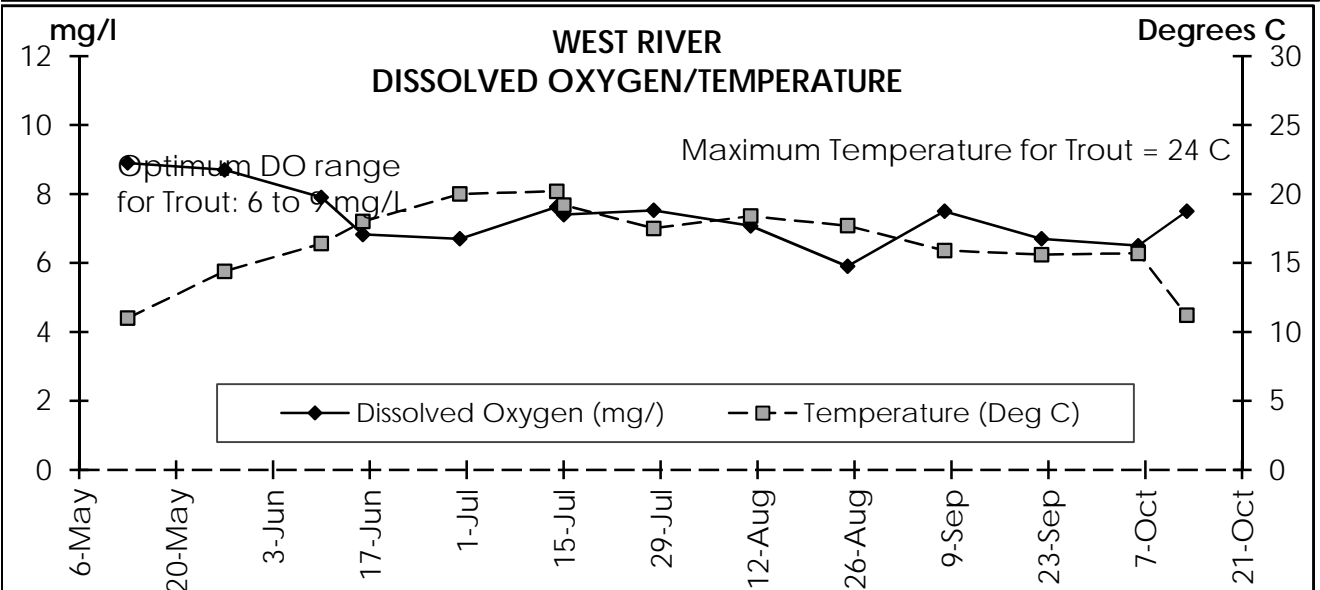
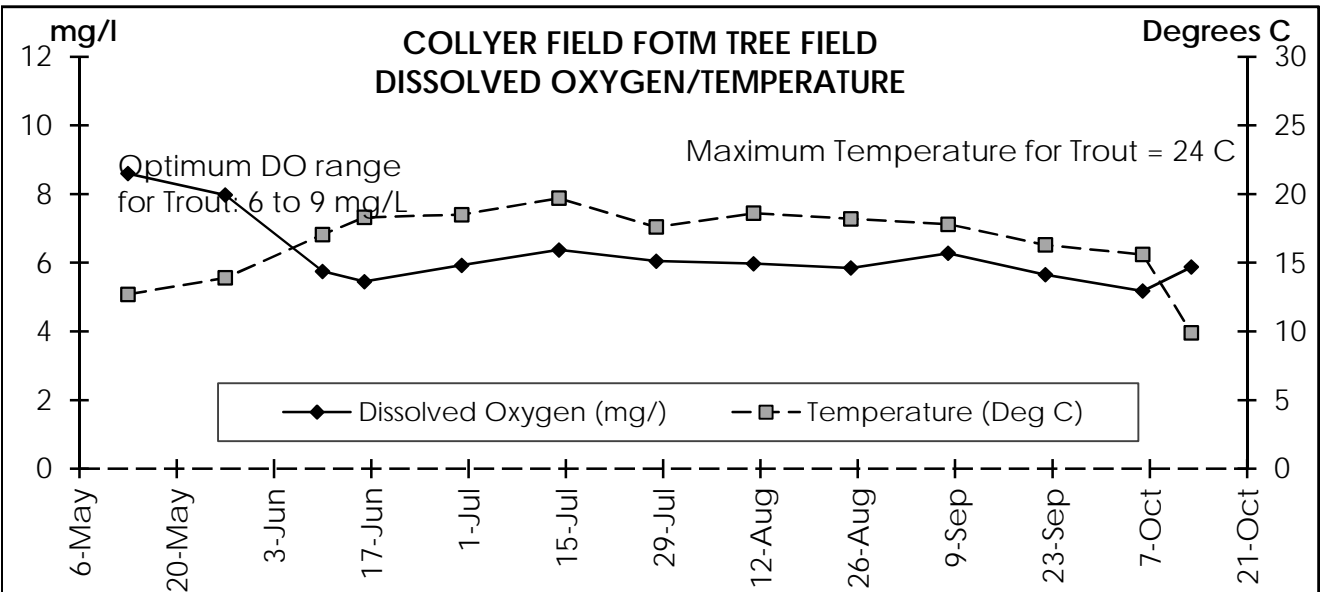
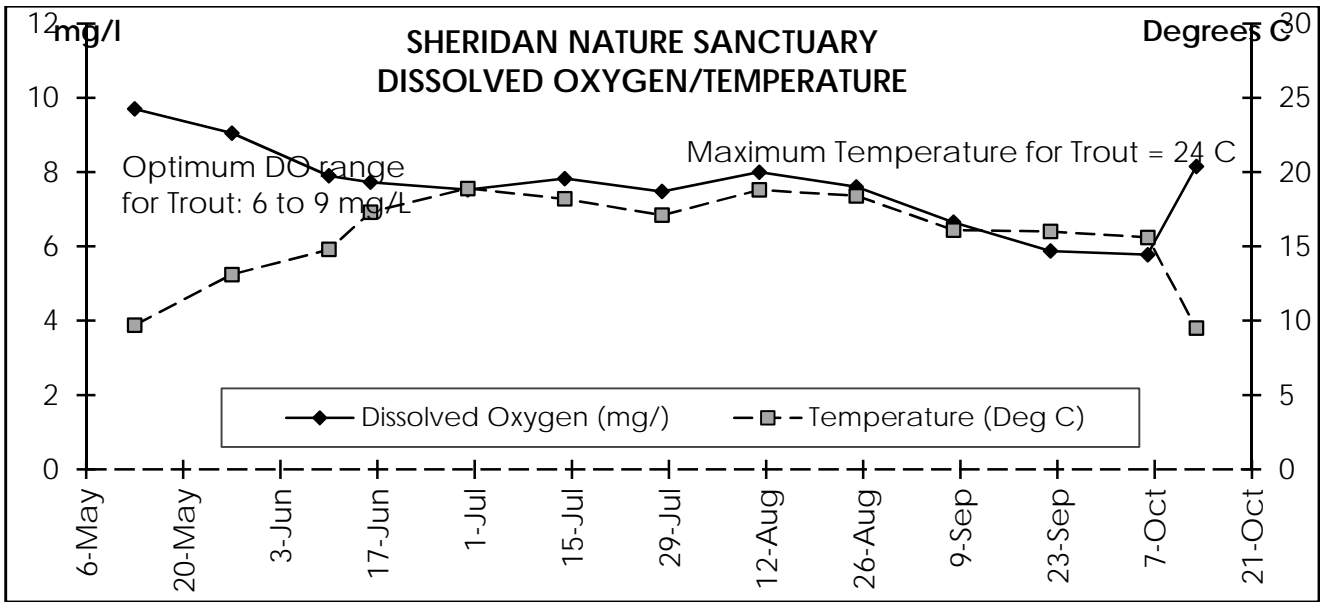


