

Hydraulics

Hydraulics

- **Hydraulics 101** – Sue
- **Dam Operation** – Jeremy/Kevin
- **Constrictions** – Jeremy/Sue
- **FOLKS study** – Mike
- **INFOS** – Professor Chin Wu/
John Reimer

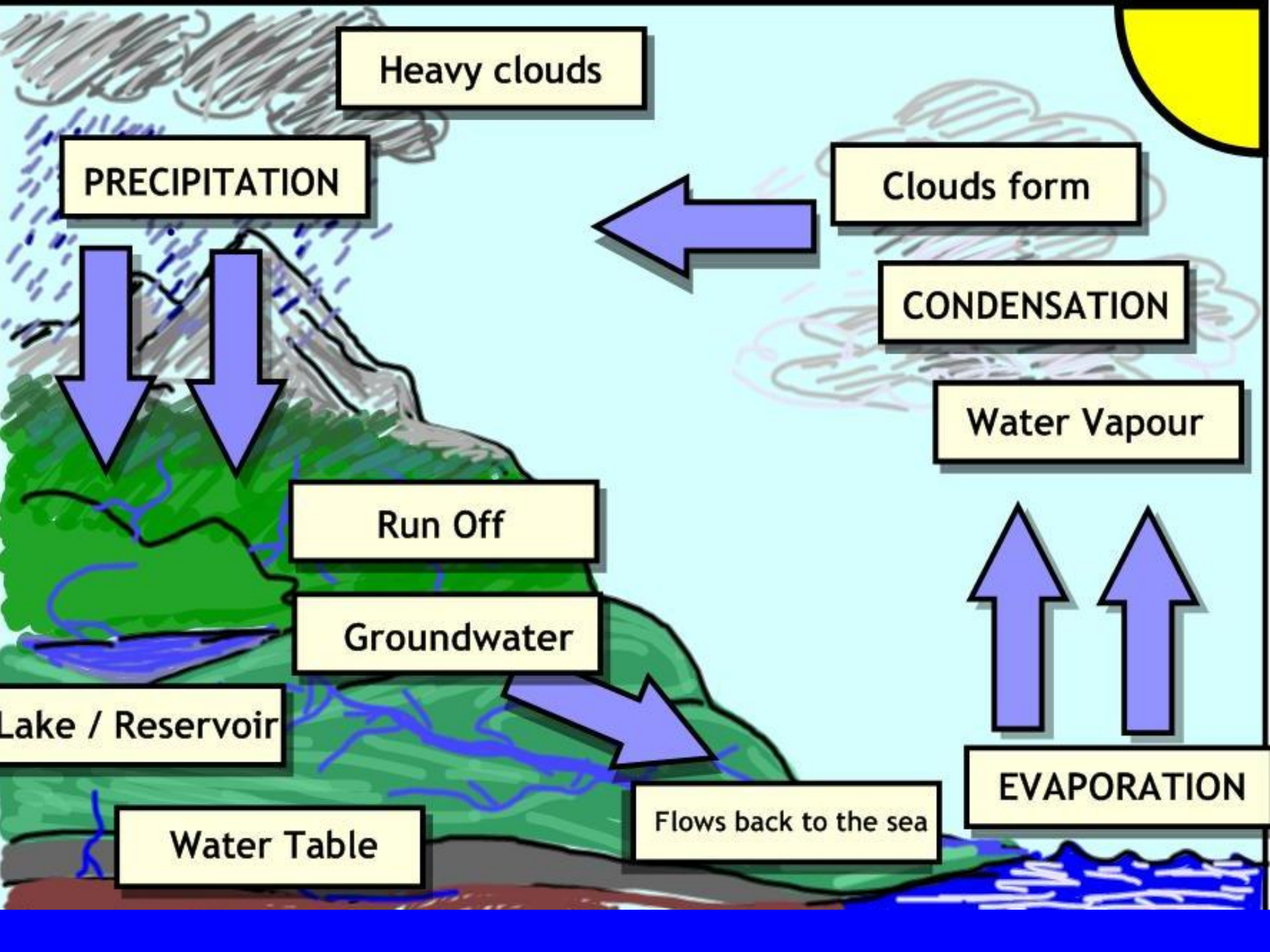
Hydrology

**Discussed Hydrology at the
May meeting**

Hydrology = How much water?

