

Susquehanna University Science in Motion

Water Quality Data

Roaring Creek - Southern Columbia High School 2008-2009

	10/7/08	11/4/08	2/26/09	3/25/09
Ammonia (TNH ₃) MG/L	<0.02	<0.02	<0.02	<0.02
Ammonia (DNH ₃) MG/L	<0.02	<0.02	<0.02	<0.02
Nitrate (TNO ₃) MG/L	1.79	3.06	2.15	2.24
Nitrate (DNO ₃) MG/L	1.80	3.04	2.17	2.25
Nitrogen (TN) MG/L	1.90	3.16	2.22	2.31
Nitrogen (DN) MG/L	1.91	3.16	2.19	2.64
Phosphorus (TP) MG/L	0.015	0.013	<0.01	0.012
Phosphorus (DP) MG/L	0.012	0.016	<0.01	0.012
Orthophosphate (DOP) MG/L	<0.01	<0.01	<0.01	0.011
Total suspended solids (TSS) MG/L	10.0*	<5.0	<5.0	<5.0
Suspended sediment MG/L	2	2	4	5
pH	7.1	7.0	7.9	7.8
Conductivity (milli-Siemens)	0.131	0.128	0.084	0.102
Dissolved oxygen MG/L	10.2	11.35	13.8	12.6
Temperature (degrees F)	49.2	48.5	31.7	33.4
Flow (cfs)	9.29	26.4	27.6	27.3

*Laboratory blank out of range - biased high.

