

## **Supplemental Material**

### **Illinois River nitrate-N concentrations and loads:**

#### **Long-term variation and association with watershed N inputs**

Gregory F. McIsaac, Mark B. David and George Z. Gertner

Four pages (including cover page, and three figures)

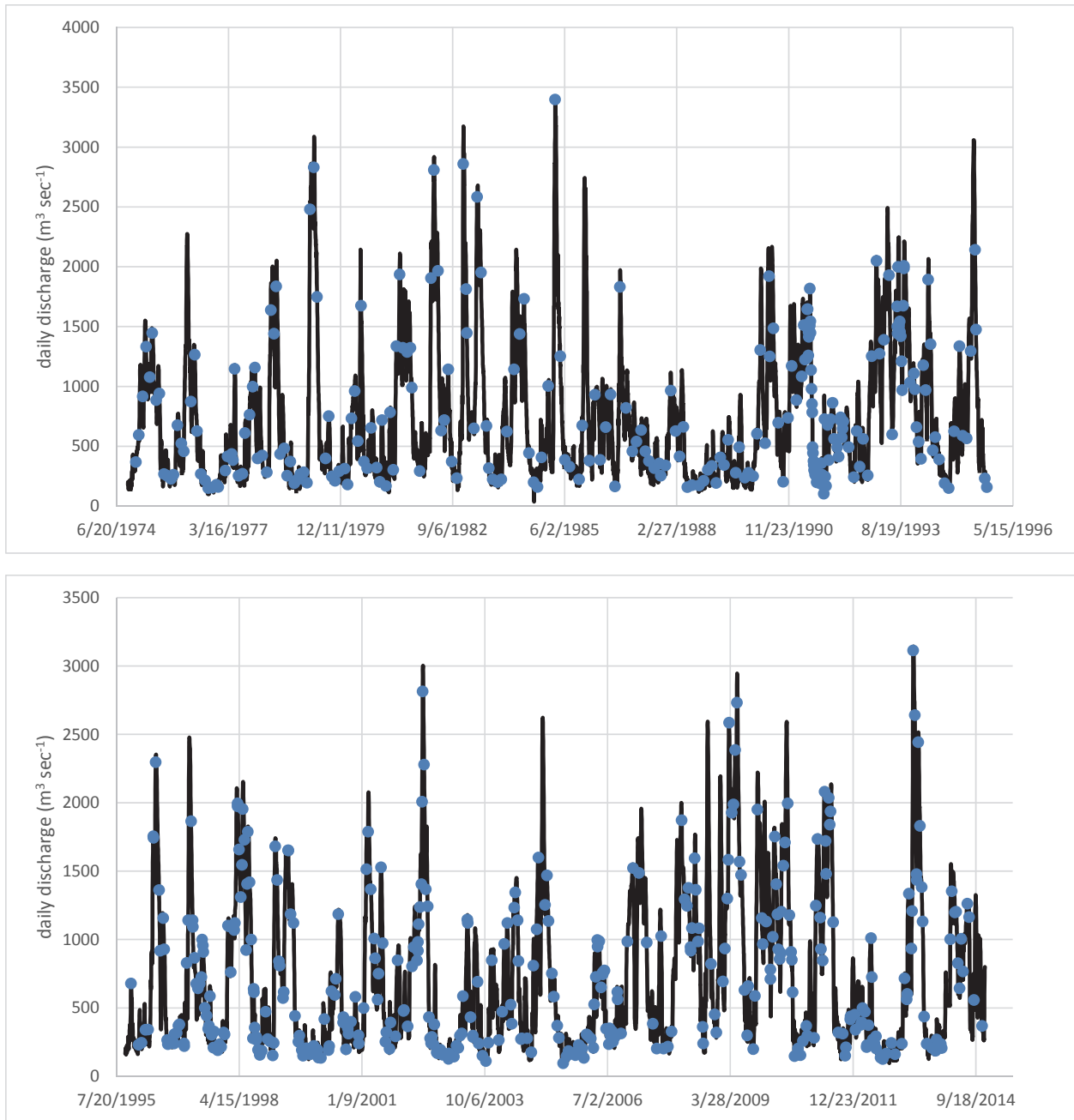


Figure S1. Daily discharge (solid line) and times of sample collection (blue dots) for the Illinois River at Valley City, Illinois.

