

C2H007Q01: SODIUM ... 1998-01-01 to 2007-12-31

Flow data: /hri/db/iwqs/db/flow/c2h007a01	Year	n Obs	Mean m3/d	Method1	Method 4
Chem data: /hri/db/wmrq/wmdata/wq/MACRO080815.dat	1998	49	5636817	87395358	70630869
3640 loads calculated: Log flow range = 5.47 to 8.21	1999	48	2408888	38279863	31352366
Method 1: $\text{Sum}(q \cdot c)/n = 173275 \text{ kg SODIUM/ day}$	2000	49	16313016	134330826	194930353
Method 2: $(q_{\text{avg}} \cdot c_{\text{sum}})/n = 297654 \text{ kg SODIUM/ day}$	2001	48	4881652	63501410	61562730
Method 3: $(q_{\text{avg}} \cdot \text{Sum}(q \cdot c))/n = 178804 \text{ kg SODIUM/ day}$	2002	50	3984337	48782954	50704621
Regression: $\log c = (-0.045 \cdot \log q) + (2.07)$ $r^2 = 0.02$	2003	52	1194340	32510045	16039561
Method 4: $(\text{Sum}(q \cdot c)/n) \cdot (n \cdot q_{\text{avg}}/\text{Sum}(q))^{(\text{slope}+1)} = 178554 \text{ kg SODIUM/ day}$	2004	52	2151946	47530164	28149671
	2005	52	2263083	43870819	29536937
	2006	49	10108851	80809997	123404499
	2007	51	2102013	47359920	27525348

