

X2H036Q01: SODIUM @ Komatipoort Kruger National Park on Komati River... 1998-01-01 to 2007-12-31

Flow data: /hri/db/iwqs/db/flow/x2h036q01	Year	n Obs	Mean m3/d	Method1	Method 4
Chem data: /hri/db/wmrq/wmdata/wq/MACRO080815.dat	1998	38	1883412	15563186	22644151
3592 loads calculated: Log flow range = 3.01 to 7.68	1999	35	3527588	24320502	37186346
Method 1: $\text{Sum}(q^*c)/n = 127908 \text{ kg SODIUM/ day}$	2000	31	2333672	188088518	165563305
Method 2: $(q_avg*c_sum)/n = 86719 \text{ kg SODIUM/ day}$	2001	51	15374061	157229564	119051864
Method 3: $(q_avg*\text{Sum}(q^*c))/n = 55140 \text{ kg SODIUM/ day}$	2002	49	1487250	14513229	18788186
Regression: $\log c = (-0.21 * \log q) + (2.8)$ $r^2 = 0.31$	2003	48	235037	7325194	4370457
Method 4: $(\text{Sum}(q^*c)/n) * (n^*q_avg/\text{Sum}(q))^{(\text{slope}+1)} = 65771 \text{ kg SODIUM/ day}$	2004	49	1087331	13684065	14667774
	2005	39	276358	4126381	4967351
	2006	25	3879043	37263860	40085521
	2007	24	484103	8376137	7737062

