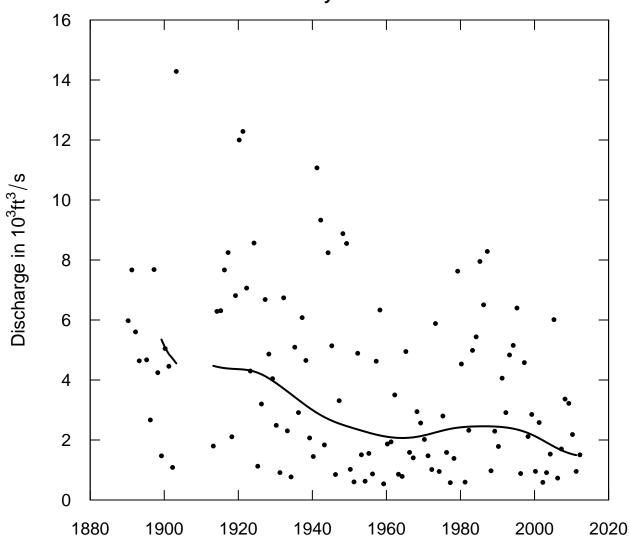
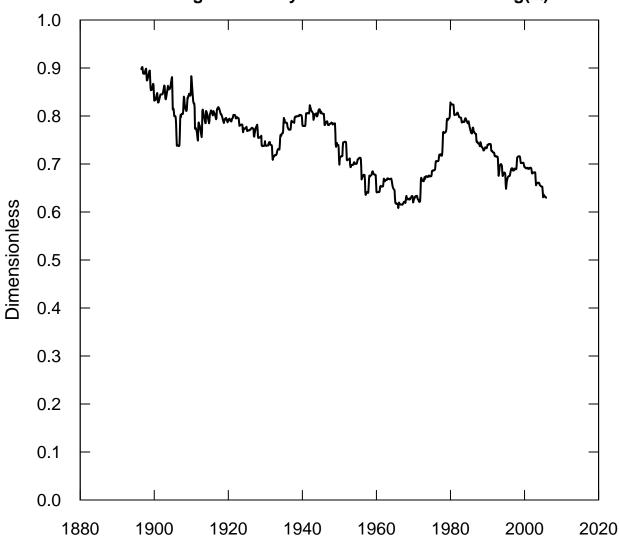
Rio Grande at Embudo, NM Water Year 7-day maximum



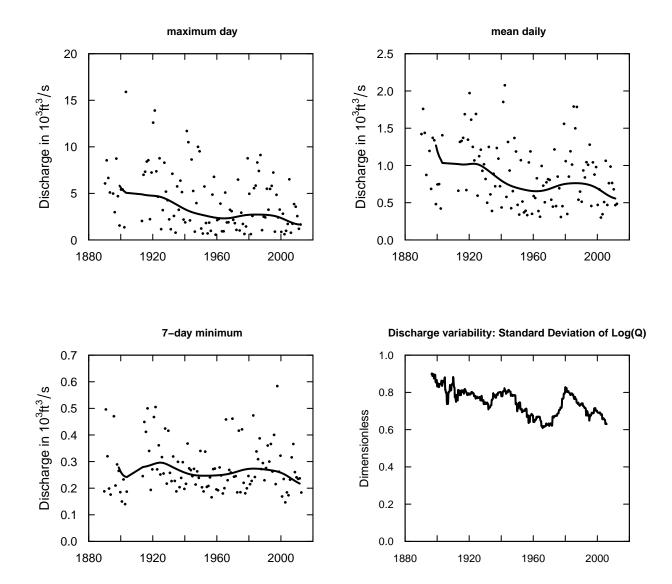
Rio Grande at Embudo, NM
Water Year
Discharge variability: Standard Deviation of Log(Q)



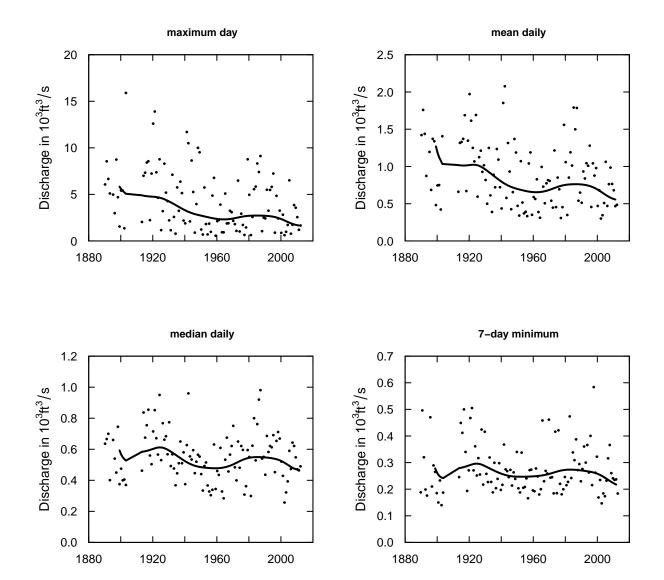
Rio Grande at Embudo, NM Daily discharge above a threshold of 2 Thousand Cubic Feet per Second

