

Appendix E

Graphs of Flow vs. Nitrate Concentration (After the Effect of Time is Removed) for Rainbow River System District Water Quality Monitoring Sites

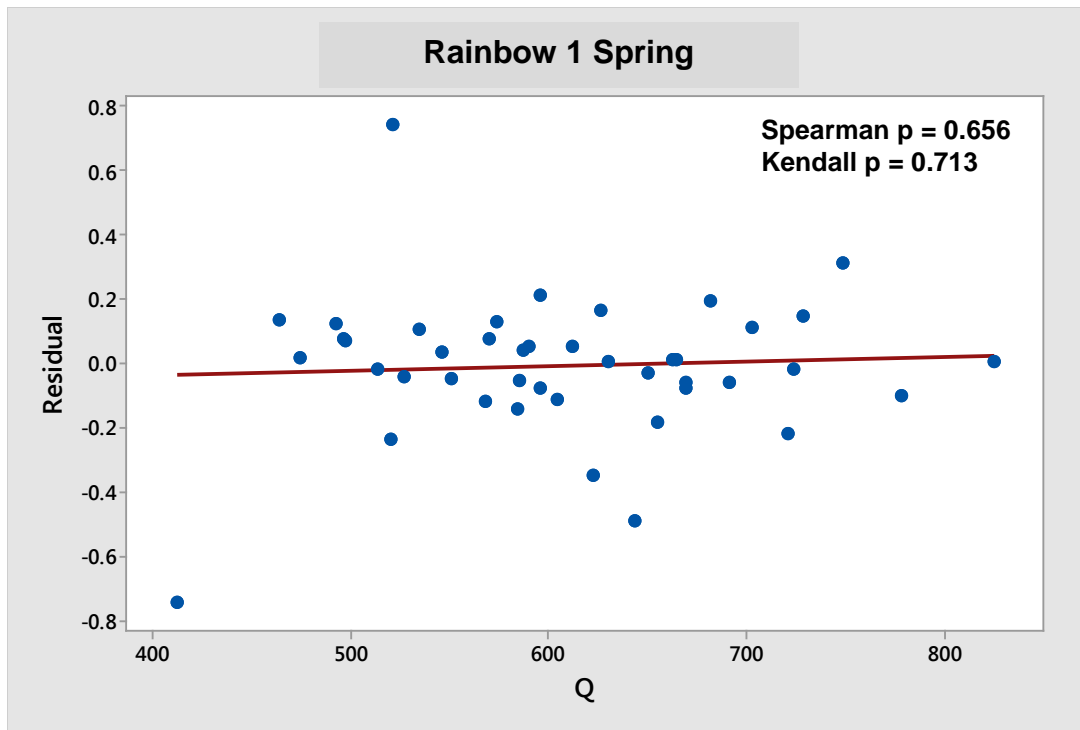


Figure D-1. Analysis of effect of flow on NO_x-N concentrations using residuals (to remove effect of date) for Rainbow 1 Spring. Concentration unaccounted for by date is not significantly related to flow ($p > 0.05$).

