

# C2H122Q01: PO4(P) Vaal Dam on Vaal River: Down Stream Weir... 1998-01-01 to 2007-12-31

Flow data: /hri/db/iwqs/db/flow/c2h122a01	Year	n Obs	Mean m3/d	Method1	Method 4
Chem data: /hri/db/wmrq/wmdata/wq/MACRO080815.dat	1998	49	3488814	44828	68095
3570 loads calculated: Log flow range = 5.73 to 8.08	1999	50	1933088	16839	53400
Method 1: $\text{Sum}(q^*c)/n = 192 \text{ kg PO4(P)/ day}$	2000	42	13720168	284807	119661
Method 2: $(q\_avg*c\_sum)/n = 195 \text{ kg PO4(P)/ day}$	2001	46	2086524	44389	55106
Method 3: $(q\_avg*\text{Sum}(q*c))/n = 192 \text{ kg PO4(P)/ day}$	2002	48	2271901	28217	57071
Regression: $\log c = (-0.588 * \log q) + (2.155) \quad r^2 = 0.07$	2003	53	1049649	18426	41529
Method 4: $(\text{Sum}(q^*c)/n)^{(n^*q\_avg/\text{Sum}(q))^{(\text{slope}+1)}} = 192 \text{ kg PO4(P)/ day}$	2004	51	1513441	27835	48282
	2005	51	1737323	39439	51103
	2006	49	7650357	162181	94083
	2007	43	1493039	25553	48013

