

C2H018Q01: PO4(P) Vaal River at De Vaal/Schoemansdrift... 1998-01-01 to 2007-12-31

Flow data: /hri/db/iwqs/db/flow/c2h018a01	Year	n Obs	Mean m3/d	Method1	Method 4
Chem data: /hri/db/wmrq/wmdata/wq/MACRO080815.dat	1998	51	4889201	270725	302120
3640 loads calculated: Log flow range = 5.55 to 8.32	1999	53	2501296	137176	160316
Method 1: $\text{Sum}(q^*c)/n = 824 \text{ kg PO4(P)/ day}$	2000	49	17719020	617444	1020682
Method 2: $(q_avg*c_sum)/n = 1179 \text{ kg PO4(P)/ day}$	2001	51	3276105	266737	206909
Method 3: $(q_avg*\text{Sum}(q*c))/n = 846 \text{ kg PO4(P)/ day}$	2002	52	3793925	166849	237704
Regression: $\log c = (-0.055 * \log q) + (-0.139)$ $r^2 = 0$	2003	52	1177189	121138	78615
Method 4: $(\text{Sum}(q^*c)/n) * (n^*q_avg/\text{Sum}(q))^{(\text{slope}+1)} = 845 \text{ kg PO4(P)/ day}$	2004	52	1978206	244244	128422
	2005	51	2246407	152314	144826
	2006	50	9999648	606408	594268
	2007	51	1849865	235273	120530

