

# Susquehanna University Science in Motion

## Water Quality Data

### Ten Mile Run - Central Columbia High School 2008-2009

	10/16/08	11/13/08	3/5/09	5/12/09
Ammonia (TNH <sub>3</sub> ) MG/L	<0.02	<0.02	<0.02	<0.02
Ammonia (DNH <sub>3</sub> ) MG/L	<0.02	<0.02	<0.02	<0.02
Nitrate (TNO <sub>3</sub> ) MG/L	2.72	2.54	3.4	1.93
Nitrate (DNO <sub>3</sub> ) MG/L	2.74	2.56	3.4	1.94
Nitrogen (TN) MG/L	3.12	2.67	3.36	2.18
Nitrogen (DN) MG/L	3.00	2.71	3.3	2.24
Phosphorus (TP) MG/L	0.013	0.013	0.012	0.017
Phosphorus (DP) MG/L	0.013	0.013	<0.01	0.014
Orthophosphate (DOP) MG/L	<0.01	<0.01	<0.01	<0.01
Total suspended solids (TSS) MG/L	8.0	<5.0	<5.0	<5.0
Suspended sediment MG/L	5	0	9	5
pH	7.4	7.4	7.75	6.9
Conductivity (milli-Siemens)	0.178	0.146	0.137	0.133
Dissolved oxygen MG/L	9.7	11.3	14.5	9.1
Temperature (degrees F)	53.6	44.7	31.1	52.5
Flow (cfs)	1.88	1.61	7.24	5.0