Governing 6	Egns.	Cont.
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2-11-20

notes

flow in Confined aguifer darcy Start from Q + Q again Consendion of mass

Ssto Ay Ax dh = d (kdh) Ay Ax 6

inflow-Golflow & reforts land

So dh = d (k dh)

 $\frac{Ss dh}{dt} = \frac{d^2h}{dx^2} K$

 $\frac{S_S}{K} \frac{Jh}{dt} = \frac{d^2h}{dx^2}$

Transmissivity: T= Kb

The volume of water moving through a unit width of an aguifer under a unit gradient

S = bSs T = Kb = > Ss = SK

$$\frac{S}{T}\frac{dh}{dt} = \frac{J^2h}{dx^2} + \frac{R}{T}$$

$$\frac{S}{T}\frac{dh}{dt} = \frac{d^2h}{dx^2} + \frac{d^2h}{dy^2} + \frac{d^2h}{dz^2} + \frac{R}{T}$$

Conf. us. Unconf. layers in MF- By default layer are convertible
- Convertible layers are confined if head > thickness
of layer and unconfined if not
- If you set layer to confined then the transmissivily
will always use to layer thickness of it wont
check if it becomes unconfined