Discharge in 10 ft / s

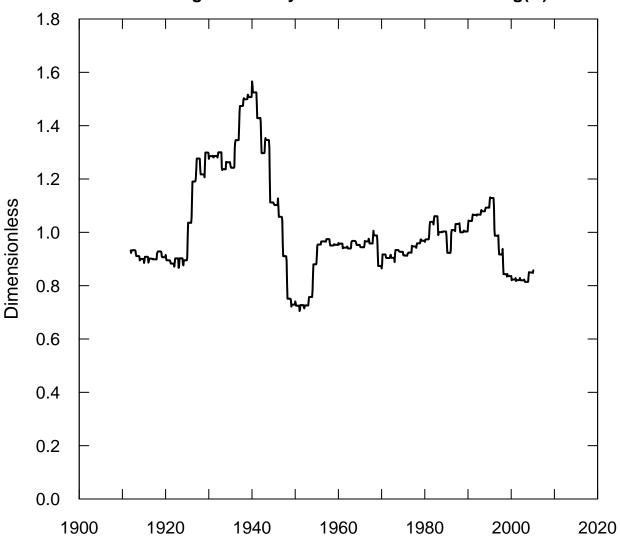
Rio Grande at Embudo, NM Water Year



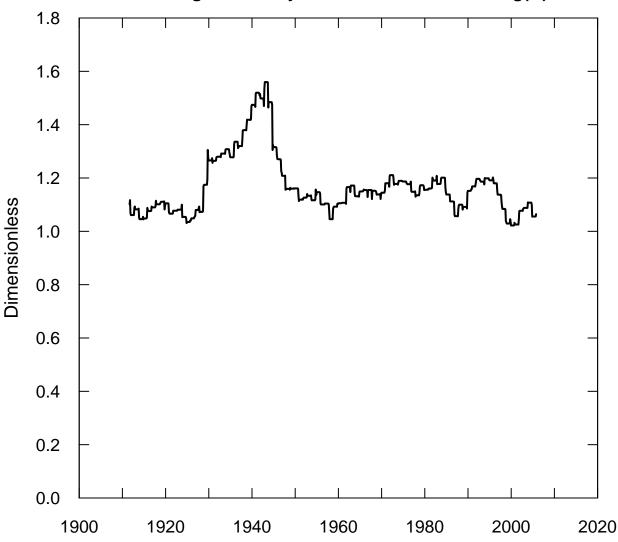
Rio Grande at Embudo, NM Water Year



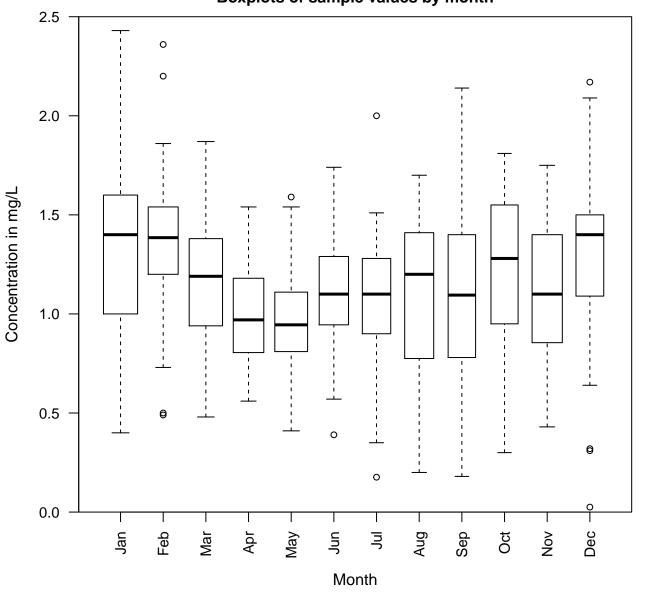
Season Consisting of Jun Jul Aug Discharge variability: Standard Deviation of Log(Q)



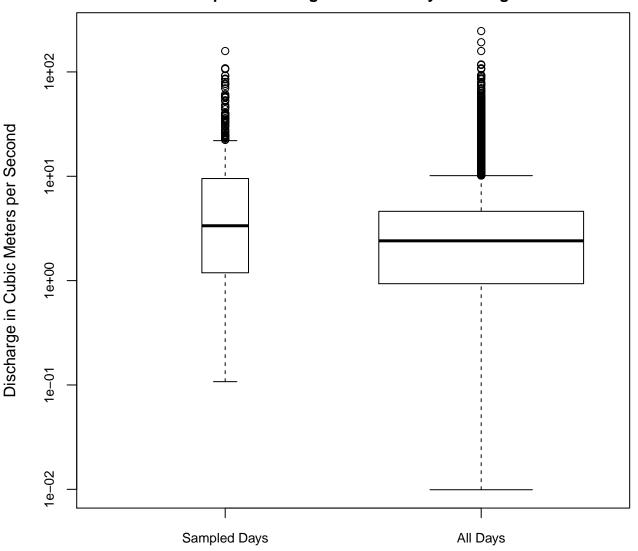
Rio Grande at Embudo, NM Season Consisting of Mar Apr May Discharge variability: Standard Deviation of Log(Q)



