

Average TSI (Trophic Status Index) Values of Clearwater County Lakes from 1985 thru 2007

	Bagley	Big LaSalle	Clearwater	Daniel	Deep	Elk	Falk	First	Heart	Itasca	Johnson	Lindberg	Lomond	Lone	Long	Long Lost	McKenzie	Minerva	Minnow	Moose	Oziwandib	Peterson	Pine	Rockstad	Roy	Upper Rice	Walkerbrook	Wapatus	Parks	N. Long Lake
1985																														
1986																														
1987																														
1988																														
1989																														
1990			45					36				44		31	37				56			47								
1991		39									55		37						60			46								
1992							48				44							46	56			47	63	51		48				
1993	42					42					53											54								
1994		42		47													48		57											
1995																														
1996														37																
1997		43												36	39										47					
1998			47									45					54					49								
1999			45														52		58						49	49				
2000																														
2001	49										50										55								39	35
2002		48												34	41		55								51					
2003																														
2004				39											37		51		56				54		51	32				
2005											53		37					18			55									
2006								41				47				44								53			40			
2007	48					46	49				50												52							
Total Years	3	4	3	2	0	0	2	2	2	0	3	3	3	2	4	4	1	5	2	5	1	2	5	2	3	3	3	1	1	1

Mean Secchi Disk Readings(m) collected for Clearwater County Lakes from 1985 thru 2007

	Bagley	Big LaSalle	Clearwater	Daniel	Deep	Eik	Falk	First	Heart	Itasca	Johnson	Lindberg	Lomond	Lone	Long	Long Lost	McKenzie	Minerva	Minnow	Moose	Oziwandib	Peterson	Fine	Rockstad	Roy	Upper Rice	Walkerbrook	Wapatus	Parks	N. Long Lake	
1985						3.5								5.6						3.5											
1986															5.1																
1987															5.1																
1988															4.8																
1989		3.9	3.1		5.5							3.3	4.2	7.4	5.6							2					3.5				
1990		4.5	2.7		5.5							5.1	4.7	6.8	7.6	5.3						2.6					3.7				
1991		3.7	2.6		5.4		4.4				2.3			5.7	7.5	5.7						2.8					4.6				
1992		3.8	3.1					3.3					3.8		6.7			2.8	1.8			2.5	1	2.4		3.4					
1993	4		3.1				4				2.1				4.8							1.7					2.6				
1994		3.6	2.5	3.2											7		2.4		1.6								3.1				
1995			3												6.1												4.1				
1996			3.7												4.9		1.9						0.9				3.6				
1997		3	2.5			4.5			3.1	1.6				4.8	5.4									3		2.4					
1998		2.7	2.9			3.6				1.7			3.3	5.9	6.2		1.8					2.2				3.2					
1999			3			3.7				1.6				5.5	6.5		1.7		1.6						1.7	3					
2000			3.5			3.6				3.5				6.7	6.3												2.8				
2001	2.4		3.6			2.6				1.9					6							1.6				2.6	x	x			
2002		3.4	2.6			2.6				1.7				5.9	5.6		1.5								2.2	2					
2003			3.6			9.1				5.7					5.8					4.2						3.4					
2004			3			3.7				2.9					6.8		2.1		1.8				2.8			3.4					
2005			2.5		4.5	2.9				3.3		2.6		5.1	6.6				3.3			1.8				2.6					
2006			3						4				2.9		6.7	3.6								1.4		3.1	4.5				
2007	2.6						3.4	2.5			2.2												1.6								
Total Years of Data	3	8	17	1	4	10	3	2	2	9	3	3	5	4	8	20	1	6	2	4	2	3	6	3	3	2	17	1	1	1	

Avg Total Phosphorous (ppb) Samples collected from Clearwater County

	Bagley	Big LaSalle	Clearwater	Daniel	Deep	Elk	Falk	First	Heart	Itasca	Johnson	Lindberg	Lomond	Lone	Long	Long Lost	McKenzie	Minerva	Minnow	Moose	Oziwandib	Peterson	Pine	Rockstad	Roy	Upper Rice	Walkerbrook	Wapatus	Parks	N. Long Lake	
1985																															
1986																															
1987																															
1988																															
1989																															
1990			21					10				19		7	11				49			22									
1991		13									43		13						57			23									
1992							28					19						19	43			23	68	26	27						
1993	13					11					29				13							35									
1994		14		26													24		55												
1995																															
1996														11	12		30							70							
1997		14												9.8	12										19						
1998			20									16					32					25									
1999			19														31		44						17	28					
2000																															
2001	25										23										37								9.9	8.4	
2002		18												7.8	14		38								22						
2003																															
2004			25												12		24		39				45			32					
2005					10						33		9					18			35										
2006			15					9.6				22				16								24			11				
2007	22						23	28			30												28								
Years of Data	3	4	4	1	1	0	2	2	2	0	3	2	4	2	4	6	1	6	2	6	1	2	5	3	5	1	2	1	1	1	

Avg Chlorophyll A (ppb) Samples collected from Clearwater County Lakes - 1985 thru 2007

	Bagley	Big LaSalle	Clearwater	Daniel	Deep	Elk	Falk	First	Heart	Itasca	Johnson	Lindberg	Lomond	Lone	Long	Long Lost	McKenzie	Minerva	Minnow	Moose	Oziwandib	Peterson	Pine	Rockstad	Roy	Upper Rice	Walkerbrook	Wapatus	Parks	N. Long Lake
1985																														
1986																														
1987																														
1988																														
1989																														
1990		3.3										3.1	0.8	5.4				7			4.5									
1991																														
1992							5.3					4						5.8	18		4.3	34	8.3		7.5					
1993	4					5					11				3							11								
1994		3.5		4.4													4.8		11											
1995																														
1996													2		2		6							30						
1997		0.3						4						1.6	3.2										7.8					
1998			4.4									5.2					13					4.8								
1999			4.8														7.8		24						7.2	9				
2000																														
2001	7.3										10		2.5									14						3.5	2.5	
2002		3.7												1.7	5.7		13								15					
2003																														
2004			7												3.5		9.4		19				15			12				
2005					3.2						15		2					6			16									
2006			4.3						5.2			6.4				4.8								11			3.4			
2007	9.8						6.6	18			10											11								
Total Years	3	3	4	1	1	0	2	2	2	0	3	1	4	3	3	6	1	6	2	5	0	3	4	3	3	2	3	1	1	1