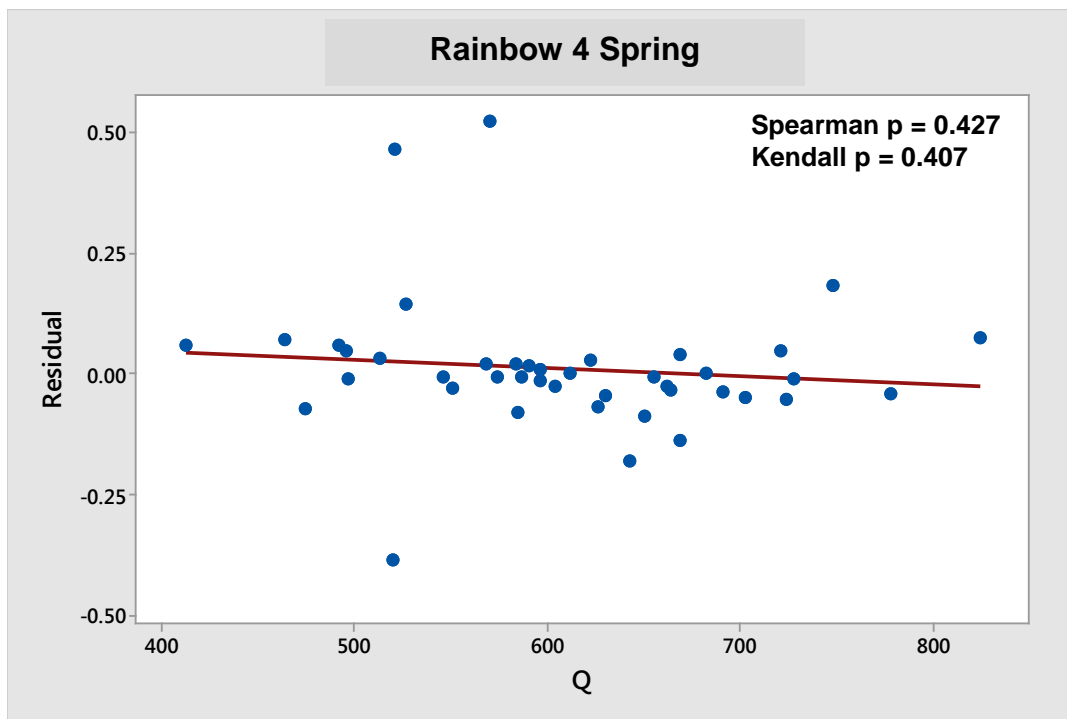


Figure D-2. Analysis of effect of flow on NO_x-N concentrations using residuals (to remove effect of date) for Rainbow 4 Spring. Concentration unaccounted for by date is not significantly related to flow ($p > 0.05$).

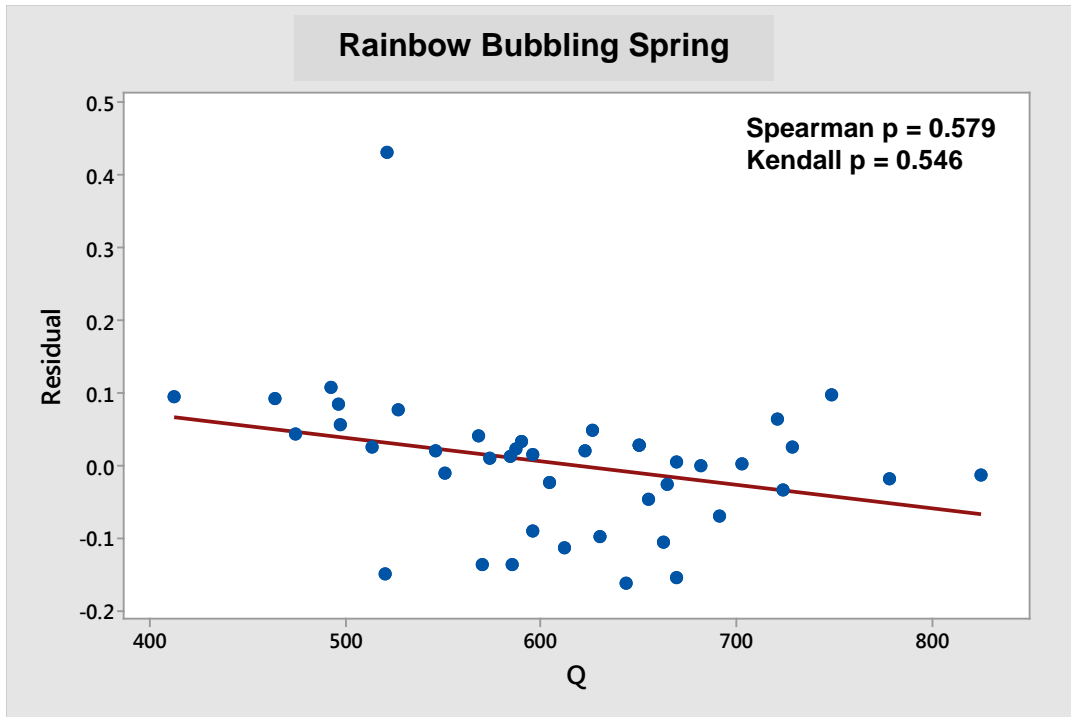


Figure D-3. Analysis of effect of flow on $\text{NO}_x\text{-N}$ concentrations using residuals (to remove effect of date) for Rainbow Bubbling Spring. Concentration unaccounted for by date is not significantly related to flow ($p > 0.05$).