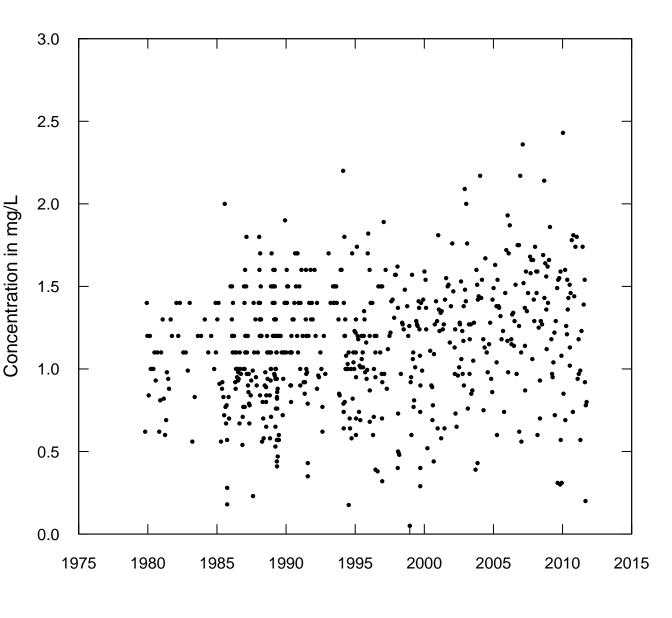
Choptank River Inorganic nitrogen (nitrate and nitrite) Boxplots of sample values by month



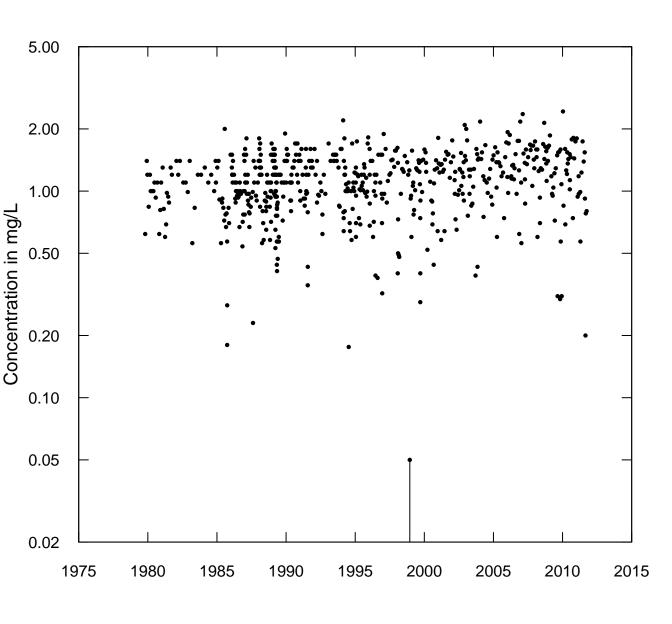
Choptank River, Inorganic nitrogen (nitrate and nitrite)
Comparison of distribution of
Sampled Discharges and All Daily Discharges



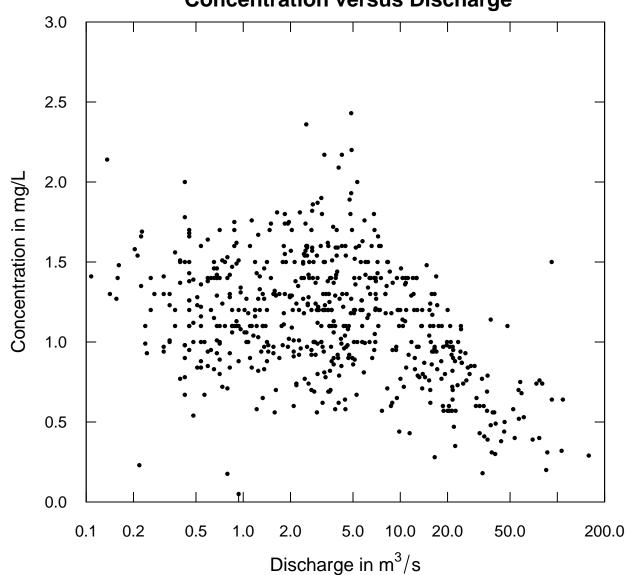
Choptank River, Inorganic nitrogen (nitrate and nitrite)