Hydrology

- Precipitation
- Groundwater infiltration
- Groundwater discharge
- Evaporation
- Impervious surfaces & Storm sewers
- Ditching and tiling
- Draining internally drained area



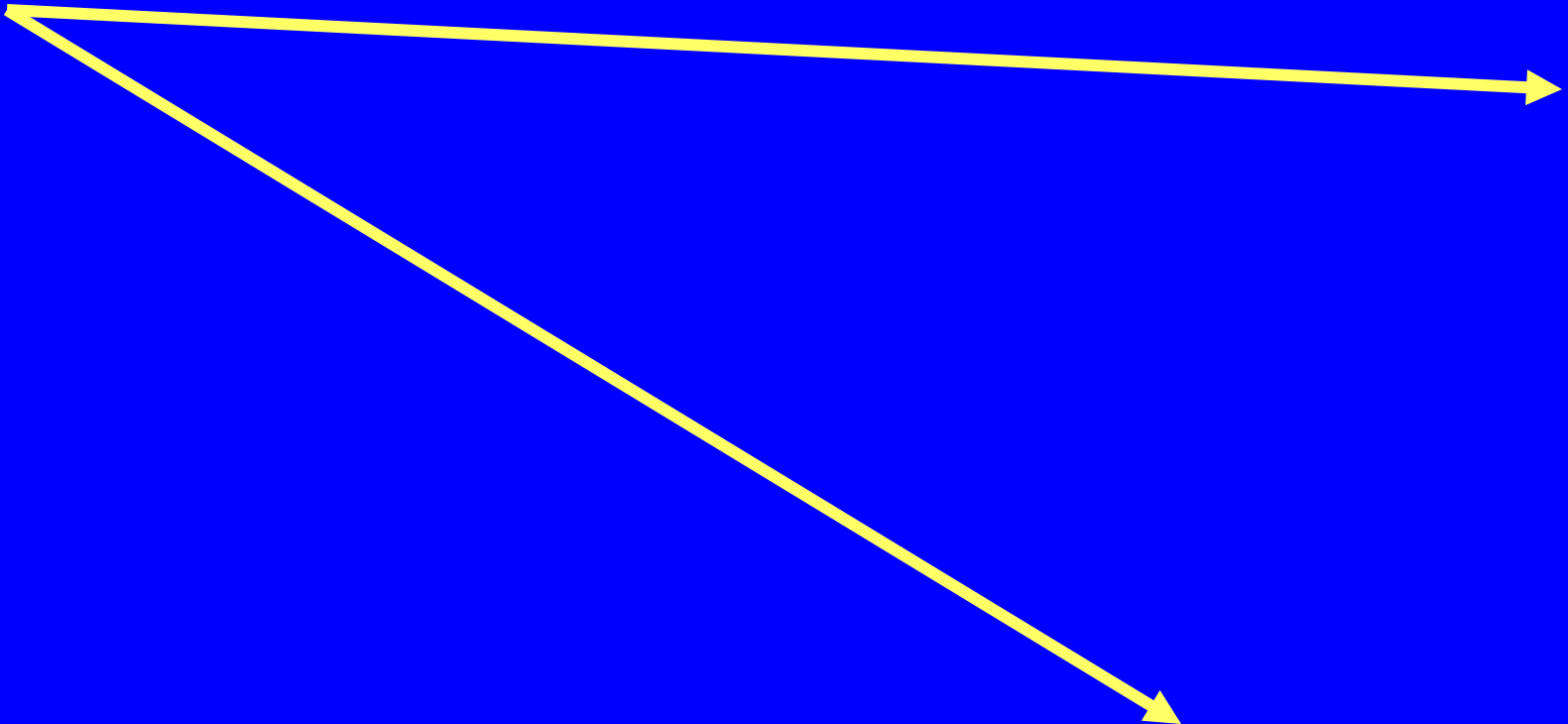
Hydraulics

Hydraulics = How water flows in the river

- **Slope**
- **Channel geometry**
- **Roughness – resistance to flow**
- **Dams and other structures**