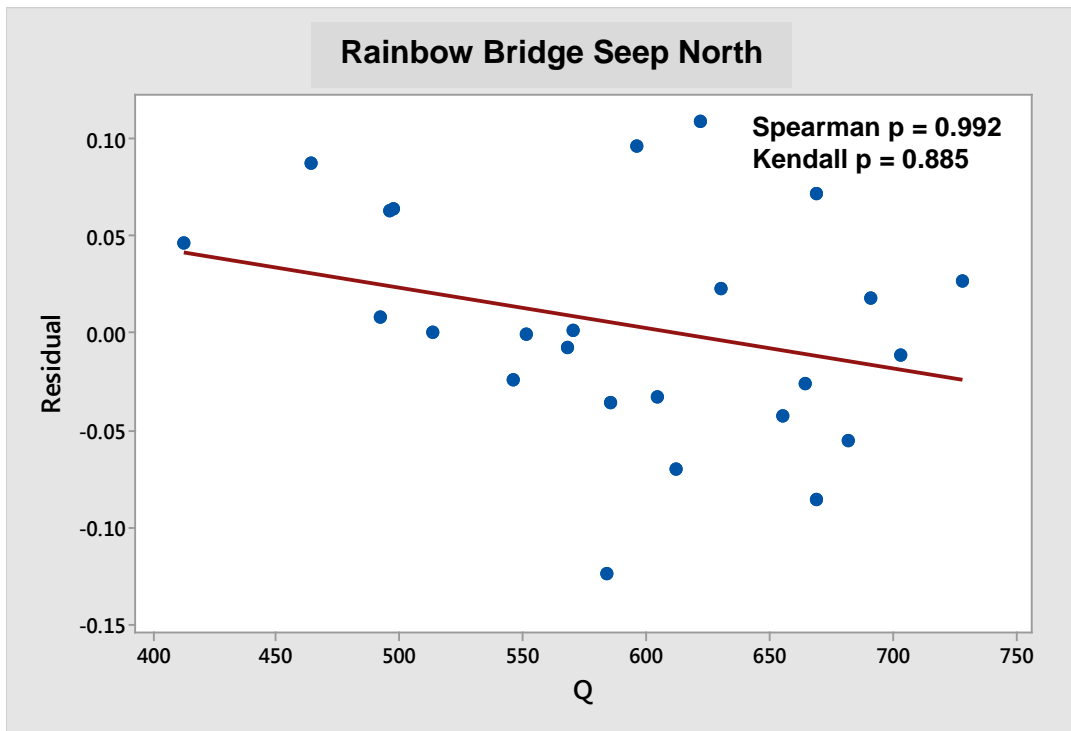


Figure D-4. Analysis of effect of flow on $\text{NO}_x\text{-N}$ concentrations using residuals (to remove effect of date) for Rainbow Bridge Seep North. Concentration unaccounted for by date is not significantly related to flow ($p > 0.05$).