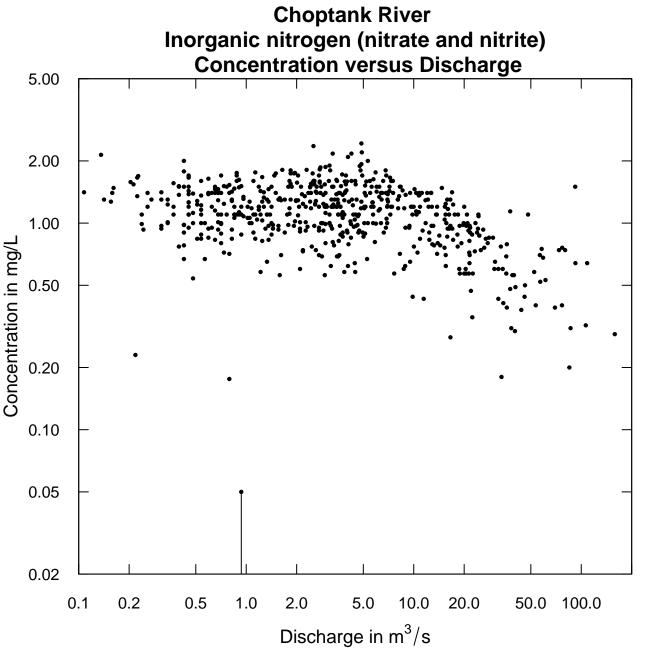


Choptank River, Inorganic nitrogen (nitrate and nitrite)



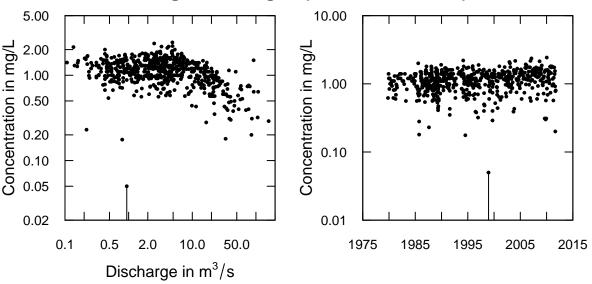
Choptank River
Inorganic nitrogen (nitrate and nitrite)
Concentration versus Discharge

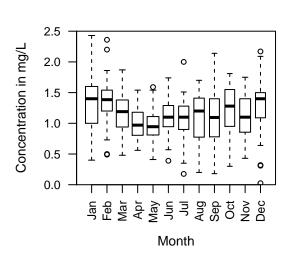


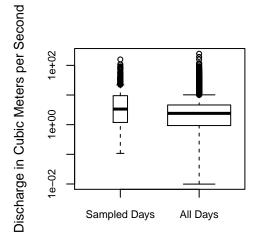


Choptank River Inorganic nitrogen (nitrate and nitrite) Flux versus Discharge 20000 10000 5000 2000 Observed Flux in kg/day 1000 500 200 100 50 20 10 5 2 0.2 0.5 1.0 10.0 20.0 0.1 2.0 5.0 50.0 100.0 Discharge in m³/s

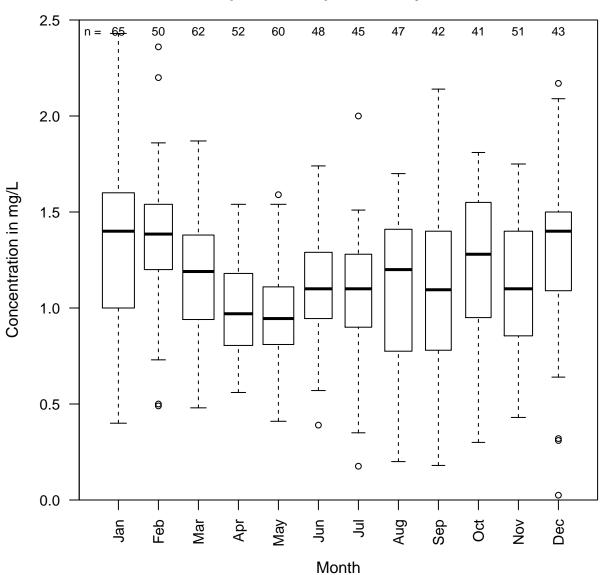
Choptank River Inorganic nitrogen (nitrate and nitrite)



