

**Appendix A: Tables with measurements available at HELCOM  
stations for 2003**

## Observed air concentrations of Nitrogen species at HELCOM stations, 2003

Total nitrate (NO<sub>3</sub>+HNO<sub>3</sub>)

Code	Component	Units	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Mean
DE0009R	Zingst	µg N/m <sup>3</sup>	1.3	1.9	2.19	1.523	1.113	0.81	0.703	0.7	Miss	Miss	Miss	Miss	1.354
DK0005R	Keldsenor	µg N/m <sup>3</sup>	1.299	1.924	3.074	1.827	1.198	0.842	0.81	0.663	1.128	0.918	1.432	0.953	1.318
DK0008R	Arnholt	µg N/m <sup>3</sup>	0.773	1.296	1.659	0.99	0.982	0.557	0.667	0.5	0.638	0.618	0.909	0.545	0.85
LT0015R	Prelia	µg N/m <sup>3</sup>	1.014	0.948	1.183	0.892	0.822	0.696	0.566	0.453	0.475	0.445	0.938	0.728	0.761
LV0010R	Rucava	µg N/m <sup>3</sup>	0.56	0.549	0.572	0.469	0.484	0.361	0.387	0.263	0.317	0.285	0.722	0.348	0.442
LV0016R	Zoseni	µg N/m <sup>3</sup>	0.303	0.299	0.284	0.244	0.209	0.142	0.175	0.147	0.229	0.217	0.31	0.288	0.237
PL0004R	Leba	µg N/m <sup>3</sup>	0.851	0.842	1.268	0.914	0.452	0.472	0.365	0.341	0.396	0.572	0.666	0.623	0.662
SE0005R	Bredkällan	µg N/m <sup>3</sup>	0.088	0.345	0.211	0.133	0.089	0.077	0.086	0.096	0.169	0.026	0.08	0.073	0.121
SE0011R	Vavithil	µg N/m <sup>3</sup>	0.772	0.989	1.68	0.744	0.675	0.389	0.297	0.282	0.579	0.424	0.761	0.852	0.718
SE0014R	Rådö	µg N/m <sup>3</sup>	0.813	1.08	1.419	0.828	0.891	0.569	0.541	0.348	0.719	0.462	0.751	0.625	0.752

Total reduced nitrogen (NH<sub>3</sub>+NH<sub>4</sub>)

Code	Component	Units	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Mean
DE0009R	Zingst	µg N/m <sup>3</sup>	1.6	2.5	3.758	2.737	2.7	2.217	2.006	2	Missin	Missin	Missin	Missin	2.5
DK0005R	Keldsenor	µg N/m <sup>3</sup>	1.815	3.432	6.455	3.896	3.957	2.249	2.733	2.107	2.526	1.789	2.699	1.994	2.93
DK0008R	Arnholt	µg N/m <sup>3</sup>	1.105	2.047	2.696	1.505	1.466	0.884	1.091	0.847	1.244	0.78	1.358	0.768	1.313
LT0015R	Prelia	µg N/m <sup>3</sup>	1.387	1.684	2.058	1.492	1.658	0.895	1.176	0.945	1.926	1.12	2.157	1.432	1.491
LV0010R	Rucava	µg N/m <sup>3</sup>	0.966	1.509	1.522	1.128	1.464	1.075	1.359	0.937	1.187	0.962	1.609	0.866	1.213
LV0016R	Zoseni	µg N/m <sup>3</sup>	0.859	0.936	1.079	0.82	0.744	0.67	0.997	0.673	0.636	0.759	0.912	0.647	0.811
PL0004R	Leba	µg N/m <sup>3</sup>	Missi	Missin	Missin	1.797	1.126	1.926	1.368	1.14	1.622	1.232	1.76	0.909	1.392
SE0005R	Bredkällan	µg N/m <sup>3</sup>	0.094	0.594	0.39	0.471	0.222	0.218	0.378	0.195	0.255	0.042	0.145	0.056	0.252
SE0011R	Vavithil	µg N/m <sup>3</sup>	1.114	1.849	2.908	1.508	1.358	0.929	1.016	0.653	1.041	0.628	1.303	1.119	1.292
SE0014R	Rådö	µg N/m <sup>3</sup>	0.974	2.248	2.612	1.159	1.137	0.868	0.879	0.567	0.893	0.543	1.038	0.783	1.135