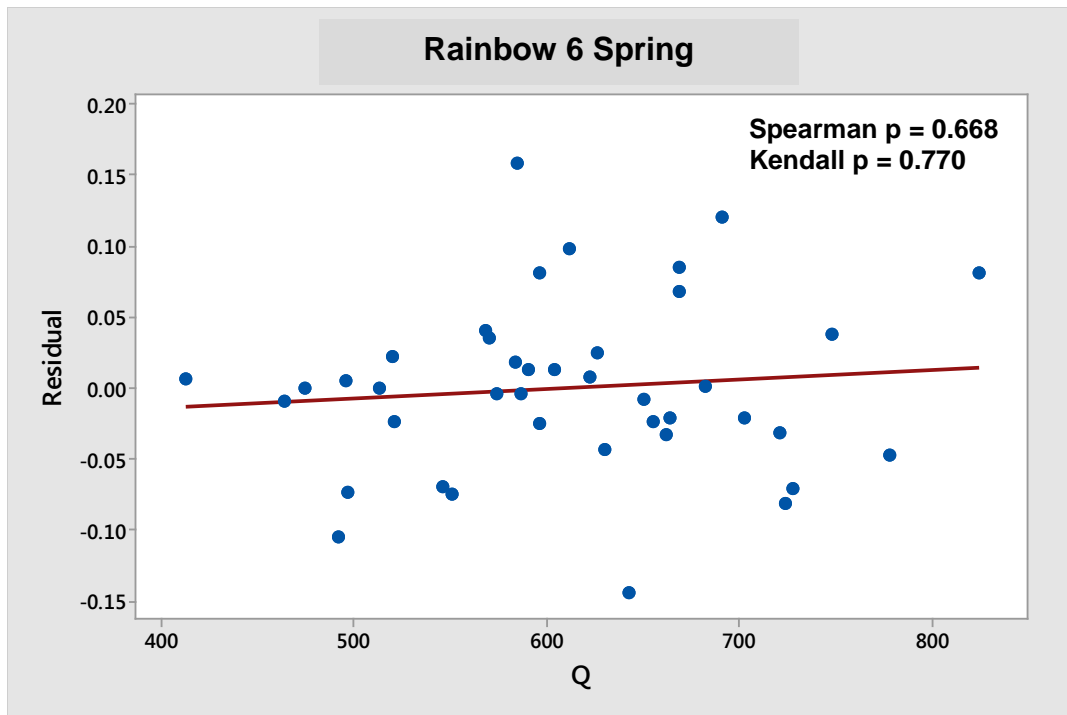


Figure D-5. Analysis of effect of flow on $\text{NO}_x\text{-N}$ concentrations using residuals (to remove effect of date) for Rainbow 6 Spring. Concentration unaccounted for by date is not significantly related to flow ($p > 0.05$).

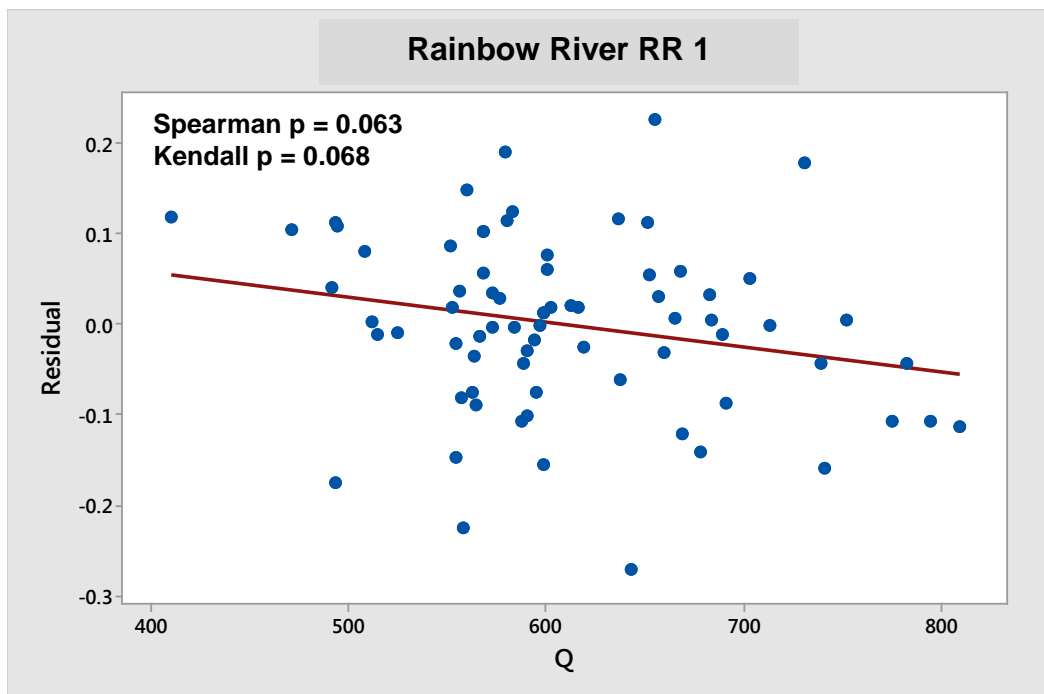


Figure D-6. Analysis of effect of flow on $\text{NO}_x\text{-N}$ concentrations using residuals (to remove effect of date) for RR 1. Concentration unaccounted for by date is not significantly related to flow ($p > 0.05$).

