

Stream name	Date	Water Temp (C)	Air Temp (C)	Nitrate (mg/L)	Phosphate (mg/L)	Stream Width (m)	Stream Depth (m)	Stream Velocity (m/s)	Discharge (cubic m/s)	Nitrate Load (grams/cubic m)	Phosphate Load (grams/cubic m)	pH (0 to 14)	Dissolved Oxygen (mg/L)	Conductivity (uS/cm)	Salinity (ppm)	Total Alkalinity (mg/L)	TDS (mg/L)	Ammonia (mg/L)		
Pequea Creek	9-Jan-16	3.3	7.77	6.0	0.22	24.10	0.260	0.450	2.820	16.92	0.620	8.32	12.8	549	257	200	389	0.50	Nitrate and phosphate standards completed	
	13-Feb-16	-1.0	-6	5.7	0.54	N/A	N/A	N/A	N/A	N/A	N/A	8.2	16.4	573	256	180	418	0.00	Physical measurements not done due to inclement weather. Nitrate and phosphate standards completed.	
	12-Mar-16	12.0	16	7.7	0.15	24.76	0.420	0.602	6.260	48.20	0.940	9.17	11.4	533	252	200	377	0.25	Nitrate and phosphate standards completed.	
	7-Apr-16	10.0	14.44	1.2	0.22	N/A	N/A	N/A	N/A	N/A	N/A	8.76	11.1	433	202	160	306	0.25	Nitrate and phosphate standards completed.	
	14-May-16	15.0	23.5	6.3	0.31	25.01	0.382	0.540	5.160	32.51	1.600	8.53	9.6	457	240	180	324	0.25	Nitrate and phosphate standards completed.	
	4-Jun-16	21.0	23	5.3	1.03	24.80	0.340	0.521	4.393	23.28	4.525	8.41	8.6	424	204	160	301	0.25	Nitrate and phosphate standards completed.	
	9-Jul-16	24.00	26.00	6.60	0.32	24.77	0.260	0.426	2.744	18.11	0.878	8.76	8.6	517	249	200	368	0.25	Nitrate and phosphate standards completed.	
	13-Aug-16	26.50	29.00	3.90	0.36	23.88	0.235	0.396	2.222	8.66	0.800	8.81	8	537	261	240	382	0.25	Nitrate and phosphate standards completed.	
	10-Sept-16	24.30	34.00	6.30	0.39	23.65	0.190	0.153	0.688	4.33	0.268	9.47	7.98	534	258	200	378	0.25	Nitrate and phosphate standards completed.	
	8-Oct-16	16.50	19.00	5.20	0.56	23.63	0.108	0.303	0.773	4.02	0.433	10.2	10.2	535	256	220	379	0.25	Nitrate and phosphate standards completed.	
	12-Nov-16	6.90	10.00	4.50	0.15	23.85	0.199	0.307	1.450	6.53	0.218	8.87	13.52	545	256	160	386	0.25	Nitrate and phosphate standards completed.	
	10-Dec-16	1.80	6.60	6.10	0.73	23.56	0.223	0.273	1.430	8.72	1.044	9.34	15.07	519	234	180	367	0.25	Nitrate and phosphate standards completed.	

Discharge = stream width (m) x stream depth (m) x velocity (m/sec)  
 Nitrate Load = Discharge (cubic m/sec) x Nitrate (mg/L)  
 Phosphate Load = Discharge (cubic m/sec) x Phosphate (mg/L)  
 mg/L is the same as ppm, ppm = parts per million  
 Conductivity units, uS/cm is micro Siemens per cm