

$$\text{Area} = 8.3 \times 10^4 \text{ sq meters}$$

$$\text{Av Depth} = 10 \text{ meters}$$

$$\text{Volume} = 8.3 \times 10^5 \text{ cu m}$$

$$150 \times 500 = 75,000$$

Water contains .3 g/liter TDS

$$3 \times 10^3 \text{ g / cu meter}$$

$$3 \times 10^3 \text{ Kg / cu meter}$$

$$.3 \text{ g / 1000 g}$$

1 metric ton

1 metric ton

Lake contains $8.3 \times 3 \times 10^5 \text{ Kg}$ of TDS

$$2.5 \times 10^5 \text{ Kg}$$

250,000 metric tons

Weight of water =

1 cu meter of water weighs 1 metric ton

$8.3 \times 10^5 \text{ cu m}$ weigh 830,000 metric tons