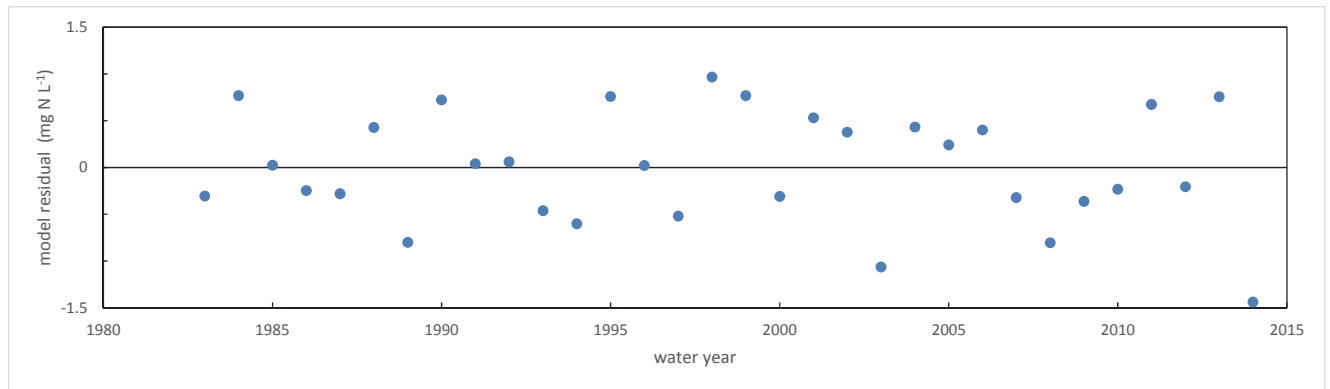
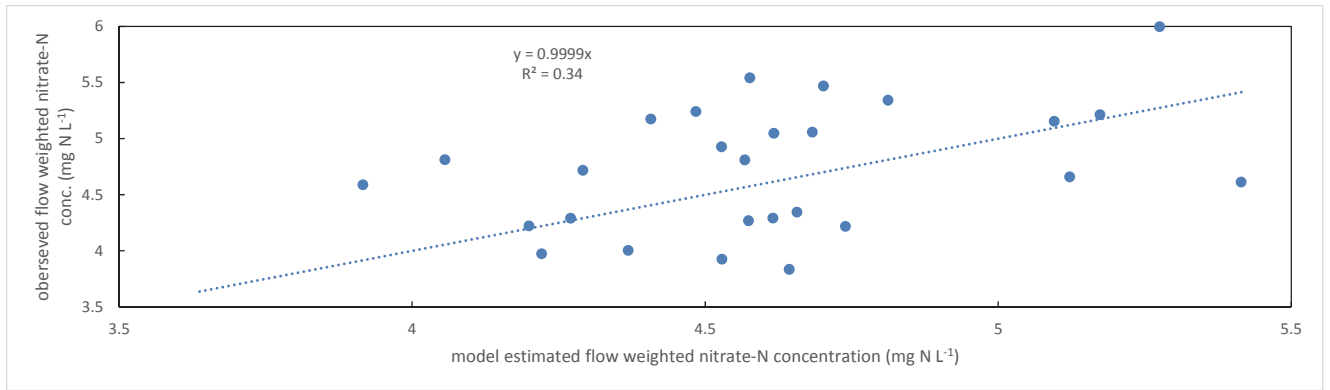


Figure S2. Observed vs. model estimated annual flow weighted nitrate-N concentrations in the Illinois River at Valley City 1983-2014 (top); model residuals (observed – model estimated) vs water year (bottom).

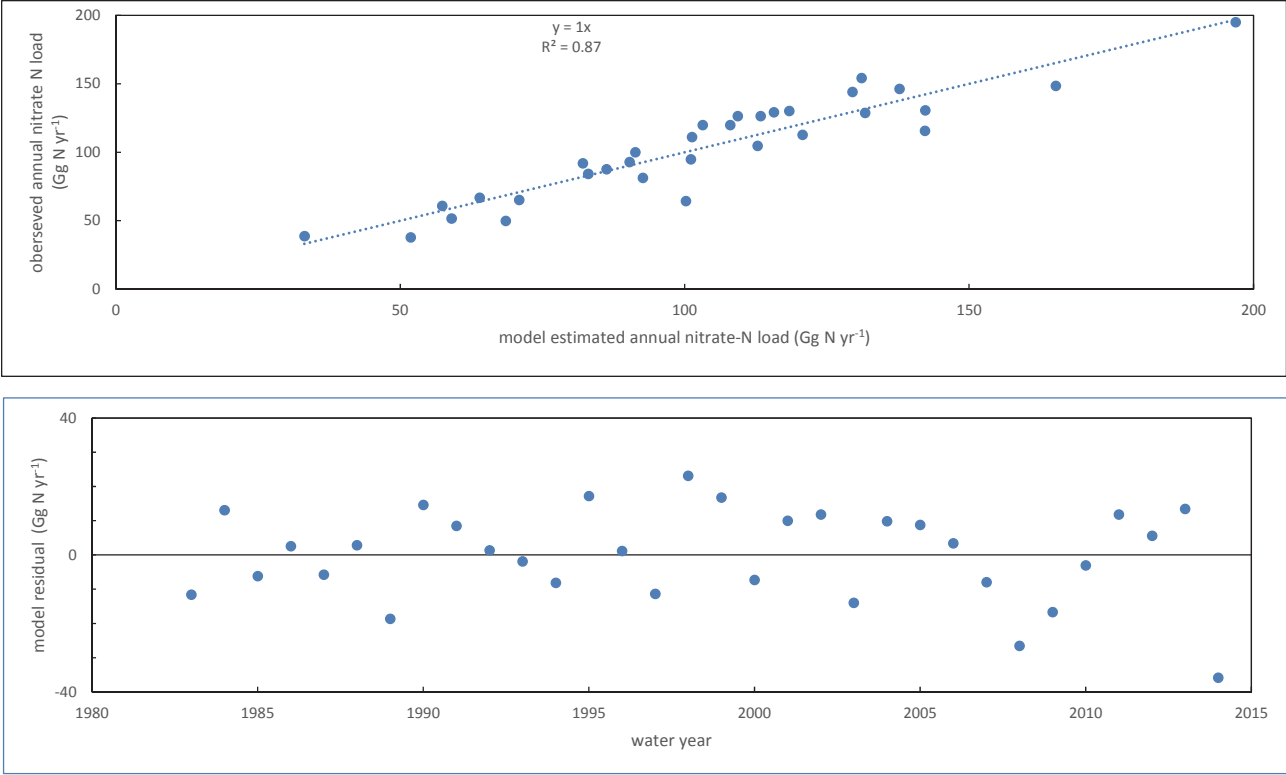


Figure S3. Observed vs. model estimated annual nitrate-N loads in the Illinois River at Valley City 1983-2014 (top); model residuals (observed – model estimated) vs water year (bottom).