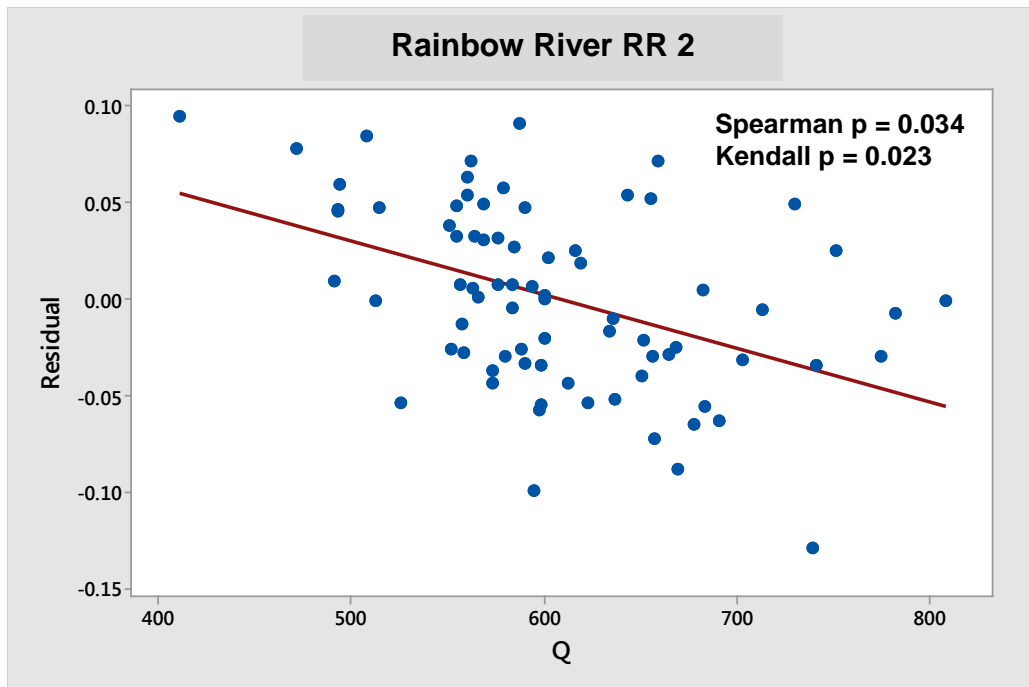


Figure D-7. Analysis of effect of flow on NO_x-N concentrations using residuals (to remove effect of date) for RR 2. Concentration unaccounted for by date is significantly related to flow ($p < 0.05$).

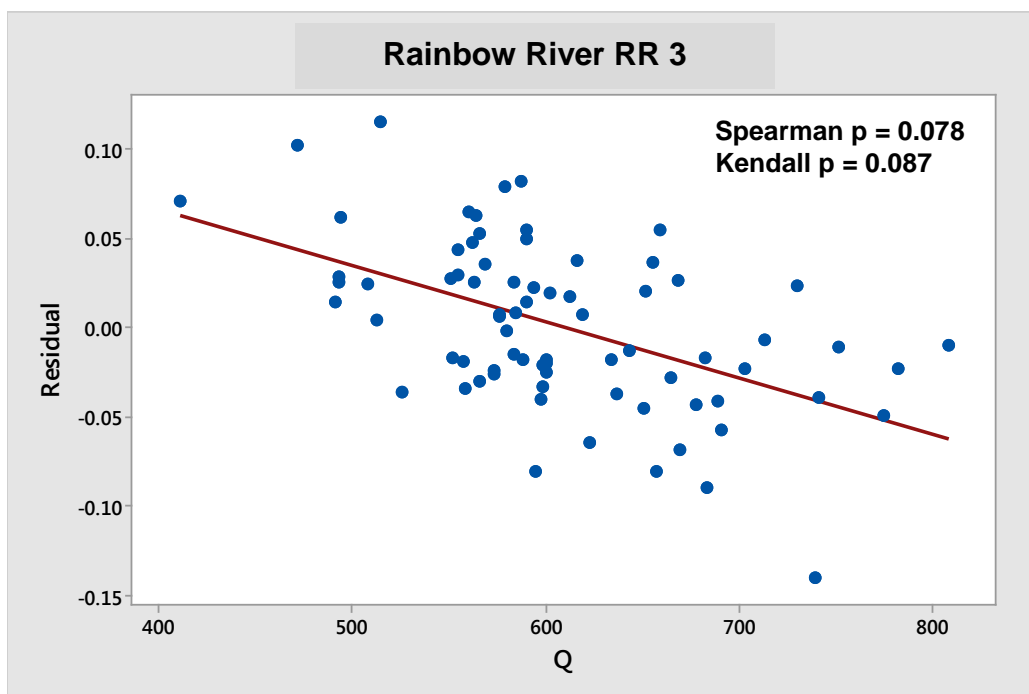


Figure D-8. Analysis of effect of flow on NO_x-N concentrations using residuals (to remove effect of date) for RR 3. Concentration unaccounted for by date is not significantly related to flow ($p > 0.05$).

