Nitrox Calculations

Best Mix = PO2 / MOD

(Example 32% = .32) (Example 1.4) (Expressed as ATA Example 33' = 2)

MOD = PO2 / Best Mix

(Expressed as ATA Example 33' = 2) (Example 1.4) (Example 32% = .32)

PO2 = MOD x Best Mix

(Example 1.4) (Expressed as ATA Example 33' = 2) (Example 32% = .32)

Equivalent Air Depth

The EAD formula below is filled in using a theoretical Nitrox mix of 39% at 42 feet. Substitute your mix for .35 and your depth for 42.

$$EAD = \frac{(1 - .35) \times (42 + 33)}{.79} - 33$$

Which equals

$$EAD = \frac{(.65 \times 75)}{.79} - 33$$

Which equals

$$EAD = \frac{48.75}{.79} - 33$$

Which equals

$$EAD = 61.7 - 33$$

Which equals

$$EAD = 28.7$$

Which equals

EAD = 29