2017 Moshassuck River



2017 Moshassuck River Data

Moshassuck River **MAY** **JUNE** **JULY** **AUG** **SEPT** **OCT**

-----**Total Phosphorus (ppb)**-----

Mean

@ Sheridan Nature Center	14	26	43	21	32	32	28
@ Collyer Field	23	35	53	28	29	90	43
@ West River	12	15	22	11	17	16	16

CEQ recommends maximum 100 ppb TP instream, 50 ppb where steam enters lake/pond

-----**Dissolved Phosphorus (ppb)**-----

Mean

@ Sheridan Nature Center	<4	6	13	10	12	9	10
@ Collyer Field	<4	<4	11	7	9	9	9
@ West River	<4	5	7	4	7	4	5

Soluble portion of phosphorus, limit of detection = 4 ppb

-----**Total Nitrogen (ppb)**-----

Rounded to 10 ppb

Mean

@ Sheridan Nature Center	565	560	760	645	960	430	655
@ Collyer Field	805	985	955	930	915	1845	1075
@ West River	950	1160	760	1260	970	1035	1025

US EPA recommends maximum total nitrogen levels for northeast streams < 710 ppb

-----**Nitrate-Nitrogen (ppb)**-----

Mean

@ Sheridan Nature Center	335	225	250	205	610	205	305
@ Collyer Field	375	440	295	500	520	820	492
@ West River	540	745	300	865	675	730	643

Nitrate-nitrogen levels >1000 ppb indicate human activity

-----**Ammonia-Nitrogen (ppb)**-----

Mean

@ Sheridan Nature Center	45	195	75	55	80	35	80
@ Collyer Field	175	70	95	125	185	300	160
@ West River	85	115	85	135	100	165	115

Limit of Detection = 15 ppb

-----**Chlorides (ppm)**-----

Mean

@ Sheridan Nature Center	202	-	-	-	-	185	194
@ Collyer Field	145	-	-	-	-	134	140
@ West River	108	-	-	-	-	145	127

Chlorides are measured in the spring and fall to assess the impact from winter road salt use.

Levels are expected to be highest in spring.

-----**Enterococci (per 100 mLs)**-----

Maximum

@ Sheridan Nature Center	88	211	2908	102	134	68	2908
@ Collyer Field	71	218	1067	155	109	245	1067
@ West River	101	359	1137	496	213	16	1137

RIHealth Standard for Recreational Contact: Maximum 61 Enterococci per 100 mLs

-----**pH**-----

Minimum

@ Sheridan Nature Center	7.3	7.3	7.5	7.6	7.0	7.7	7.0
@ Collyer Field	7.0	7.1	7.1	7.5	7.2	7.3	7.0
@ West River	7.1	7.1	7.3	7.0	7.0	7.1	7.0

pH of 6 - 9 considered normal

URI Watershed Watch

2/19/18