1}$ poids frais	[EOX] µg $Cl.g^{-1}$ poids sec	[EOX] µg $Cl.g^{-1}$ lipides
0	8.9 ± 1.2	97.0 ± 9.1	2689.4 ± 284.5
3	7.2 ± 0.9	73.3 ± 12.1	1787.9 ± 279.1
7	5.1 ± 0.9	50.7 ± 8.4	1131.2 ± 230.0
14	4.3 ± 0.3	41.8 ± 7.0	930.9 ± 141.0
28	2.5 ± 0.6	23.1 ± 6.1	522.7 ± 166.7
42	2.5 ± 0.7	21.6 ± 6.2	427.2 ± 117.7