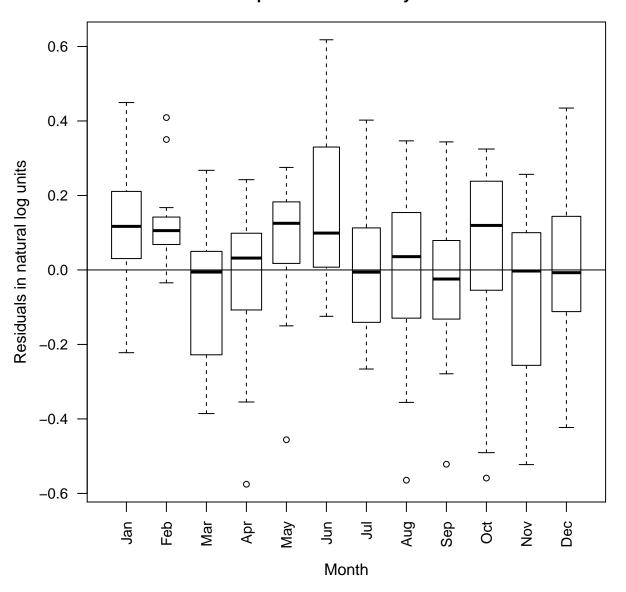




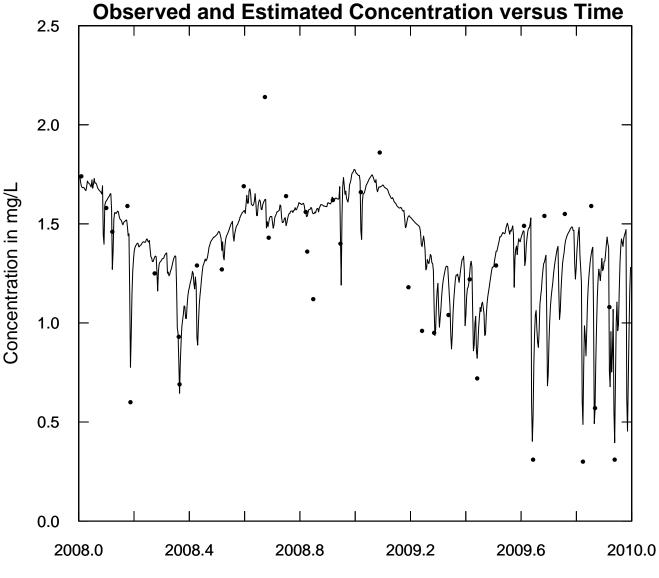
Choptank River Inorganic nitrogen (nitrate and nitrite) Boxplots of sample values by month



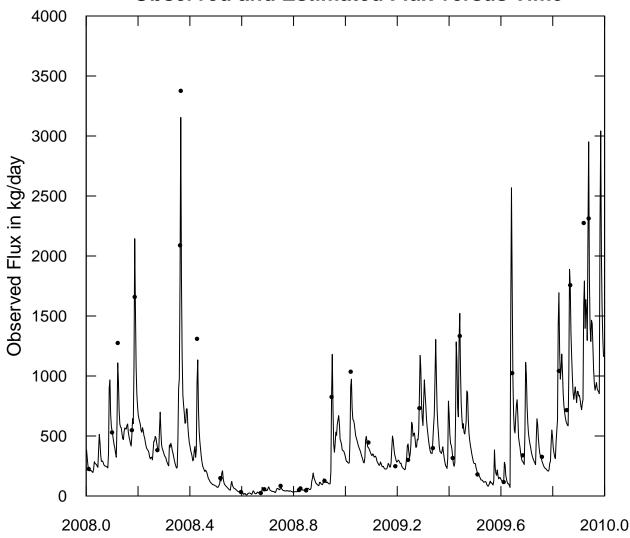
Choptank River near Greensboro, MD Nitrate as N Boxplots of residuals by month



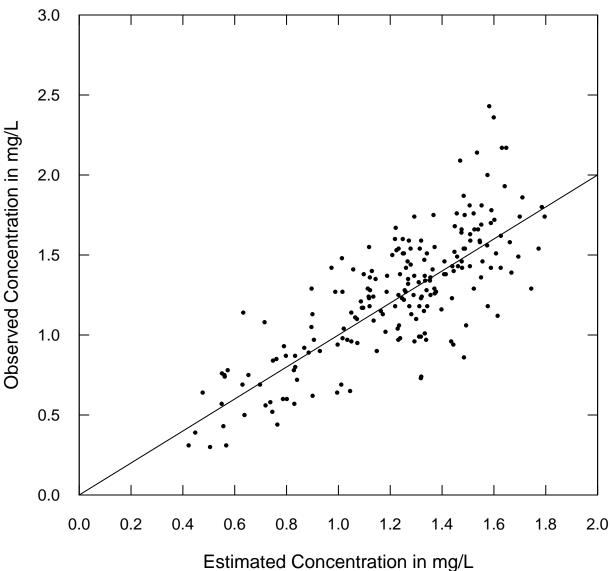
Choptank River near Greensboro, MD Nitrate as N



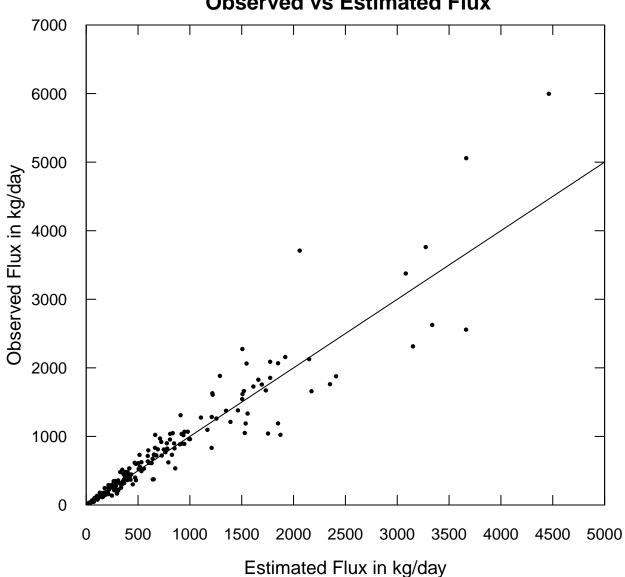
Choptank River near Greensboro, MD
Nitrate as N
Observed and Estimated Flux versus Time



