

# Susquehanna University Science in Motion

## Water Quality Data

### Shamokin Creek - Shikellamy High School 2008-2009

	9/15/08	11/12/08	3/26/09	5/14/09
Ammonia (TNH <sub>3</sub> ) MG/L	0.75	1.13	0.89	0.81
Ammonia (DNH <sub>3</sub> ) MG/L	0.74	1.15	0.87	0.8
Nitrate (TNO <sub>3</sub> ) MG/L	1.03	0.92	0.6	0.56
Nitrate (DNO <sub>3</sub> ) MG/L	1.04	0.91	0.6	0.61
Nitrogen (TN) MG/L	2.17	2.23	1.65	1.51
Nitrogen (DN) MG/L	2.09	2.11	1.56	1.88
Phosphorus (TP) MG/L	0.020	0.018	0.037	0.043
Phosphorus (DP) MG/L	0.014	0.200	<0.01	<0.01
Orthophosphate (DOP) MG/L	<0.01	<0.01	<0.01	0.015
Total suspended solids (TSS) MG/L	<5.0	14.0*	6.0	16.0
Suspended sediment MG/L	5	2	15	22
pH	6.4	6.7	7.0	6.33
Conductivity (milli-Siemens)	0.510	0.501	0.365	0.336
Dissolved oxygen MG/L	7.9	11.5	10.2	9.2
Temperature (degrees F)	68.5	46.2	44.1	55.3
Flow (cfs)	45.3	43.12	70.8	113

\*Laboratory blank out of acceptance range - biased high.