

<b>WATER QUALITY INDEX (2019)</b>					Q-value X Weight Factor = Total		
<b>Test</b>	<b>Test Results</b>		<b>Q-Value</b>		<b>Weighting Factor</b>	<b>Total</b>	
<b>Dissolved Oxygen (% saturation)</b>	8.2	8.1	99	99	0.17		
	9.5	8.7	93	98			
<b>pH</b>	8.4	8.8	70	56	0.11		
	7.9	7.9	87	87			
<b>Temperature Change (°C)</b>	0	0.3	93	92	0.1		
	1.3	1.5	88	87			
<b>Fecal Coliform colonies/100mL</b>	1,000	1,000	22	22	0.16		
	1,000	10,000	22	10			
<b>BOD (mg/L)</b>	0.2	0.6	99	97	0.11		
	2.0	1.1	80	94			
<b>Nitrate (mg/L)</b>	0.02	0.03	97	97	0.1		
	0.04	0.03	97	97			
<b>Phosphate (mg/L)</b>	0.15	0.26	94	86	0.1		
	0.26	1.21	86	36			
<b>Total Dissolved Solids (mg/L)</b>	361	471	52	36	0.07		
	456	318	39	57			
<b>Total Suspended Solids (feet, or NTU's)</b>	N/A	N/A	N/A	N/A	0.08		
	27.6 in	9.8 in	67	50			
					<b>WQI*</b>		
	Key	North	West				
		Confluence	Barker Lake		*Add totals for each site to get WQI.		