

Table VIII-12. Average deposition rates of ions into the Mississippi river basin from rainwater during the year 1987; river fluxes of ions from the Mississippi river basin (1987 and 1905); and various pollution inputs. All in unit of meq/m²yr, except SiO₂ and H₃PO₄ in mmol/m²yr. Values in parentheses are percent contributions from seasalt input (Li, 1992).

	Rain	Mississippi River		Net Δ =(b)-(c)	Fossil fuel input	Common salt input	CaCO ₃ input	Silicate input	Rest Δ-Σinput
	1987(a)	1987(b)	1905(c)						
H ⁺	17.0				75		-58	-17	0
NH ₄ ⁺	12.4								
Na ⁺	3.0(100)	199(1.8)	85(4.1)	114		91		17	6
K ⁺	0.6(11)	15(.5)	13(.6)	2					2
Ca ⁺²	7.2(1.8)	358(.04)	300(.05)	58			58		0
Mg ⁺²	1.8(38)	188(.4)	130(.6)	58			58		0
Cl ⁻	3.5(100)	143(2.9)	51(8)	92	1	91			0
SO ₄ ⁻²	25(1.4)	206(.2)	132(.6) ^a	74	74				0
HCO ₃ ⁻	~ 0	398	337	61			58		3
NO ₃ ⁻	13.5	13	8	5	90 ^b				-85
SiO ₂		20	22						
H ₃ PO ₄		1.8							
Σ [±]	42	760	528	232					

a: Sulfate is obtained by charge balance. b: as NO_x + NH₃. Σ[±] = the total charge of cations or anions.