

## Estimation of heavy metals yearly loads (kg) into Lake Ontario from the Canadian part of its watershed (23 500 km<sup>2</sup>)

<b>Urbanized areas</b>	Flow, m <sup>3</sup> /s,	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury
Total	65	2038	815	5911	13656	15287	49
Base	29	917	183	2018	4128	4770	18
Inter	13	450	506	1240	2216	1964	20
Storm (K=3)	23	671	126	2653	7313	8553	10
<b>Agricultural areas</b>	Flow, m <sup>3</sup> /s,	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury
Total	155	5381	978	4892	11740	25438	49
Base	70	2642	440	1541	4183	11667	22
Inter	31	596	125	1414	3011	3064	10
Storm (K=3)	54	2144	414	1937	4547	10706	17
<b>Natural areas</b>	Flow, m <sup>3</sup> /s,	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury
Total	39	703	13	391	813	3913	8
Base	17	495	9	275	605	2752	6
Inter	8	122	2	73	122	734	1
Storm (K=3)	14	86	2	43	86	428	1
<b>Total, kg</b>	Flow, m <sup>3</sup> /s,	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury
Total	259	8123	1807	11194	26210	44638	105
Base	116	4054	633	3834	8915	19188	46
Inter	52	1168	633	2727	5349	5762	31
Storm (K=3)	90	2900	541	4633	11946	19688	28
Modul, kg/year.km <sup>2</sup>		Arsenic	Cadmium	Chromium	Copper	Lead	Mercury
Total concentration, µg/L		0.346	0.077	0.476	1.115	1.899	0.004
		1.00	0.22	1.37	3.21	5.48	0.013