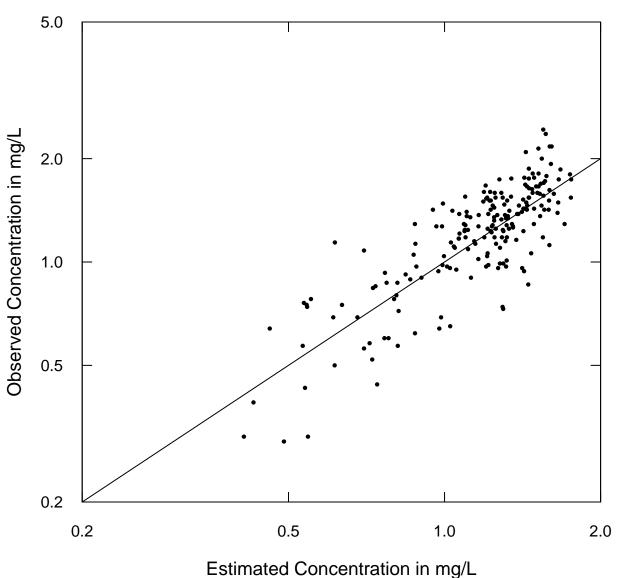
Choptank River near Greensboro, MD Nitrate as N Observed versus Estimated Concentration

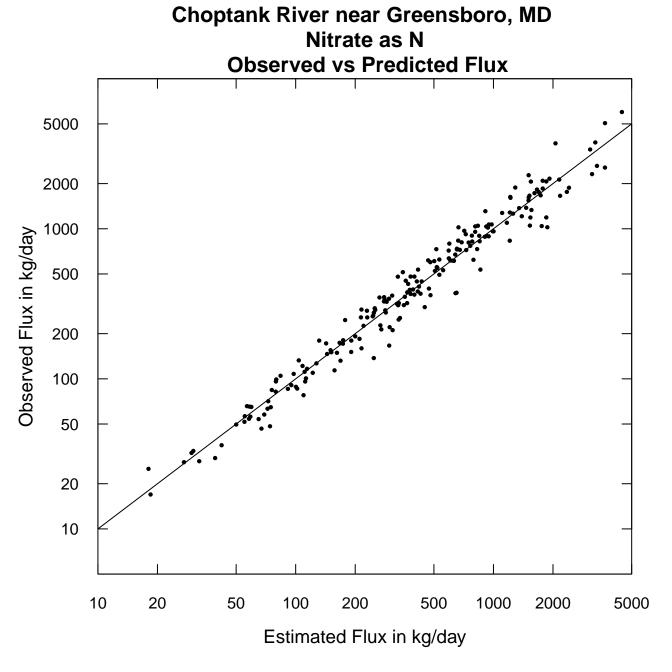


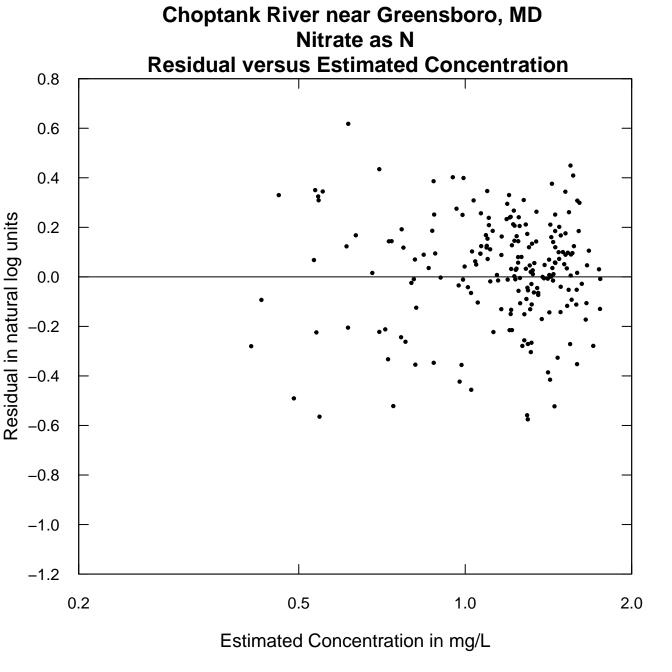
Choptank River near Greensboro, MD Nitrate as N Observed vs Estimated Flux

