8/31

8/31/7

Yearly average Sept 1971 thru Aug 1972

average river flow 161.8 mcfs = 872×10^9 #/day =

low 89.8 mcfs = 484×10^9

high 342.6 mcfs = 1847×10^9

average effluent discharge = 10.1 #/day

$$Y = \frac{10.1 \#/day \times 10^9}{872 \times 10^9} = 0.0116 \text{ ppb}$$

Basis for rule of thumb

@ average of of 161.8 cfs

$$1 \#/day = \frac{(1 \#/day)(10^9)}{0.872 \times 10^{12}} = 1.1 \times 10^{-3} = 0.0011 \text{ ppb}$$

$$9 \#/day = \frac{(9)(10^9)}{(0.872 \times 10^{12})} = 1.0 \times 10^{-3} = 0.01 \text{ ppb}$$

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