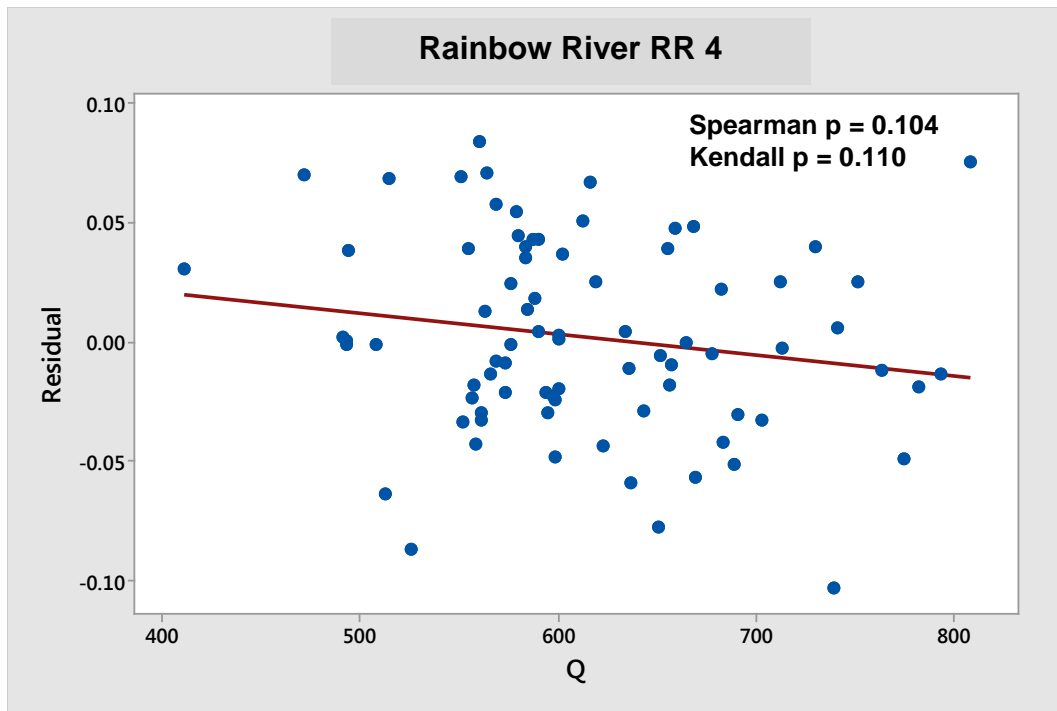


Figure D-9. Analysis of effect of flow on $\text{NO}_x\text{-N}$ concentrations using residuals (to remove effect of date) for RR 4. Concentration unaccounted for by date is not significantly related to flow ($p > 0.05$).

