

# Proposal For Alluvial Groundwater Study

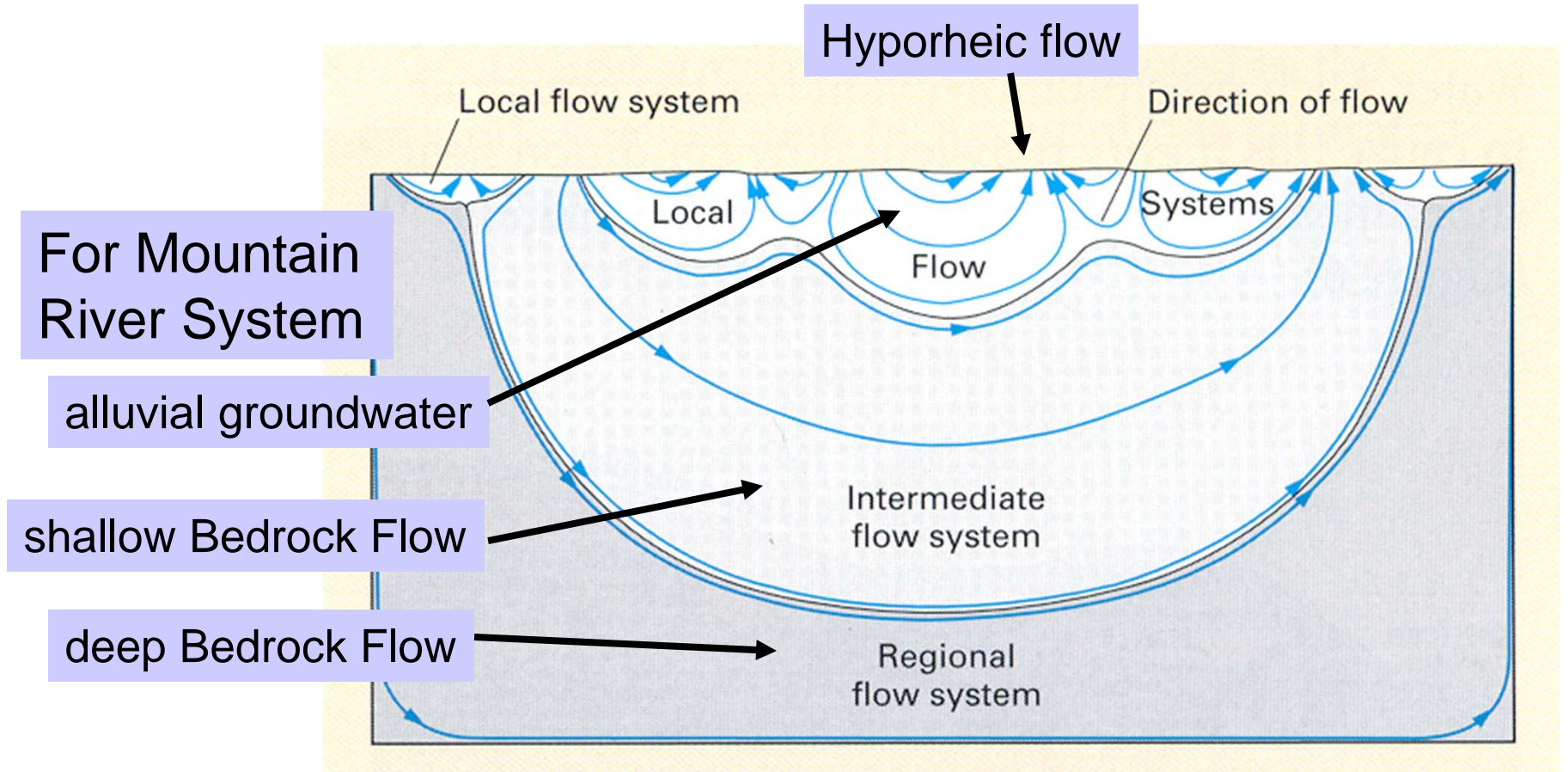
N. R. Grosso, DuPont  
South River Science Team Meeting  
August 9, 2005

