

C2H122Q01: TP Vaal Dam on Vaal River: Down Stream Weir... 1998-01-01 to 2007-12-31

Flow data: /hri/db/wqs/db/flow/c2h122a01	Year	n Obs	Mean m3/d	Method1	Method 4
Chem data: /hri/db/wmrq/wmdata/wq/MACRO080815.dat	1998	49	3488814	94258	122699
3565 loads calculated: Log flow range = 5.73 to 8.08	1999	45	1933088	27794	60976
Method 1: $\text{Sum}(q^*c)/n = 366 \text{ kg TP/ day}$	2000	23	13720168	520736	621043
Method 2: $(q_avg * c_sum)/n = 326 \text{ kg TP/ day}$	2001	23	2086524	129096	66749
Method 3: $(q_avg * \text{Sum}(q^*c))/n = 365 \text{ kg TP/ day}$	2002	25	2271901	50756	73828
Regression: $\log c = (0.184 * \log q) + (-2.368)$ $r^2 = 0.03$	2003	26	1049649	28364	29585
Method 4: $(\text{Sum}(q^*c)/n) * (n * q_avg / \text{Sum}(q))^{(\text{slope}+1)} = 365 \text{ kg TP/ day}$	2004	23	1513441	49217	45633
	2005	25	1737323	78078	53733
	2006	26	7650357	354671	310951
	2007	19	1493039	38877	44906

