

G1H036Q01: SODIUM At Vleesbank Hermon Bridge on Bergrivier... 1998-01-01 to 2007-12-31

Flow data: /hri/db/iwqs/db/flow/g1h036q01	Year	n Obs	Mean m3/d	Method1	Method 4
Chem data: /hri/db/wmrq/wmdata/wq/MACRO080815.dat	1998	41	849603	8176193	6614438
3634 loads calculated: Log flow range = 2.41 to 7.32	1999	42	1005159	7457012	7968011
Method 1: $\text{Sum}(q^*c)/n = 18430 \text{ kg SODIUM/ day}$	2000	44	567462	3659606	4230573
Method 2: $(q_avg*c_sum)/n = 18197 \text{ kg SODIUM/ day}$	2001	20	1593599	9682331	13273280
Method 3: $(q_avg*\text{Sum}(q^*c))/n = 18645 \text{ kg SODIUM/ day}$	2002	21	961213	7702218	7583168
Regression: $\log c = (0.107 * \log q) + (0.773)$ $r^2 = 0.21$	2003	25	431552	2918113	3124152
Method 4: $(\text{Sum}(q^*c)/n) * (n * q_avg / \text{Sum}(q))^{(\text{slope} + 1)} = 18669 \text{ kg SODIUM/ day}$	2004	26	457863	2950699	3335752
	2005	25	896996	4345109	7024224
	2006	26	820887	6962973	6367335
	2007	25	1125043	11508080	9026870