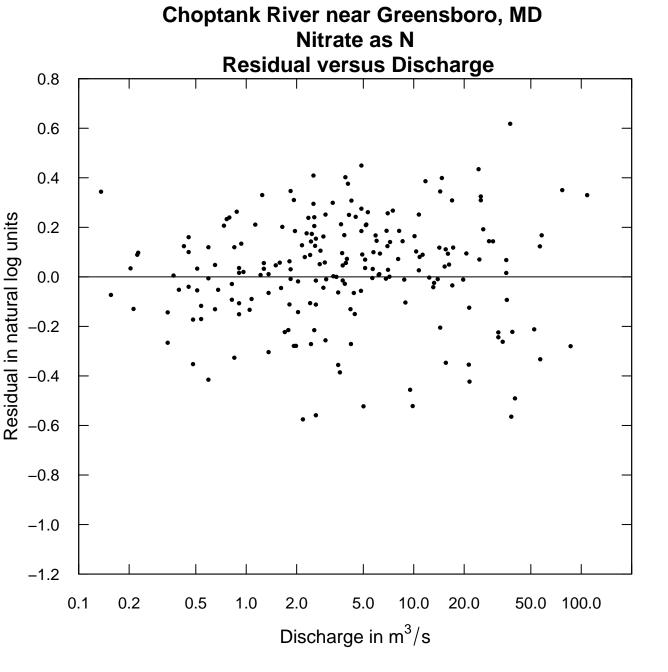


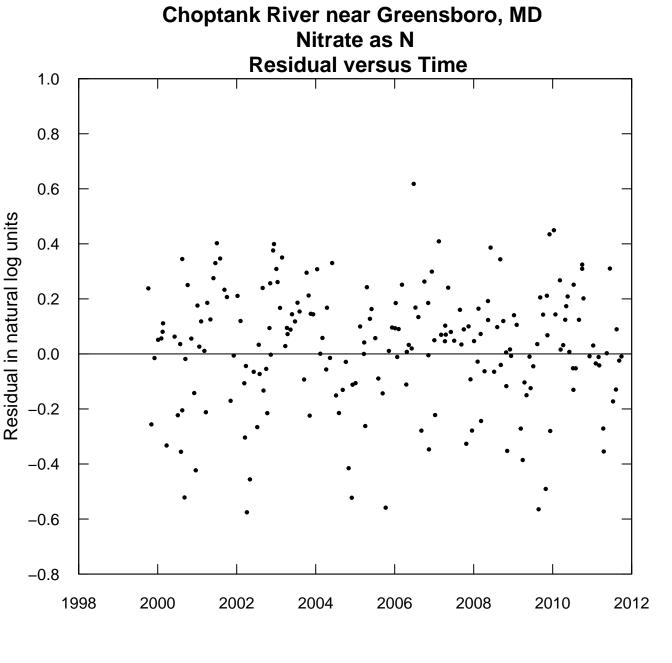
Choptank River near Greensboro, MD
Nitrate as N
Observed versus Estimated Concentration