**Nitrate (NO<sub>3</sub>)**

Code	Component	Units	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual mean
LV0010R	Rucava	µg N/m <sup>3</sup>	0.091	0.108	0.102	0.08	0.074	0.056	0.066	0.042	0.05	0.065	0.087	0.076	0.074
LV0016R	Zoseni	µg N/m <sup>3</sup>	0.05	0.05	0.048	0.044	0.03	0.031	0.042	0.043	0.038	0.044	0.059	0.065	0.045
PL0004R	Leba	µg N/m <sup>3</sup>	0.74	0.741	1.144	0.786	0.37	0.365	0.305	0.26	0.321	0.412	0.71	0.478	0.552
RU0016R	Shepeljovo	µg N/m <sup>3</sup>	0.129	0.204	0.259	0.187	0.225	0.13	0.245	0.121	0.14	0.066	0.184	0.1	0.169

**Ammonium (NH<sub>4</sub>)**

Code	Component	Units	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual mean
LV0010R	Rucava	µg N/m <sup>3</sup>	0.659	1.246	1.014	0.649	0.691	0.702	0.71	0.537	0.649	0.557	1.08	0.451	0.776
LV0016R	Zoseni	µg N/m <sup>3</sup>	0.715	0.733	0.832	0.656	0.599	0.445	0.474	0.412	0.43	0.57	0.745	0.48	0.589
PL0004R	Leba	µg N/m <sup>3</sup>	1.341	1.795	2.017	1.419	0.709	0.886	0.893	0.649	0.825	0.941	1.4	0.744	1.129
RU0016R	Shepeljovo	µg N/m <sup>3</sup>	0.3	0.607	0.38	0.473	0.448	0.347	0.555	0.251	0.285	0.253	0.686	0.308	0.411

**Nitrogen dioxide (NO<sub>2</sub>)**

Code	Component	Units	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Mean
DE0009R	Zingst	µg N/m <sup>3</sup>	3.41	2.68	2.95	2.04	2.07	1.61	2.04	1.73	1.95	2.01	3.53	3.56	2.462
DK0008R	Arnholt	µg N/m <sup>3</sup>	2.361	3.239	2.701	1.599	1.35	1.182	1.568	0.985	1.178	1.244	3.067	2.263	1.882
EE0009R	Lahemaa	µg N/m <sup>3</sup>	1.691	1.713	1.219	0.869	0.735	0.578	0.492	0.36	0.512	0.568	1.029	1.121	0.907
EE0011R	Vilsandi	µg N/m <sup>3</sup>	1.263	1.563	1.556	0.964	1.243	0.651	0.568	0.375	0.573	0.504	0.983	1.127	0.956
FI0009R	Utö	µg N/m <sup>3</sup>	2.515	2.248	2.405	1.632	2.711	1.774	1.641	1.165	1.176	0.927	1.997	1.499	1.609
FI0017R	Virolahti	µg N/m <sup>3</sup>	2.407	2.979	2.433	1.711	1.407	0.396	0.18	0.091	0.715	1.228	1.058	1.568	1.344
LT0015R	Prealia	µg N/m <sup>3</sup>	1.968	1.562	1.462	1.238	1.089	0.969	1.152	0.977	0.753	0.988	1.934	1.89	1.333
LV0010R	Rucava	µg N/m <sup>3</sup>	1.366	1.221	1.042	0.698	0.608	0.702	0.285	0.474	0.55	0.714	1.358	1.314	0.856
LV0016R	Shepeljovo	µg N/m <sup>3</sup>	1.191	0.862	0.568	0.351	0.36	0.595	0.345	0.339	0.323	0.434	0.64	0.963	0.581
PL0004R	Leba	µg N/m <sup>3</sup>	1.671	1.854	1.681	1.388	1.219	1.02	1.3	0.916	1.463	1.44	3.18	2.642	1.67
SE0005R	Bredkälen	µg N/m <sup>3</sup>	0.206	0.452	0.1	0.105	0.061	0.055	0.06	0.055	0.075	0.087	0.304	0.169	0.14
SE0006R	Hoburg	µg N/m <sup>3</sup>	1.247	0.936	1.424	1.133	1.804	0.918	0.752	0.491	0.777	0.578	1.638	1.359	1.088
SE0011R	Vavitsili	µg N/m <sup>3</sup>	2.131	1.566	1.518	0.983	1.098	0.662	0.907	1.002	1.286	1.431	2.85	2.713	1.54
SE0014R	Rådö	µg N/m <sup>3</sup>	2.352	2.571	2.629	1.479	1.432	0.946	1.083	1.104	1.141	1.402	2.449	2.081	1.718

