Darcy's Law for Calculating Ground Water Flow Volumes

Map View

LAKE

DEQ

(W)

Ground Water Gradient (I)

Cross-Section

LAKE

DEQ

(D)

Hydraulic

Conductivity

(K)
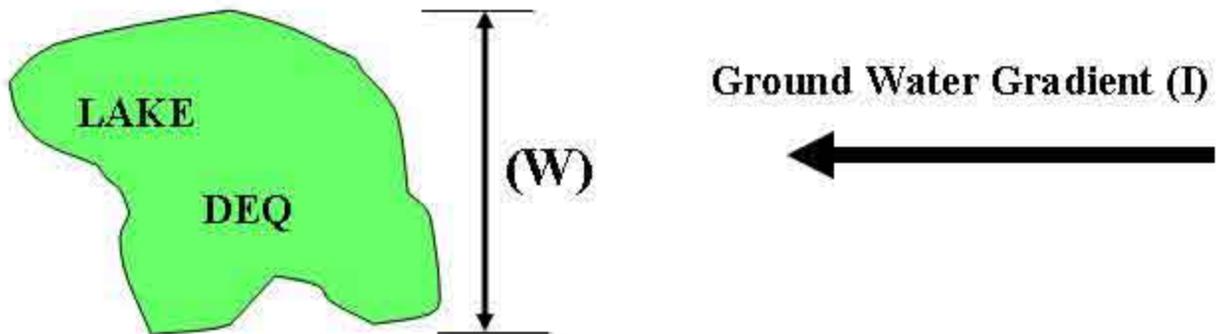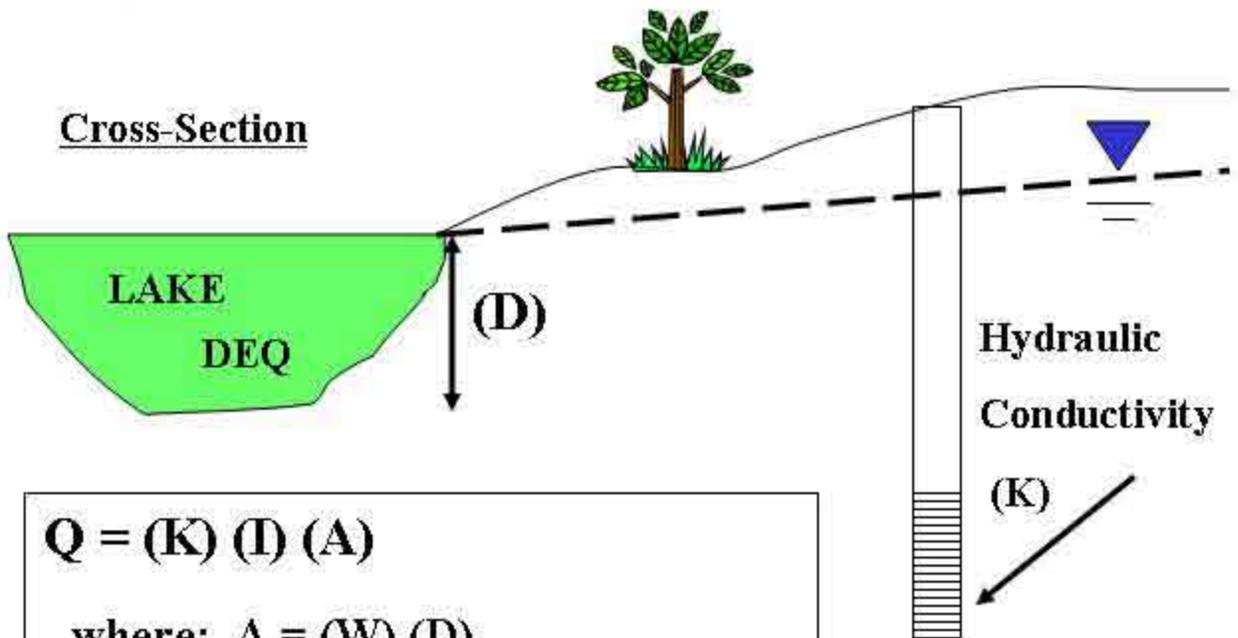
$$Q = (K)\,(I)\,(A)$$

where: $A = (W)\,(D)$

Q = ground water flow rate

therefore,

$$Q = (K)\,(I)\,(W)\,(D)$$