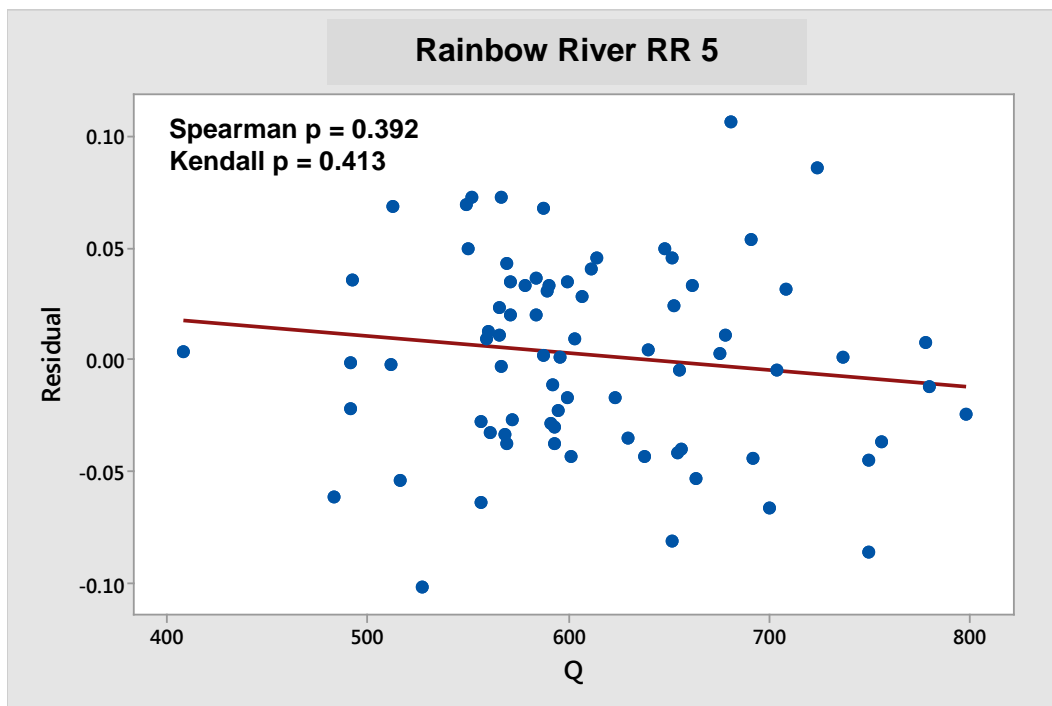


Figure D-10. Analysis of effect of flow on $\text{NO}_x\text{-N}$ concentrations using residuals (to remove effect of date) for RR 5. Concentration unaccounted for by date is not significantly related to flow ($p > 0.05$).

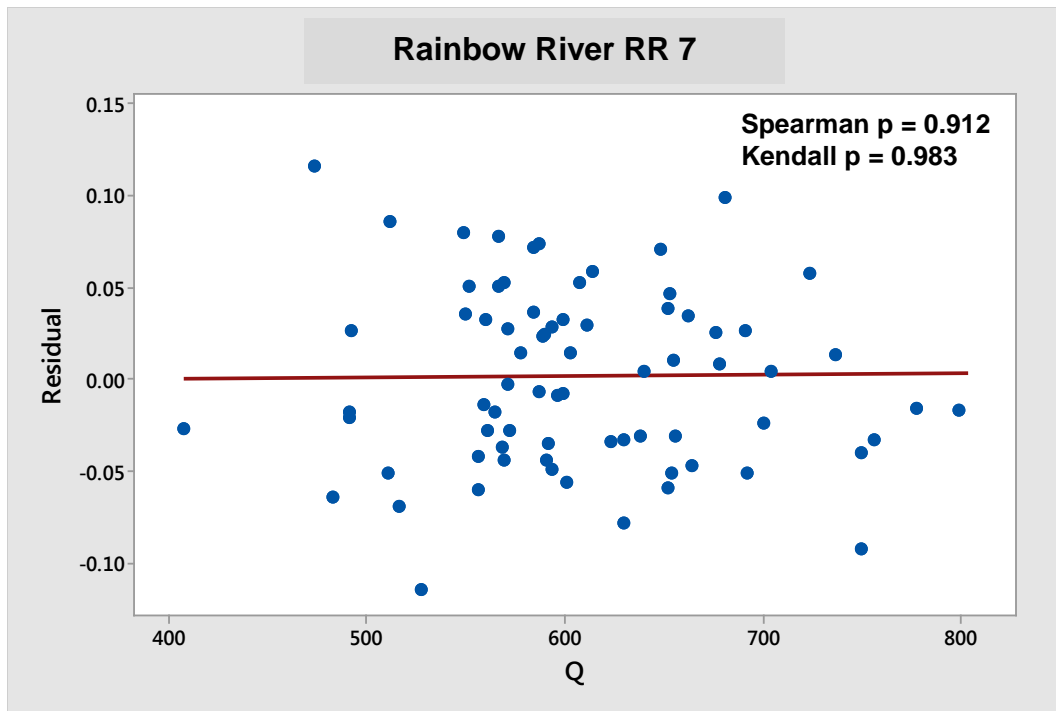


Figure D-11. Analysis of effect of flow on $\text{NO}_x\text{-N}$ concentrations using residuals (to remove effect of date) for RR 7. Concentration unaccounted for by date is not significantly related to flow ($p > 0.05$).

