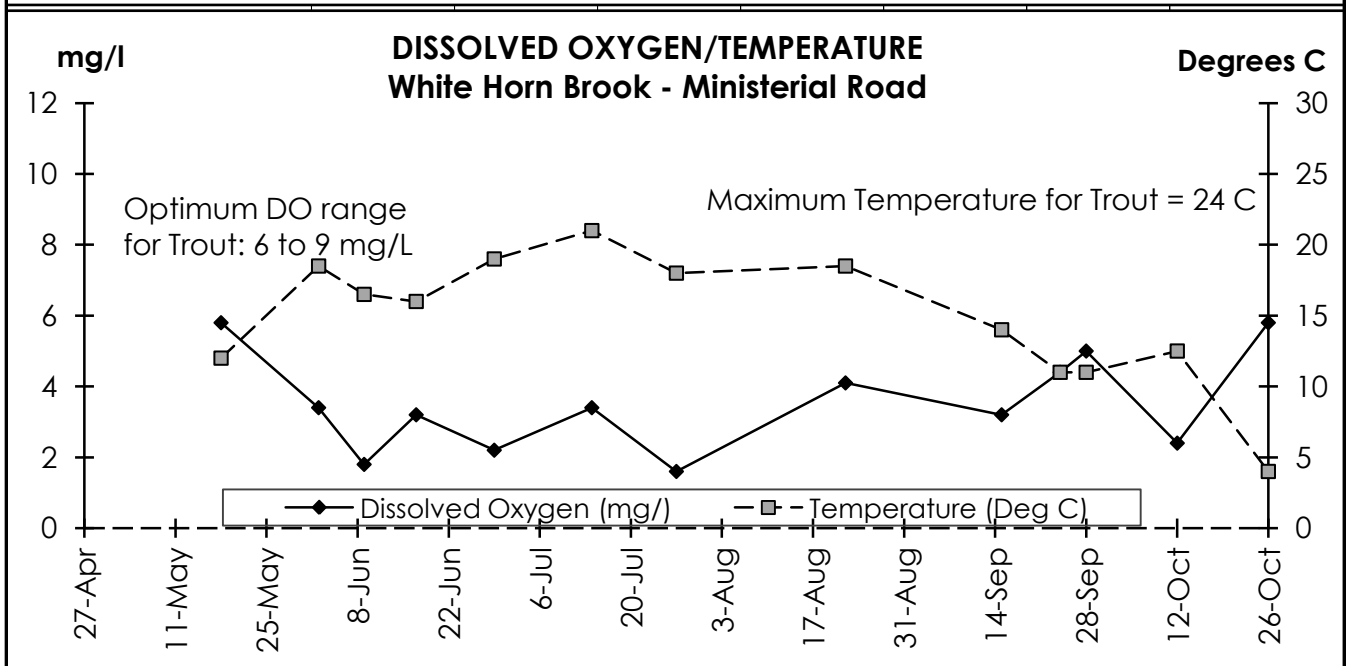
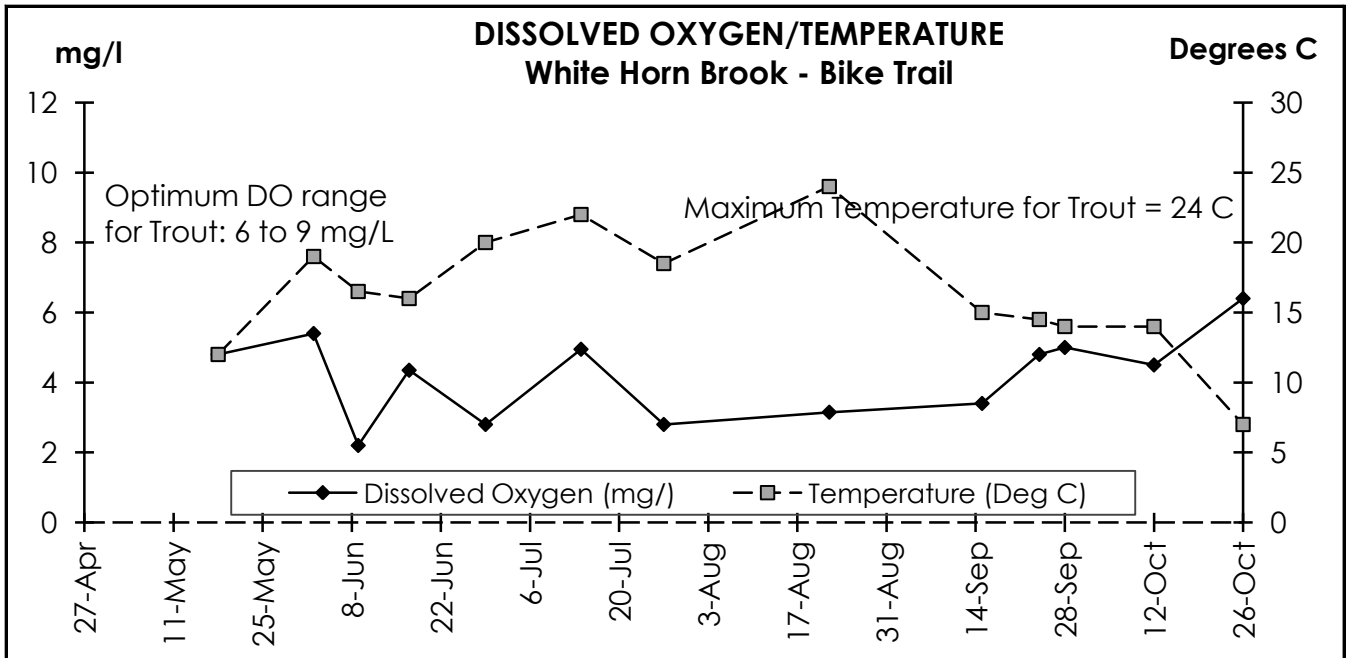


