

# D1H009Q01: PO4(P) Orange River at Oranjedraai... 1998-01-01 to 2007-12-31

Flow data: /hri/db/wqs/db/flow/d1h009q01	Year	n Obs	Mean m3/d	Method1	Method 4
Chem data: /hri/db/wmq/wmdata/wq/MACRO080815.dat	1998	26	13187996	232784	325902
3620 loads calculated: Log flow range = 4.76 to 8.38	1999	23	4685734	36564	85367
Method 1: $\text{Sum}(q^*c)/n = 653 \text{ kg PO4(P)/ day}$	2000	23	12111298	181089	291879
Method 2: $(q\_avg * c\_sum)/n = 529 \text{ kg PO4(P)/ day}$	2001	39	18265482	1539977	496836
Method 3: $(q\_avg * \text{Sum}(q^*c))/n = 654 \text{ kg PO4(P)/ day}$	2002	19	15264645	317929	393827
Regression: $\log c = (0.295 * \log q) + (-3.164) \quad r^2 = 0.37$	2003	8	5176476	117506	97116
Method 4: $(\text{Sum}(q^*c)/n) * (n^*q\_avg/\text{Sum}(q))^{(\text{slope}+1)} = 655 \text{ kg PO4(P)/ day}$	2004	2	6685253	7560	135238
	2005	7	5384096	195504	102188
	2006	19	19327933	224723	534566
	2007	20	3361333	129908	55529

