Object Enhancements

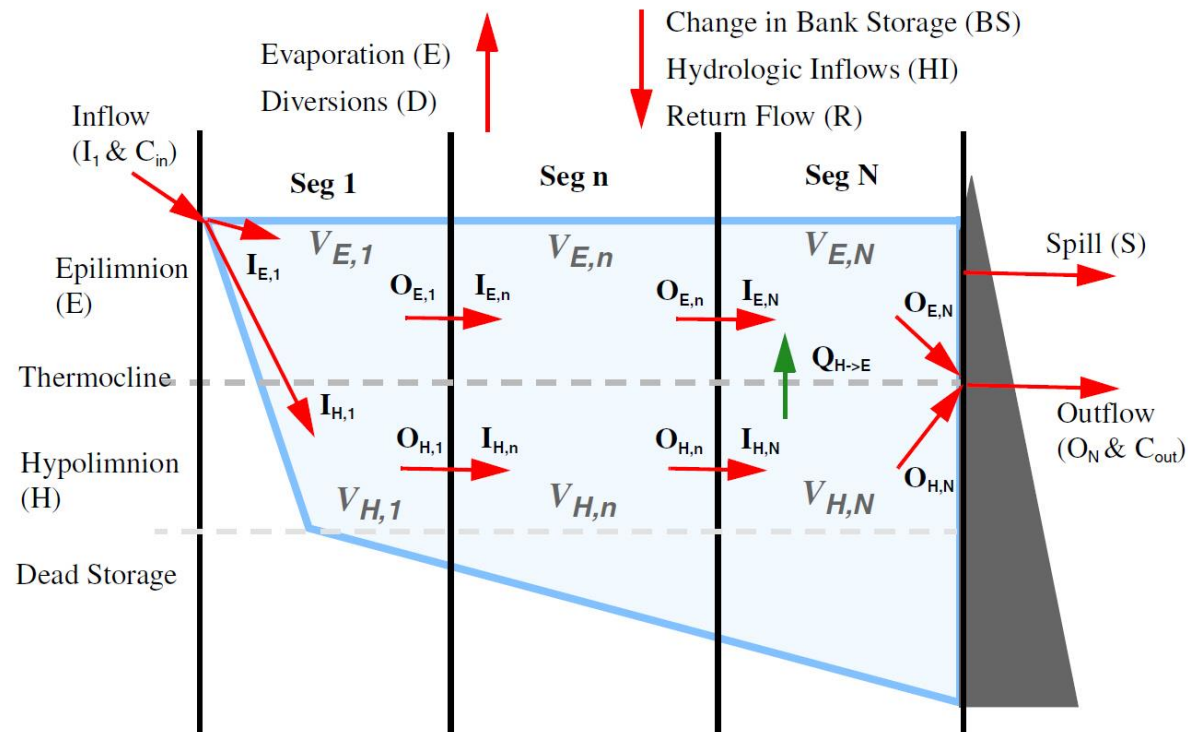Presenters: David Neumann

2016 RiverWare User Group Meeting

August 23-24, 2016

Recent Object Enhancements

- Reach: Modified Puls Routing (6.8)
- Power Reservoir: Plant Power Table with Units (6.8)
- Water User: Soil Moisture Method Improvements (6.9)
- Control Point: Routing Coeffs Methods (6.9)
- Total Dissolved Gas (TDG) methods (6.9)

Segmented 2 Layer Salinity (6.8)

- Two layers with multiple segments
- Hypolimnion has constant volume
- Vertical flow only occurs in the layer closest to the dam
- External outflows/inflows affect the epilimnion
- Diffusion in all segments

Upcoming Enhancements

- Groundwater:
  - Methods to prevent negative storage
  - Allow connections to Reservoirs via new Head based seepage
  - Specified groundwater flows – Use for boundary conditions
- Power Reservoir: Solve Given Energy and Inflow when linked to a bidirectional Canal