2013 White Horn Brook DATA



RIVER NAME	MAY	JUNE	JULY	AUG	SEPT	OCT	Mean
-----Total Phosphorus (ppb) -----							
White Horn Brook - Bike Trail	40	50	49	31	21	38	38
White Horn Brook - Ministerial Trail	36	63	54	30	45	26	42
CEQ recommends maximum 100 ppb TP instream							

2013 White Horn Brook DATA

	-----Dissolved Phosphorus (ppb) -----						Mean
White Horn Brook - Bike Trail	10	19	18	7	6	16	13
White Horn Brook - Ministerial Trail	15	33	26	15	36	18	24
	<i>Limit of Detection = 4 ppb</i>						
	----- Total Nitrogen (ppb) -----						Mean
	Rounded to 10 ppb						
White Horn Brook - Bike Trail	2200	1050	1085	1135	580	915	1161
White Horn Brook - Ministerial Trail	1400	935	775	1245	885	715	993
	<i>No RI numeric standard exists, but for comparison, US EPA recommended</i>						
	<i>maximum total nitrogen levels for northeast streams = 710 ppb</i>						
	----- Nitrate-Nitrogen (ppb) -----						Mean
	Rounded to 10 ppb						
White Horn Brook - Bike Trail	1425	430	620	645	215	340	613
White Horn Brook - Ministerial Trail	740	295	308	935	535	385	533
	----- Ammonia-Nitrogen (ppb) -----						Mean
	Rounded to 10 ppb						
White Horn Brook - Bike Trail	135	90	105	135	30	240	123
White Horn Brook - Ministerial Trail	150	90	70	110	50	95	94
	<i>ND = No Detect Limit of Detection = 30 ppb</i>						
	<i>Mean determined with half the limit of detection (15 ppb) in place of ND</i>						
	----- Chlorides (ppm) -----						Mean
White Horn Brook - Bike Trail	40	-	-	-	-	36	38
White Horn Brook - Ministerial Trail	37					33	35
	<i>Chlorides are measured in the spring and the fall in order to assess the impact from road salt use</i>						
	<i>in the winter. We would expect chloride levels to be highest in spring, falling to "background" or</i>						
	<i>"normal" levels by fall.</i>						

2013 White Horn Brook DATA

	----- Enterococci (per 100 mLs) -----						Maximum
White Horn Brook - Bike Trail	147	738	488	11	12	137	738
White Horn Brook - Ministerial Trail	67	344	168	199	29	19	344
<i>RIHealth Standard for Recreational Contact: Maximum 61 Enterococci per 100 mLs</i>							
	----- pH -----						Minimum
White Horn Brook - Bike Trail	6.5	6.4	6.3	6.6	6.5	6.6	6.3
White Horn Brook - Ministerial Trail	6.5	6.2	6.3	6.7	6.5	6.5	6.2
<i>pH of 6 - 9 considered normal</i>							