Estimates for groundwater discharge to South river range from 25% to 70% of the total flow in the river

# Purpose of Discussion

- Get input from Science Team on plan
- Get input from Science Team on timing of the study (should other studies be conducted first?)
- Agree on next steps

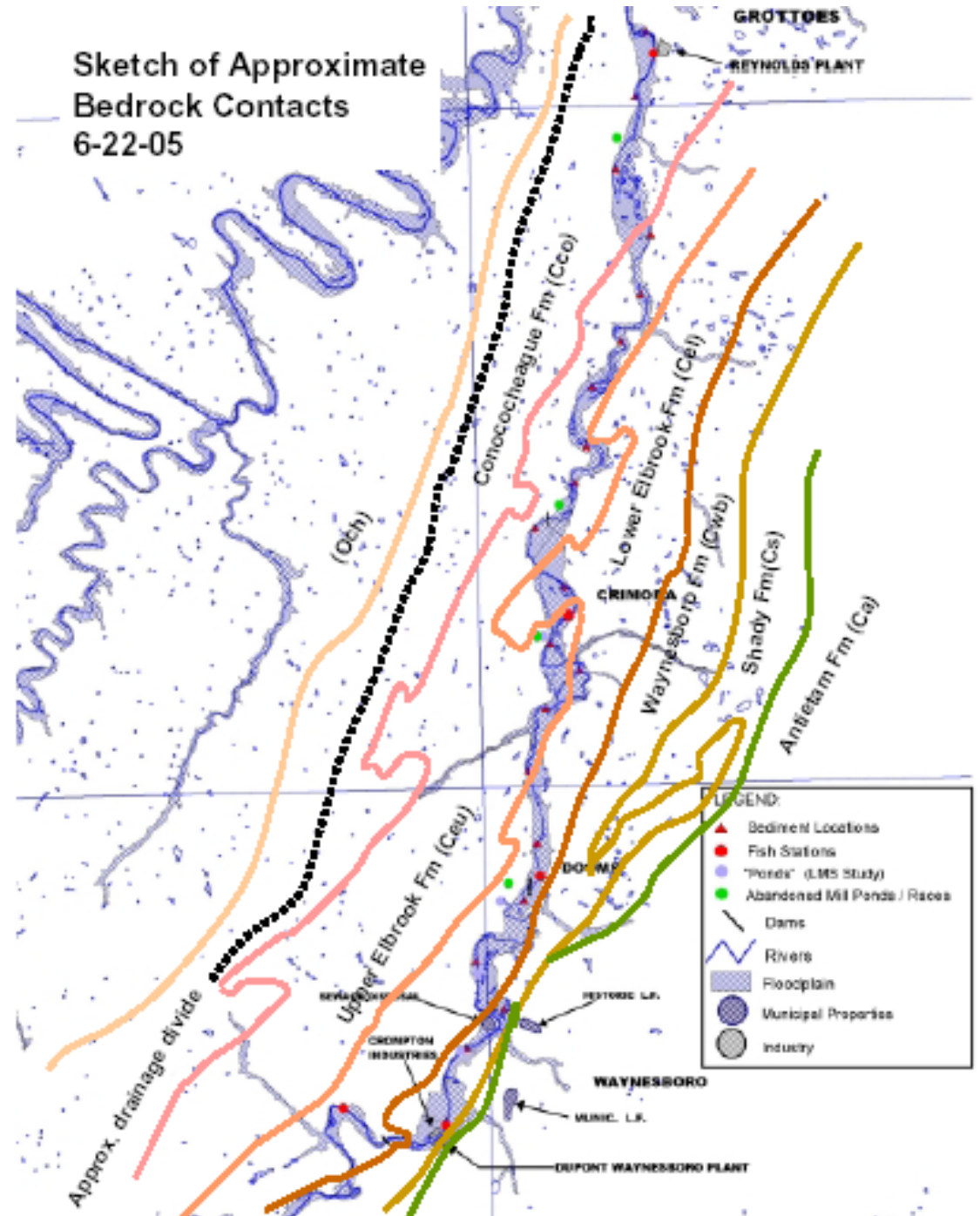
# Spatial Scales of Groundwater Flow Regimes