## Observed air concentrations of metal species at HELCOM stations, 2003

Cadmium		Component	Units	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual mean
DE0009R	Zingst	cadmium	ng/ Cd/m3	0.20	0.44	0.45	0.27	0.13	0.09	0.06	0.07	0.18	0.17	0.40	0.35	0.23
DK0005R	Keldsnor	cadmium	ng/ Cd/m3	0.17	0.42	0.39	0.18	0.10	0.01	0.09	0.13	0.16	0.04	0.30	0.22	0.18
DK0008R	Arnholt	cadmium	ng/ Cd/m3	0.10	0.24	0.18	0.06	-0.01	-0.02	0.14	0.05	0.12	-0.02	0.25	0.15	0.10
LT0015R	Piraila	cadmium	ng/ Cd/m3	0.22	0.28	0.30	0.23	0.09	0.12	0.12	0.09	0.16	0.14	0.37	0.29	0.20
LV0010R	Rucaiva	cadmium	ng/ Cd/m3	0.25	0.82	0.42	0.15	0.20	0.17	0.41	0.57	0.22	0.20	0.28	0.22	0.32
LV0016R	Zoseni	cadmium	ng/ Cd/m3	0.22	0.24	0.28	0.17	0.15	0.07	0.15	0.08	0.12	0.18	0.20	0.15	0.17
SE0014R	Rådö	cadmium	ng/ Cd/m3	0.07	0.14	0.09	0.12	0.06	0.06	0.06	0.03	0.10	0.06	0.22	0.11	0.09
Lead		Component	Units	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual mean
DE0009R	Zingst	lead	ng/ Cd/m3	9.64	17.31	13.50	4.21	3.33	1.64	1.98	1.83	6.05	4.63	11.93	10.24	7.16
DK0005R	Keldsnor	lead	ng/ Cd/m3	7.45	18.56	13.75	5.66	3.45	3.63	2.96	1.70	4.85	3.74	9.59	9.01	6.90
DK0008R	Arnholt	lead	ng/ Cd/m3	5.82	11.05	6.95	3.23	2.14	2.15	2.32	1.12	3.39	2.59	6.83	4.16	4.26
LT0015R	Piraila	Lead	ng/ Cd/m3	11.51	11.72	9.39	7.22	3.84	5.13	5.16	3.20	4.92	4.22	10.14	9.09	7.09
LV0010R	Rucaiva	Lead	ng/ Cd/m3	5.03	10.93	8.05	2.24	2.80	4.67	7.65	4.70	3.62	3.06	2.70	5.92	5.07
LV0016R	Zoseni	lead	ng/ Cd/m3	3.22	3.90	6.39	2.99	1.29	1.48	3.60	0.94	2.21	3.50	2.69	3.92	2.96
SE0014R	Rådö	lead	ng/ Cd/m3	2.67	5.18	4.00	3.26	2.24	1.97	2.25	0.98	3.19	1.54	6.11	3.56	3.06
Mercury		Component	Units	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual mean
SE0014R	Rådö	Mercury	ng Hg/ m3	12.34	20.412	11.311	8.333	7.311	7.125	7.45	4.511	5.54	5.425	13.456	10.6	
SE0014R	Rådö	Mercury	ng Hg/ m3	1.789	2.013	1.878	1.856	1.95	1.813	1.589	1.656	1.6	1.55	1.778	1.85	1.779

**Total Gaseous Mercury**

Code	Component	Units	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual mean
DE0006R	Zingst	total_gaseous_mercury	ng Hg/ m3	1.794	1.598	1.633	1.764	1.583	1.435	1.57	1.564	1.622	1.932	1.87	1.66

**Gamma HCH**

Code	Component	Units	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual mean	
SE0014R	Råd	Gamma-HCH	pg γ- HCH/m3	4.12	3.93	6.07	7.40	12.87	10.11	14.45	9.32	8.50	4.81	7.07	6.00	8.02