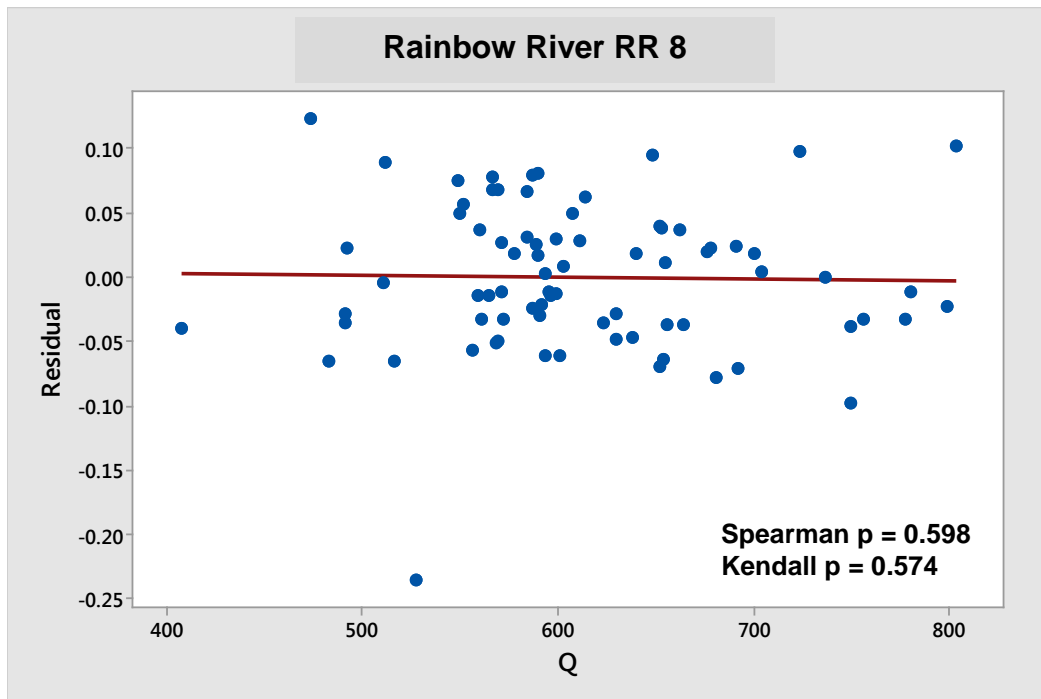


Figure D-12. Analysis of effect of flow on $\text{NO}_x\text{-N}$ concentrations using residuals (to remove effect of date) for RR 8. Concentration unaccounted for by date is not significantly related to flow ($p > 0.05$).

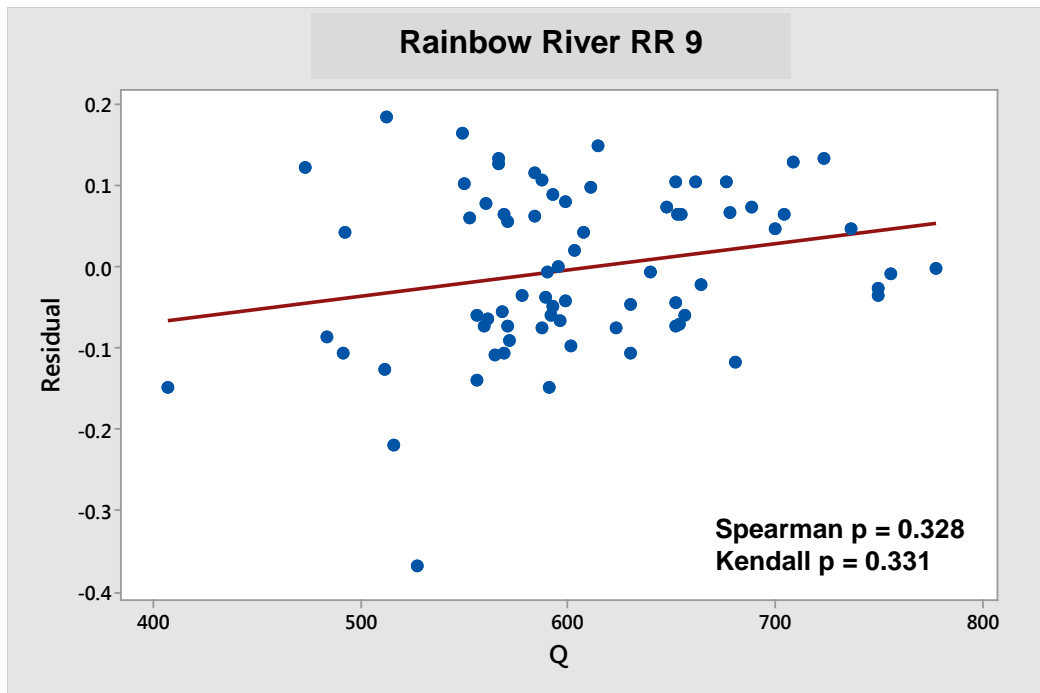


Figure D-13. Analysis of effect of flow on NO_x-N concentrations using residuals (to remove effect of date) for RR 9. Concentration unaccounted for by date is not significantly related to flow ($p > 0.05$).