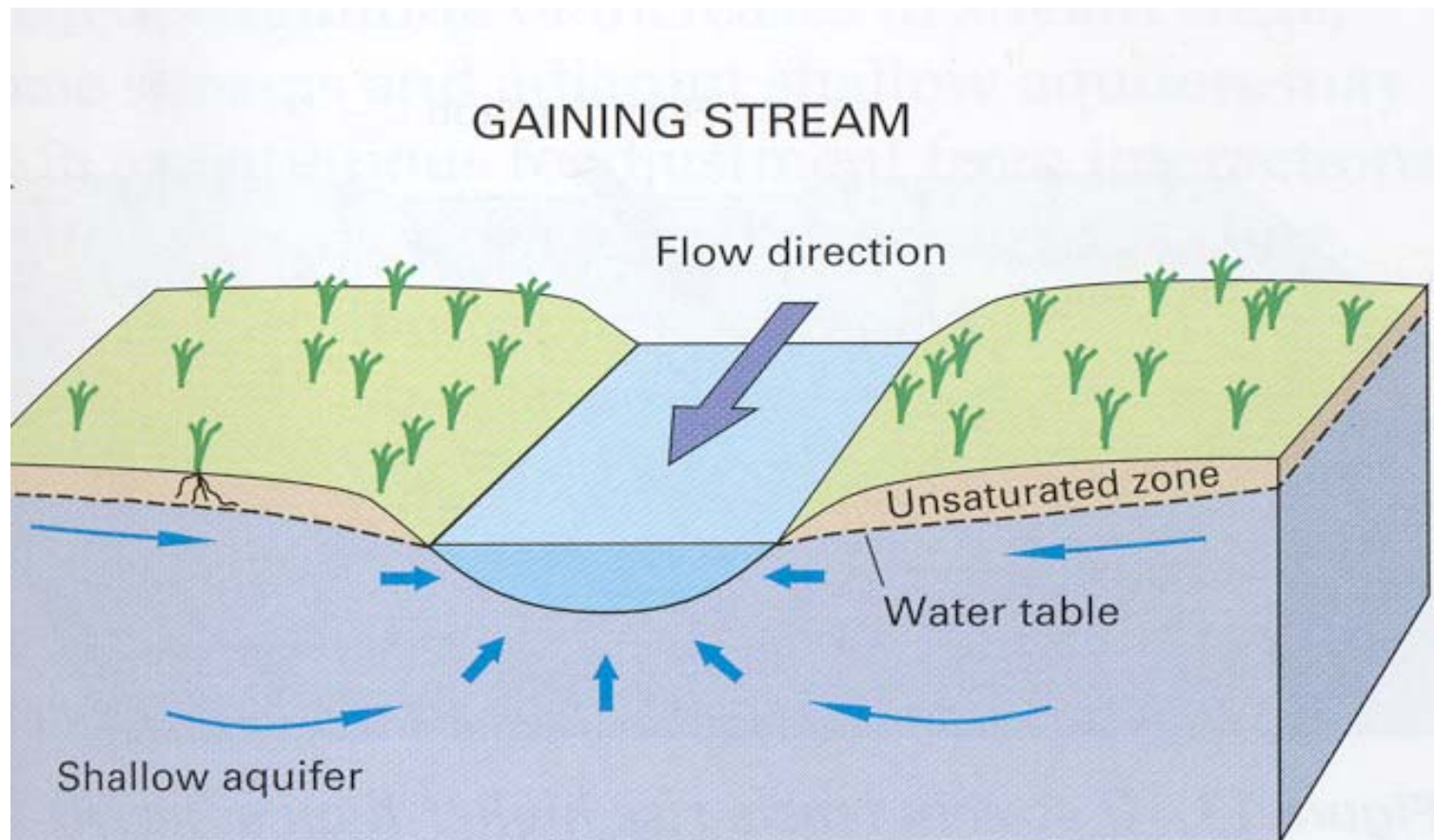
Winter et al., 1999 (mod. From Toth)

# Bedrock GW Flow Regime

Based on Gathright et. al., 1977



# Alluvial GW Flow Regime



Winter et al., 1999