

V5H002Q01: SODIUM At Mandini on Tugela River... 1998-01-01 to 2007-12-31

Flow data: /hri/db/iwqs/db/flow/v5h002a01	Year	n Obs	Mean m3/d	Method1	Method 4
Chem data: /hri/db/wmrq/wmdata/wq/MACRO080815.dat	1998	4	5331926	94138605	35436779
3147 loads calculated: Log flow range = 5.31 to 7.59	1999	13	13827042	43823114	61423228
Method 1: $\text{Sum}(q^*c)/n = 134760 \text{ kg SODIUM/ day}$	2000	9	11493958	50879184	55208429
Method 2: $(q_avg*c_sum)/n = 116528 \text{ kg SODIUM/ day}$	2001	14	6627310	28186984	40176693
Method 3: $(q_avg*\text{Sum}(q^*c))/n = 101729 \text{ kg SODIUM/ day}$	2002	11	4813697	21589239	33405864
Regression: $\text{log}c = (-0.423*\text{log}q) + (3.942) \quad r^2 = 0.86$	2003	13	2401769	10263874	22363175
Method 4: $(\text{Sum}(q^*c)/n) * (n * q_avg / \text{Sum}(q))^{(\text{slope}+1)} = 114571 \text{ kg SODIUM/ day}$	2004	8	4206463	19724675	30904372
	2005	9	17123630	162891562	69492313
	2006	11	13409563	36792562	60345820
	2007	3	3805156	24218153	29166562