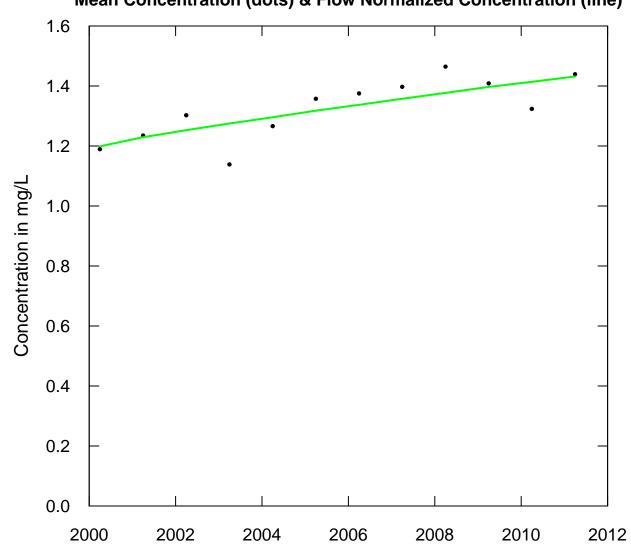




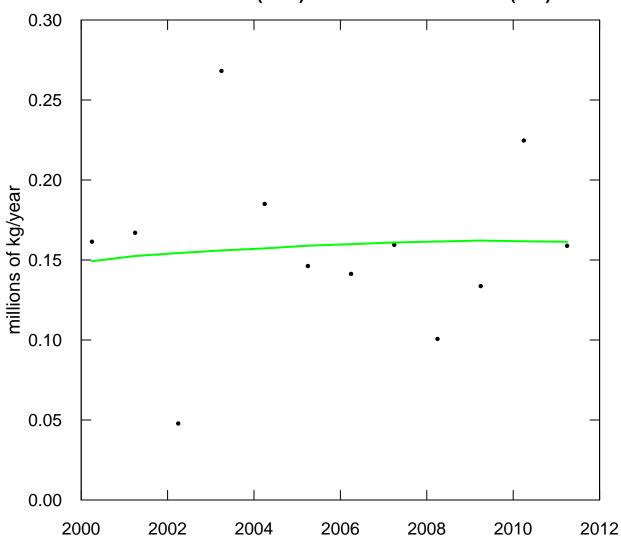


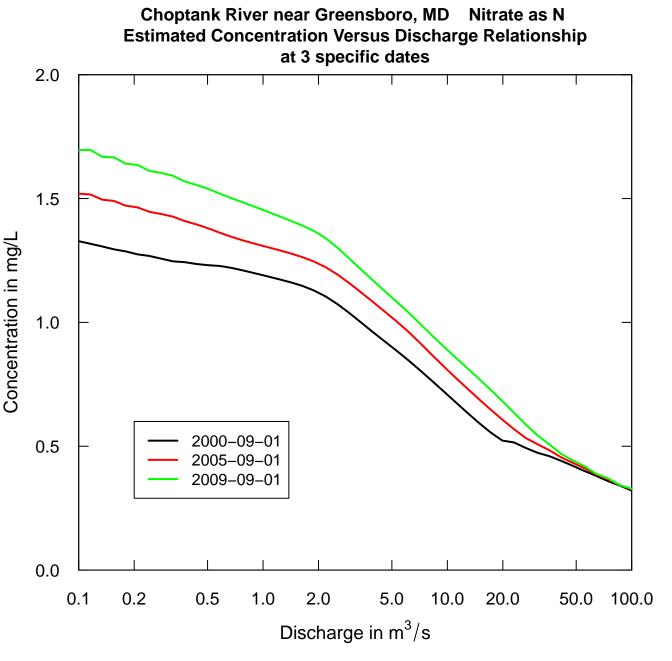


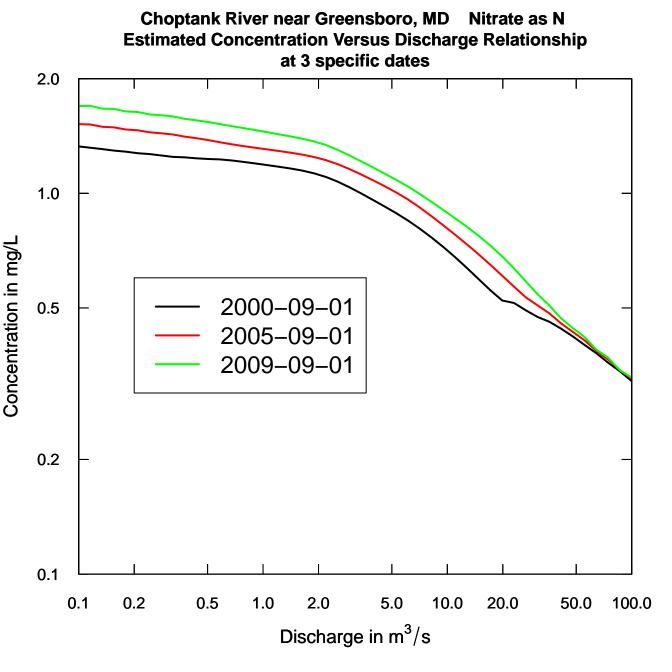
Choptank River near Greensboro, MD Nitrate as N
Water Year
Mean Concentration (dots) & Flow Normalized Concentration (line)



Choptank River near Greensboro, MD Nitrate as N
Water Year
Flux Estimates (dots) & Flow Normalized Flux (line)

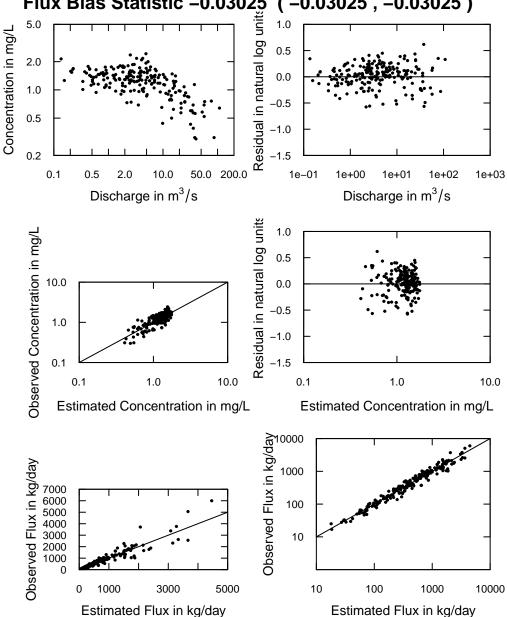




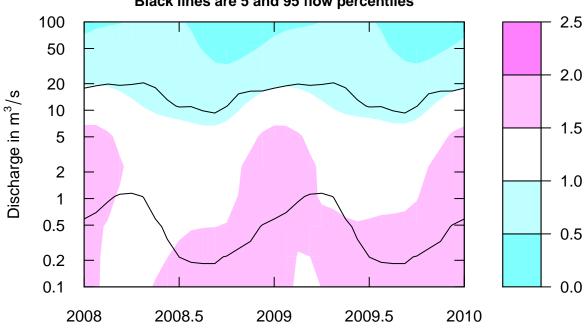


Choptank River near Greensboro, MD Nitrate as N **Estimated Concentration Versus Year** Centered on July 1 of each year, at 3 specific discharges 1.0 0.9 8.0 0.7 Concentration in mg/L 0.6 0.5 0.4 0.3 10 Cubic Meters per Second 0.2 25 Cubic Meters per Second 75 Cubic Meters per Second 0.1 0.0 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010

Choptank River near Greensboro, MD Nitrate as N Flux Bias Statistic -0.03025 (-0.03025, -0.03025)



Choptank River near Greensboro, MD Nitrate as N Estimated Concentration Surface in Color Black lines are 5 and 95 flow percentiles



Choptank River near Greensboro, MD Nitrate as N Estimated Concentration change from 2000 to 2010 Black lines are 5 and 95 flow percentiles