**Observed depositions of nitrogen in precipitation at HELCOM stations, 2003**

Code	Component	Units	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual mean	Year total N	
DE0006R	Zingst	Am monium	mg N m/2	13.337	7.371	18.937	32.148	57.61	46.032	29.835	20.194	24.979	20.691	16.536	14.398	302.069	
		Nitrate	mg N m/2	17.976	9.266	10.423	20.18	42.592	24.602	25.54	16.963	24.909	21.752	24.208	19.719	258.121	560.19
		precipitation_amount	mm	28.994	5.484	12.221	15.74	62.62	50.54	64.717	80.777	71.917	53.054	35.413	43.121	524.6	
DK0005R	Kejlsnor	Am monium	mg N m/2	10.048	3.717	19.241	27.283	56.14	67.379	34.984	8.832	12.835	11.505	23.804	12.339	287.638	
		Nitrate	mg N m/2	15.375	5.222	10.65	15.541	47.371	37.659	24.426	9.58	16.477	15.922	24.548	13.422	236.59	524.216
		precipitation_amount	mm	36.659	8.154	9.73	17.94	79.875	53.824	41.897	17.36	28.49	42.21	26.26	25.818	390.028	
DK0008R	Anholt	Am monium	mg N m/2	10.318	7.585	12.469	29.499	36.645	15.774	44.311	14.905	48.942	15.508	23.714	15.159	274.809	
		Nitrate	mg N m/2	17.732	9.609	12.641	23.015	34.188	22.246	38.114	18.753	37.77	19.277	35.459	24.746	293.551	568.36
		precipitation_amount	mm	32.16	9.043	9.371	58.898	63.833	51.383	77.275	29.818	53.592	32.407	72.395	56.227	546.391	
DK0020R	Pedersker	Am monium	mg N m/2	21.456	3.656	8.008	186.412	39.707	79.005	22.76	39.811	88.226	14.89	21.105	3.259	528.323	
		Nitrate	mg N m/2	33.494	6.115	7.461	23.359	21.601	18.719	123.62	18.579	17.561	12.978	33.725	4.51	304.059	632.382
		precipitation_amount	mm	47.965	5.603	5.346	27.926	27.341	37.307	28.722	33.176	45.125	23.591	47.995	11.276	341.374	

Code	Component	Units	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual mean	Year total N
EE0009R	Am monium	mg N m/2	8.388	1.579	0.253	7.801	13.7	5.578	2.708	8.083	11.388	9.795	6.326	13.893	91.582	
	Nitrate	mg N m/2	11.03	5.475	3.858	9.487	12.053	26.156	5.345	5.178	12.102	19.207	9.023	24.783	151.681	243.243
	precipitation amount	mm	39.6	13.5	12.629	50.329	72.171	52	100.171	102.1	35.7	121.088	43.114	81.6	723.323	
EE0011R	Am monium	mg N m/2	2.43	3.78	10.381	12.198	12.008	0.314	1.081	0.538	62.777	14.041	20.184	24.904	139.383	
	Nitrate	mg N m/2	2.484	7.44	24.703	10.539	10.093	0.673	0.823	1.293	37.014	14.564	24.579	37.703	174.196	313.579
	precipitation amount	mm	5.4	8	6.143	24.6	45.257	25.771	7.871	18.957	85.371	42.314	56.014	95.8	416.656	
F0009R	Am monium	mg N m/2	1.209	-9999.99	0.639	6.108	14.74	10.921	4.497	4.293	4.499	5.909	14.278	6.278	73.219	
	Nitrate	mg N m/2	0.927	-9999.99	1.569	6.566	16.694	8.294	3.727	6.883	5.921	10.483	20.124	15.134	96.227	169.446
	precipitation amount	mm	3.1	0	2.9	11	40	22.2	7.7	45.6	11.2	27.5	33.4	40.7	245.3	
F0017R	Am monium	mg N m/2	5.292	2.822	6.479	10.172	16.641	10.563	5.198	16.575	24.503	11.594	23.567	11.281	143.762	
	Nitrate	mg N m/2	9.739	9.184	7.599	8.608	14.813	9.793	6.375	16.599	15.987	16.259	29.559	23.401	167.4	311.162
	precipitation amount	mm	18.8	22.8	8.6	25.9	60.4	49.8	34.4	132.3	43.1	76	56.6	59.214	587.871	
F0053R	Am monium	mg N m/2	5.884	3.186	6.108	4.982	18.108	0.266	6.199	2.093	21.802	11.773	9.011	3.312	96.84	
	Nitrate	mg N m/2	9.249	5.404	6.192	3.891	13.625	0.915	5.661	3.185	22.348	8.252	9.867	4.491	96.308	193.148
	precipitation amount	mm	29.9	5.8	10.5	7.7	46.1	2.2	41.7	35.8	40.5	44.27	27.03	10.6	301.98	
LT0015R	Am monium	mg N m/2	3.449	0.27	3.386	27.803	19.792	10.596	15.021	26.188	15.345	30.434	10.072	7.892	170.218	
	Nitrate	mg N m/2	6.028	0.735	3.663	28.803	16.771	10.548	14.289	33.633	18.972	54.272	12.888	22.344	222.946	393.164
	precipitation amount	mm	5.6	1.5	3.3	41.8	20.4	36	41.9	94.6	47.1	136	22.9	37.2	488.3	
LV0010R	Am monium	mg N m/2	43.03	-9999.99	16.499	28.999	25.941	38.03	25.599	56.494	27.984	21.773	30.813	42.796	355.78	
	Nitrate	mg N m/2	41.034	-9999.99	14.143	22.542	16.178	26.532	22.154	51.275	19.699	35.199	47.342	59.233	354.425	710.205
	precipitation amount	mm	55.7	4.6	13.8	43.6	36.2	79.3	69.2	120.3	43.1	98	48	105.3	717.1	

