

X1H003Q01: SODIUM At Tonga on Komati River... 1998-01-01 to 2007-12-31

Flow data: /hri/db/wqs/db/flow/x1h003a01	Year	n Obs	Mean m3/d	Method1	Method 4
Chem data: /hri/db/wmq/wmdata/wq/MACRO080815.dat	1998	38	1249746	9390254	8189669
3606 loads calculated: Log flow range = 1.93 to 7.77	1999	42	1331656	7798888	8491013
Method 1: $\text{Sum}(q^*c)/n = 20784 \text{ kg SODIUM/day}$	2000	43	5377321	21294530	18792933
Method 2: $(q_avg*c_sum)/n = 55468 \text{ kg SODIUM/day}$	2001	50	1473711	8540769	8995306
Method 3: $(q_avg*\text{Sum}(q*c))/n = 25166 \text{ kg SODIUM/day}$	2002	15	71684	2809971	1609382
Regression: $\log c = (-0.431 * \log q) + 3.897$ $r^2 = 0.64$	2003	9	87151	4390644	1798694
Method 4: $(\text{Sum}(q*c)/n) * (n * q_avg / \text{Sum}(q))^{(\text{slope} + 1)} = 23175 \text{ kg SODIUM/day}$	2004	36	317768	2370849	3756259
	2005	37	157125	2609133	2515686
	2006	24	955834	7534651	7030547
	2007	23	272337	3660056	3440466

