

Oxygen Consumption Rate of Rainbow Trout

$$O_2 = KT^nW^m$$

O_2 = oxygen consumption rate in weight units of dissolved oxygen (DO) per 100 weight units of fish per day

T = water temperature in degrees F

W = average individual fish weight in lbs.

for $T > 50$: $K = 3.05 \times 10^{-4}$, $n = 1.855$, $m = -0.138$

for $T' < 50$: $K = 1.90 \times 10^{-6}$, $n = 3.130$, $m = -0.138$

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