Code	Component	Units	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual mean	Year total N
LV0016R	Am monium	mg N m/2	28.378	7.279	24.245	21.678	30.456	8.344	33.829	20.139	8.082	18.648	44.904	55.017	301.293	
	Nitrate precipitation amount	mg N m/2 mm	19.174	5.612	18.151	17.626	17.733	8.139	14.487	17.613	7.396	14.859	23.563	21.64	179.114	480.407
			32.7	15.3	17.8	47.6	71.8	55.2	61.4	120.7	26.5	67.2	66.5	54.9	639.4	
PL0004R	Am monium	mg N m/2	16.638	2.928	15.761	24.219	15.328	21.613	41.824	37.884	26.439	37.725	11.429	9.745	260.77	
	Nitrate precipitation amount	mg N m/2 mm	27.194	5.839	14.406	17.751	12.741	15.123	33.803	27.343	16.137	39.46	14.17	18.026	241.646	502.416
			45.6	6.1	13.1	34	24.9	37.5	97.1	79.8	48.3	96.2	32.7	53.3	569.17	
RU0016R	Am monium	mg N m/2	12.687	8.525	15.531	13.953	21.41	8.616	14.597	9.51	8.434	17.61	14.192	32.59	177.655	
	Nitrate precipitation amount	mg N m/2 mm	15.273	16.677	19.309	15.082	16.598	9.477	21.738	8.124	7.954	14.545	28.343	33.391	206.511	394.166
			46.6	25.9	25.9	18.1	85.2	43.2	40.2	92.2	28.9	84.7	49	90.7	627.9	
SE0005R	Am monium	mg N m/2	0.605	0.404	0.678	12.564	8.978	5.529	13.228	4.588	1.229	1.884	1.271	0.139	51.122	
	Nitrate precipitation amount	mg N m/2 Mm	4.169	4.08	1.416	13.084	9.678	5.173	13.707	3.859	1.628	2.412	2.967	0.57	62.725	113.847
			57.8	7.6	3.4	40	39.3	63.9	81	36	13.7	10.1	17.7	7.3	377.667	
SE0011R	Am monium	mg N m/2	15.529	-99999.99	12.533	55.185	67.129	29.012	26.21	32.566	19.363	18.487	46.363	54.21	376.505	
	Nitrate precipitation amount	mg N m/2 Mm	16.901	-99999.99	8.259	38.028	50.559	20.976	21.145	27.424	17.168	23.381	45.777	47.691	317.198	693.703
			38	0	10.5	61.3	73.1	46.3	69.7	69.9	27.7	63.7	72.9	73.9	606.663	
SE0014R	Am monium	mg N m/2	14.021	13.283	11.968	56.254	28.194	56.215	20.617	5.885	14.064	14.522	16.289	21.34	272.864	
	Nitrate precipitation amount	mg N m/2 Mm	23.128	18.998	12.864	47.968	31.434	27.282	19.353	10.004	13.385	24.889	31.828	35.676	296.188	569.07
			37.3	17.6	10.6	90.9	59.1	53.7	84.1	48	10.2	44.5	61.8	63	600.8	

