

Figure 6. Concentration & seasonal relationships in the South Branch Raritan River Watershed

Constituent	South Branch Raritan River				Spruce Run	Mulhockaway Creek	Neshanic River
	Middle Valley	High Bridge	Stanton	Three Bridges	Glen Gardner	Van Syckle	Reaville
Alkalinity			NS	NS			
Ammonia plus Organic Nitrogen	NS		NS	NS		NS	
Un-ionized Ammonia			NS	NS			
Nitrate + Nitrite	NS	NS		NS		NS	
Total Phosphorus	NS		NS	NS	NS	NS	NS
BOD	NS	NS		NS	NS	NS	NS
DO							
TOC	NS	NS	NS	NS	NS	NS	
TDS	NS	NS	NS	NS	NS	NS	NS
Chloride	NS		NS	NS	NS	NS	NS
Sodium	NS		NS	NS	NS		NS
Sulfate			NS	NS	NS		NS
Hardness	NS	NS	NS	NS		NS	NS
pH	NS	NS	NS	NS	NS	NS	NS
Fecal Coliform			NS	NS			
TSS	NS		NS	NS		NS	NS
Temperature							
















= highest concentrations occur during growing season & seasonal differences occur



= highest concentrations occur during non-growing season & seasonal differences occur

NS = No significant difference between seasons


Figure 7. Concentration & seasonal relationships in the North Branch Raritan River Watershed

Constituent	North Branch Raritan River		Lamington River		Rockaway Creek
	Chester	Burnt Mills	Pottersville	Burnt Mills	Whitehouse
Alkalinity					
Ammonia plus Organic Nitrogen	NS	NS		NS	NS
Un-ionized Ammonia	NS		NS		
Nitrate + Nitrite	NS				NS
Total Phosphorus		NS			NS
BOD	NS	NS	NS	NS	NS
DO					
TOC	NS	NS	NS	NS	NS
TDS	NS	NS	NS	NS	NS
Chloride	NS		NS	NS	NS
Sodium	NS	NS	NS	NS	NS
Sulfate	NS	NS	NS	NS	NS
Hardness					
pH	NS	NS	NS		NS
Fecal Coliform			NS	NS	
TSS	NS	NS	NS	NS	NS
Temperature					

































 = highest concentrations occur during growing season & seasonal differences occur



 = highest concentrations occur during non-growing season & seasonal differences occur

NS = No significant difference between seasons

Figure 14. Concentration & seasonal relationships in the Lower Raritan WMA

Constituent	Main Stem Raritan River		Matchaponix Brook	Manalapan Brook
	Manville	Bound Brook	Spotswood	Manalapan
Alkalinity		NS	NS	
Ammonia plus Organic Nitrogen	NS	NS	NS	NS
Un-ionized Ammonia		NS	NS	
Nitrate + Nitrite		NS	NS	
Total Phosphorus			NS	
BOD	NS	NS	NS	NS
DO				
TOC	NS			
TDS	NS	NS	NS	
Chloride	NS	NS	NS	NS
Sodium	NS	NS	NS	NS
Sulfate	NS	NS	NS	
Hardness	NS	NS	NS	NS
PH		NS	NS	
Fecal Coliform				
TSS	NS			NS
Temperature				








































= highest concentrations occur during growing season & seasonal differences occur



= highest concentrations occur during non-growing season & seasonal differences occur

NS = No significant difference between seasons

Figure 18. Concentration & seasonal relationships in the Millstone WMA

Constituent	Millstone River			Stony Brook	Beden Brook
	Manalapan	Grovers Mill	Blackwells Mills	Princeton	Rocky Hill
Alkalinity		NS			
Ammonia plus Organic Nitrogen		NS		NS	
Un-ionized Ammonia	NS	NS		NS	
Nitrate + Nitrite		NS	NS		NS
Total Phosphorus		NS		NS	
BOD	NS	NS	NS	NS	NS
DO					
TOC				NS	NS
TDS	NS	NS	NS	NS	NS
Chloride	NS		NS	NS	NS
Sodium		NS	NS	NS	NS
Sulfate	NS	NS	NS	NS	
Hardness	NS	NS	NS	NS	
pH	NS	NS	NS	NS	NS
Fecal Coliform					
TSS	NS			NS	NS
Temperature					



= highest concentrations occur during growing season & seasonal differences occur



= highest concentrations occur during non-growing season & seasonal differences occur

NS = No significant difference between seasons