Comments and Responses on Draft Homolog-Specific Mass Balance Memo

SRRTTF Meeting
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Comments and Changes

• Fix typographical errors, formatting
• Clarify treatment of outliers
  – Outliers excluded in 2014 analysis; included in 2015
  – Consistent with each of the prior reports
• Reconsider use of estimated Greene St. flows for 2014
  – Greene St. flows are still used, but interpretation of results now appropriately caveated
Comments and Changes

• Scope of Work described “disaggregation” of Trent to Greene reach; but no mention of this in memo
  – Disaggregation had been conducted, but not discussed in original draft because it ended up having little effect on model results
  – Section added to draft describing disaggregation process
Disaggregation of Trent – Greene Reach

• Trent – Greene Reach contains:
  – A section where flow is lost to groundwater
  – A section where flow gained from groundwater
  – Point source discharge
Disaggregation of Trent – Greene Reach

- Original model treats reach as one well-mixed segment
  - Assumes that water leaving through groundwater outflow leaves at average segment concentration
Disaggregation of Trent – Greene Reach

• New model “disaggregates” reach into two segments
  – Assumes that water leaving through groundwater outflow leaves at concentration at the upper end of the segment

• Disaggregation had little effect on model results