

Table 3. Estimated loads and yields of selected chemicals in water from Rattlesnake Creek near Zenith, Kansas, 1999 and 2000

[All loads are expressed in pounds per year, and all yields are expressed in pounds per acre per year]

Chemical	Estimated load		Estimated yield	
	1999	2000	1999	2000
Physical properties, solids, and sediment				
Alkalinity	20,200,000	19,000,000	30.1	28.3
Dissolved solids	170,000,000	151,000,000	254	225
Total suspended solids (<i>TSS</i>)	8,660,000	10,000,000	12.9	15.0
Suspended sediment (<i>SSC</i>)	17,500,000	21,300,000	26.1	31.8
Major ions				
Sodium	51,200,000	45,000,000	76.4	67.1
Chloride	82,000,000	71,500,000	122	107
Fluoride	47,400	42,900	.071	.0640
Sulfate	9,650,000	8,580,000	14.4	12.8
Nutrients				
Nitrate	166,000	130,000	.248	.194
Total organic nitrogen	93,100	92,000	.139	.137
Total phosphorus	17,900	19,300	.0267	.0289