

D1H003Q01: SODIUM Orange River at Aliwal North... 1998-01-01 to 2007-12-31

Flow data: /hri/db/iwqs/db/flow/d1h003a01	Year	n Obs	Mean m3/d	Method1	Method 4
Chem data: /hri/db/wmrq/wmdata/wq/MACRO080815.dat	1998	54	17597377	28888425	24136331
3363 loads calculated: Log flow range = 3.93 to 8.40	1999	44	4762318	9047501	28708026
Method 1: $\text{Sum}(q^*c)/n = 68123 \text{ kg SODIUM/ day}$	2000	19	16307804	28535738	24381350
Method 2: $(q_avg * c_sum)/n = 76528 \text{ kg SODIUM/ day}$	2001	5	24548166	92313555	23093232
Method 3: $(q_avg * \text{Sum}(q^*c))/n = 68028 \text{ kg SODIUM/ day}$	2002	17	18695982	30956321	23943125
Regression: $\log c = -1.133 * \log q + (8.338) r^2 = 0.29$	2003	8	5212677	9262853	28365820
Method 4: $(\text{Sum}(q^*c)/n) * (n^*q_avg/\text{Sum}(q))^{(\text{slope}+1)} = 68135 \text{ kg SODIUM/ day}$	2004	2	8259435	17080641	26685006
	2005	4	5658202	23400853	28058755
	2006	18	26239285	40081014	22889954
	2007	5	6627491	16342957	27476086