## Observed depositions of cadmium in precipitation at HELCOM stations, 2003

Code	Component	Units	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
D00009R	Zingst	cadmium precipitation_amount µg Cd/m2 mm	2.464	0.145	0.59	1.239	2.693	2.235	1.698	2.248	7.783	2.666	1.359	1.441	27.149
			29.357	4.143	11.9	16.929	65.671	46.5	57	82.714	79.114	53.629	34.014	42.829	523.8
D10009R	Arnholt	cadmium precipitation_amount µg Cd/m2 mm	1.658	0.8	1.135	3.634	3.06	1.898	2.282	1.76		1.704	2.58	1.711	
			29.963	9.27	9.611	58.276	66.857	51.855	78.798	28.481	55.213	34.125	71.909	55.187	549.835
D10020R	Pedersker	cadmium precipitation_amount µg Cd/m2 mm	2.341	0.616	3.501	2.71	1.713	3.36	1.467	2.899	5.684	6.07	5.042	-9999.99	35.428
			31.926	10.832	10.673	22.911	29.036	42.246	34.9	43.271	45.531	81.453	50.927	0	403.92
EE0009R	Lahemaal	cadmium precipitation_amount µg Cd/m2 mm	1.251	0.696	0.48	4.499	3.44	3.752	2.919	1.02	5.676	4.128	3.157	14.688	45.548
			41.7	11.6	9.6	40.9	86	53.6	97.3	102	51.6	103.2	45.1	81.6	723.323
EE0011R	Viisandý	cadmium precipitation_amount µg Cd/m2 mm	0.972	0.96	1.128	2.702	1.7	3.185	1.211	10.972	2.34	3.31	13.713	2.421	44.588
			5.4	8	4.7	19.3	42.5	24.5	17.3	84.4	26	33.1	65.3	80.7	410.332
F10009R	Uto	cadmium precipitation_amount µg Cd/m2 mm	5.992	-9999.99	-9999.99	1.911	6.259	1.546	1.309	0.925	1.656	1.957	9.212	3.744	34.703
			11.5	0	0.2	19.7	48.9	27.6	8.5	54.4	12.8	10.3	49	52	294.481
F10017R	Virolahti II	cadmium precipitation_amount µg Cd/m2 mm	1.558	1.982	-9999.99	1.7	4.748	1.987	2.376	2.288	8.486	2.481	7.346	4.674	39.569
			14.7	14.9	0	16.5	60.1	52.3	36	134.6	44.2	65.3	52.1	49.2	539.503
F10053R	Hailuoto II	cadmium precipitation_amount µg Cd/m2 mm	1.449	0.511	1.472	1.075	2.989	0.328	2.324	0.885	3.477	1.714	2.3	2.317	20.821
			33.7	3.5	6.4	3.5	46.7	2	41.5	35.4	40.9	35.7	28.4	8.1	285.735
LT0015R	Preila	cadmium precipitation_amount µg Cd/m2 mm	6.061	2.732	3.873	25.703	6.815	17.163	5.145	5.126	10.522	44.146	18.46	13.928	160.26
			55.743	48.529	51.729	50.4	32.614	62.171	38.914	98.043	49.457	160.4	34.814	58.888	743.167

Code	Component	Units	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
LV0010R	cadmium	µg Cd /m2	8.188	6.115	4.312	14.777	10.008	7.666	9.78	10.211	5.438	10.985	6.248	21.009	115.187
	precipitation_amount	mm	51.053	9.247	15.914	38.4	39.288	72.829	68.971	118.057	47.243	99.6	49.257	103.714	713.571
LV0016R	cadmium	µg Cd /m2	4.303	1.541	4.444	8.857	10.487	3.891	4.572	8.578	3.036	4.685	3.583	4.169	62.143
	precipitation_amount	mm	31.586	16.586	17.514	43.214	75.014	96.286	62.4	103.957	40.729	74.457	63.6	53.457	638.8
PL0004R	cadmium	µg Cd /m2	2.736	0.244	1.048	2.38	1	1.5	2.913	2.364	3.864	3.928	2.29	2.132	26.377
	precipitation_amount	mm	45.6	6.1	13.1	34	24.9	37.5	97.1	78.8	48.3	98.2	32.7	53.3	569.17
SE0051R	cadmium	µg Cd /m2	2.36	3.25	3.74	2.04	6.54	2.65	1.08	12.827	6.563	6.75	4.38	4.565	56.689
	precipitation_amount	mm	59	13	34	34	218	53	27	60.562	23.438	27	109	76.091	733.477

