

TABLE I. Estimates of Annual Fluxes (TG/year) of Environmental Sulfur\*

Source of sulfur	Flux number in Figure 2-1	Eriksson (1960, 1963)	Robinson and Robbins (1968, 1970)	Kellogg et al. (1972)	Friend (1973)	Granat et al. (1976)
Biological decay (land)	1	110	68	90	58	5
Biological decay (ocean)	2	170	30		48	27
Volcanic activity	3	---	---	1.5	2	3
Sea spray (total)	4	45	44	47	44	44
To ocean	4 <sub>1</sub>	(40)	---	(43)	(40)	(40)
To land	4 <sub>2</sub>	(5)	---	(4)	(4)	(4)
Anthropogenic	5	40	70	50	65	65
Precipitation (land)	6	65	70	86	86	43
Dry deposition	7	100	20	10	20	
Absorption (vegetation)	8	75	26	15	15	28
Total sulfur involved in atmospheric balance		365	212	183	217	144
Atmospheric balance						
Land -> sea		-10	+26	+5	+8	+18
Sea -> land		5	4	4	4	17
Fertilizer	11	10	11	---	26	---
Rock weathering	12	15	14	---	26	---
Pedosphere -> river runoff	13	55	48	---	89	---
Total river runoff	14	80	73	---	136	122

Note: the numbers in parentheses for sub-pathways 4<sub>1</sub> and 4<sub>2</sub> are estimates of the decomposition of the total pathway 4.

\*Sources: as cited in each column and, in part, Friend (1973, Table 4).