

Parameter	Desirable Range	Spring In	Swimming Pond	Fishing Pond	Outlet	Notes
<b>E.coli</b>	less than 235	<1	<1 (12/7 sample)	15 (12/7 sample)	71	the geometric mean of the most recent 5 samples shall not exceed 126
<b>Alkalinity</b>	more than 20	38	36	30	31	
<b>Dissolved Oxygen</b>	more than 5	7.03	14.66	10.21	10.71	
<b>Nitrate</b>	less than 0.3	4.59	1.32	0.78	0.83	suggests nitrogen (fertilizer, waste water) upstream. Can be addressed with biochar socks at inlet to Fish pond
<b>pH</b>	5.5 - 8	6.1	6.7	6.7	6.8	
<b>Phosphorus-ortho (Soluble Reactive Phosphorus)</b>	less than 0.01	not detected	not detected	not detected	not detected	
<b>Total Phosphorus</b>	less than 0.03	0.04	not detected	0.01	0.01	suggests phosphorus upstream.
<b>TKN (Total Kjeldahl Nitrogen)</b>	less than 1	not detected	not detected	not detected	not detected	
<b>Total Dissolved Solids</b>	less than 300	202	168	154	148	
<b>Turbidity</b>	less than 5	0.3	0.95	1	1.3	