Observed depositions of lead in precipitation at HELCOM stations, 2003

Code	Component	Units	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
DE0008R	lead	µg Pb /m2	44.01	5.145	12.053	32.753	87.5	67.61	43.602	66.171	145.45	52.95	45	28.317	641.446
	precipitation_amount	mm	29.38	4.143	11.9	16.929	65.7	46.5	57	82.714	79.114	53.63	34	42.829	523.8
DK0008R	lead	µg Pb /m2	71.9	41.654	38.168	113.01	65.2	74.52	80.676	37.488	38.629	53.82	88.8	4.801	707.248
	precipitation_amount	mm	29.96	9.27	9.611	58.276	66.9	51.86	78.798	28.481	55.213	34.13	71.9	55.187	549.835
DK0020R	lead	µg Pb /m2	56.21	20.614	37.216	53.329	55.4	70.24	41.13	56.728	72.263	137.9	104	-9999.99	705.648
	precipitation_amount	mm	31.93	10.632	10.673	22.911	29	42.25	34.9	43.271	45.531	81.45	50.9	0	403.92
EE0009R	lead	µg Pb /m2	20.85	12.76	4.8	53.17	43	26.8	48.65	51	25.8	51.6	72.2	40.8	450.951
	precipitation_amount	mm	41.7	11.6	9.6	40.9	86	53.6	97.3	102	51.6	103.2	45.1	81.6	723.323
EE0011R	lead	µg Pb /m2	2.7	4	12.69	23.16	21.3	12.25	8.65	42.2	54.6	16.55	32.7	40.35	270.616
	precipitation_amount	mm	5.4	8	4.7	19.3	42.5	24.5	17.3	84.4	26	33.1	65.3	80.7	410.332

Code	Component	Units	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
F0009R	lead	µg Pb /m2	112.7	-9999.99	-9999.99	41.567	92.9	47.75	13.77	23.936	54.4	54.8	174	82.68	698.264
	precipitation_amount	mm	11.5	0	0.2	19.7	48.9	27.6	8.5	54.4	12.8	10.3	49	52	294.481
F0017R	lead	µg Pb /m2	44.25	33.525	-9999.99	30.525	64.9	44.98	33.12	53.84	121.55	82.28	163	124.968	795.483
	precipitation_amount	mm	14.7	14.9	0	16.5	60.1	52.3	36	134.8	44.2	65.3	52.1	49.2	539.503
F0053R	lead	µg Pb /m2	45.16	12.53	44.992	31.255	64	1.6	24.07	18.054	92.843	34.27	54.5	33.129	456.143
	precipitation_amount	mm	33.7	3.5	6.4	3.5	46.7	2	41.5	35.4	40.9	35.7	28.4	8.1	285.735
LT0015R	lead	µg Pb /m2	195.7	107.767	80.417	245.46	131	559.2	330.76	144.523	128.41	272.7	129	97.354	2668.051
	precipitation_amount	mm	55.74	48.529	51.729	50.4	32.8	62.17	38.914	98.043	49.457	160.4	34.8	58.886	743.167
LV0010R	lead	µg Pb /m2	64.84	29.452	30.253	108.26	122	134.3	141.45	203.719	79.393	176.2	114	158.368	1363.782
	precipitation_amount	mm	51.05	9.247	15.914	38.4	39.3	72.83	68.971	118.057	47.243	99.6	49.3	103.714	713.571
LV0016R	lead	µg Pb /m2	26.24	13.026	39.569	72.126	101	93.13	82.21	91.949	24.248	61.67	452	243.386	1298.308
	precipitation_amount	mm	31.59	16.566	17.514	43.214	75	56.29	62.4	103.957	40.729	74.46	63.6	53.457	638.8
PL0004R	lead	µg Pb /m2	52.44	10.126	25.545	43.18	36.9	22.89	53.405	86.68	71.484	110	54.3	49.569	616.022
	precipitation_amount	mm	45.6	6.1	13.1	34	24.9	37.5	97.1	78.8	48.3	96.2	32.7	53.3	569.17
SE0051R	lead	µg Pb /m2	106.8	82.03	93.5	37.4	310	96.46	41.31	58.206	32.344	29.16	106	105.766	1097.403
	precipitation_amount	mm	59	13	34	34	218	53	27	60.562	23.438	27	109	76.091	733.477