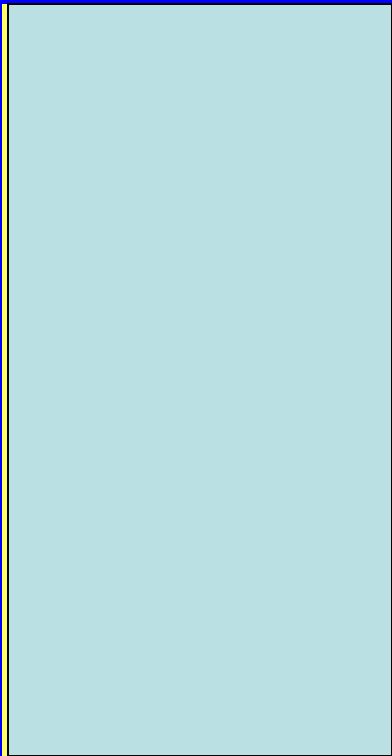
Hydraulics

- **Slope**



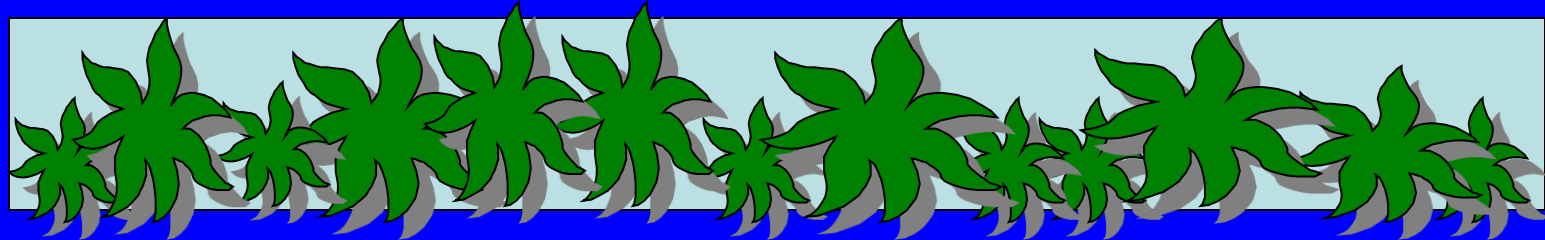
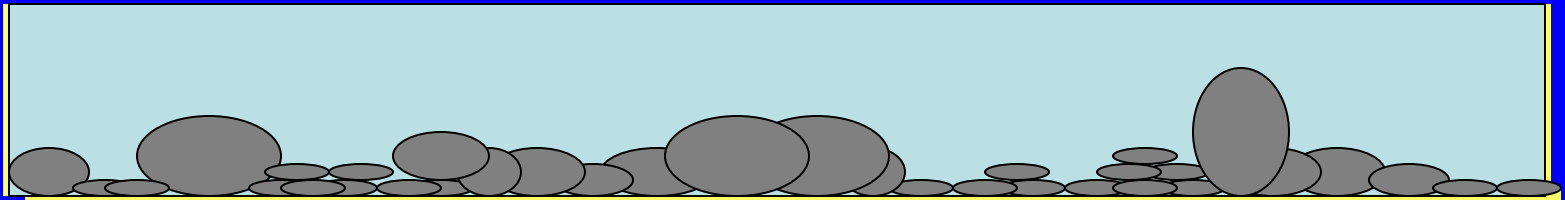
Hydraulics

- Channel (floodplain) geometry



Hydraulics

- **Roughness – resistance to flow**



Hydraulics

- Dams and other structure





05/01/2009

Hydraulics

- Submergence

