

# D1H003Q01: PO4(P) Orange River at Aliwal North... 1998-01-01 to 2007-12-31

Flow data: /hri/db/iwqs/db/flow/d1h003a01	Year	n Obs	Mean m3/d	Method1	Method 4
Chem data: /hri/db/wmrq/wmdata/wq/MACRO080815.dat	1998	54	17597377	155753	163609
3363 loads calculated: Log flow range = 3.93 to 8.40	1999	44	4762318	77856	434500
Method 1: $\text{Sum}(q^*c)/n = 532 \text{ kg PO4(P)/ day}$	2000	19	16307804	366360	173184
Method 2: $(q\_avg*c\_sum)/n = 584 \text{ kg PO4(P)/ day}$	2001	5	24548166	1045388	127577
Method 3: $(q\_avg*\text{Sum}(q^*c))/n = 531 \text{ kg PO4(P)/ day}$	2002	17	18695982	198333	156370
Regression: $\log c = (-1.747 * \log q) + (10.425)$ $r^2 = 0.27$	2003	8	5212677	85469	406130
Method 4: $(\text{Sum}(q^*c)/n) * (n * q\_avg / \text{Sum}(q))^{(\text{slope} + 1)} = 532 \text{ kg PO4(P)/ day}$	2004	2	8259435	43386	287932
	2005	4	5658202	105797	381987
	2006	18	26239285	309616	121381
	2007	5	6627491	436107	339415

