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)	
Tucquan Creek	9-Jan-16	6.5	5.8	6.7	0.23, 0.13	7.40	0.122	0.69, 0.9	0.620	4.16	0.143, 0.081	7.68	12.4	214	112	40	157	0.25	Nitrate and phosphate standards completed
	13-Feb-16	2.0	-6	5.3, 5.1	3,6, 2.6	N/A	N/A	N/A	N/A	N/A	N/A	8.4	15.7	213	106	40	152	0.00	Physical measurements not done due to inclement weather. Nitrate and phosphate standards completed.
	12-Mar-16	8.0	13	6.8, 7.1	0.18, 0.20	7.45	0.140	0.602	0.628	4.27	0.113, 0.126	7.75	11.3	239, 252	119	40	173, 179	0.25	Nitrate and phophate standards completed.
	14-Apr-16	7.2	10.8	3.4, 5.2, 2.5	0.22, 0.15, 0.15	7.50	0.112	0.570	0.480	1.63	0.106	7.95	11.4	193.6	98.5	60	138	0.50	Nitrate and phosphate standards completed
	14-May-16	16.5	12	5.5, 3.4	0.1, 0.07	6.75	0.139	0.670	0.630	3.68, 2.88	0.067, 0.047	7.91	10.2	207	100	60	148	0.50	Nitrate and phosphate standards completed
	4-Jun-16	18.0	23	5.7; 4.8	0.25	6.80	0.103	0.560	0.390	2.223; 1.872	0.098	7.77	8.5	220	118	60	159	0.25	Nitrate and phosphate standards completed.
	9-Jul-16	20.00	24.50	3.00	0.18	5.90	0.068	0.51	0.200	0.60	0.036	9.39	9.3	219	106	60	156	0.25	Nitrate and phosphate standards completed.
	13-Aug-16	22.20	27.50	5.4; 6.2	0.22; 0.14	4.70	0.120	0.44	0.210	1.134; 1.302	0.046; 0.029	7.87	8.66	216	115	60	154	0.25	Nitrate and phosphate standards completed.
	9-Sept-16	21.10	24.80	3.8;5.1	0.18; 0.20	3.74	0.220	0.14	0.120	0.46; 0.61	0.0216; 0.024	8.25	8.37	231	112	60	165	0.25	Nitrate and phosphate standards completed.
	8-Oct-16	15.60	18.50	3.80	0.22	4.75	0.073	0.4845	0.167	0.64	0.037	7.96	9.83	213	111	60	151	0.25	Nitrate and phosphate standards completed
	12-Nov-16	5.90	5.60	4.20	0.30	4.75	0.092	0.375	0.133	0.56	0.039	8.86	13.04	241	111	60	171	0.25	Nitrate and phosphate standards completed.
	10-Dec-16	1.40	-1.10	6.00	0.10	5.19	0.298	0.35	0.170	1.02	0.017	8.88	14.54	244	111	60	173	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