

Clean Lakes Program Data Summary

2003

Adams County: **Lagrange** Sample Location: **Deep Hole** Date: **7/21/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																
2003	26.2	3.5	25	24	99.4	8.4	7.6	359.1	256.8	139	150	0.01	0.01	0.019	0.093	2.03	0.059	0.196	0.018	0.16	0.605	0.67	22 <i>High</i>																
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
Temp	25	25	25	25	25	25	24	19	16	15	13	12	9.8	9	8.7	8.4	8.2	8	7.8	7.6	7.5	7.5	7.4	7.4	7.4	7.3	7.3												
DO	8.1	8.1	8.1	8.2	8.3	8.2	7.7	5.5	1.9	0.3	0.3	0.1	0.1	0.07	0.07	0.02	0	0	0	0	0	0	0	0	0	0	0												
% Water Column Oxid: 22.9					Blue-Green Dominance %: 84					Notes:																													
Blue-greens (#/L): 4106			Greens (#/L): 100			Diatoms (#/L): 60			Other algae (#/L): 541					Rotifers (#/L): 20			Zooplankton (#/L): 35.1			Plankton #/L: 4862																			

Allen County: **Kosciusko** Sample Location: **Deep Hole** Date: **8/4/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																	
2003	14.0	2.3	27.6	13	36	7.6	7.2	314	265.5	143	213	0.012	0.681	0.043	0.646		0.013	0.013	0.018	3.193	0.733	4.745	36 <i>Intermediate</i>																	
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35			
Temp	26	26	25	24	23	18	13	8.4	6.6	5.9	5.2	4.9	4.8	4.8	4.8																									
DO	6.8	6.2	3	2.5	8.6	7.5	0.3	0.1	0.1	0.1	0	0	0	0	0																									
% Water Column Oxid: 28.5					Blue-Green Dominance %: 79					Notes:																														
Blue-greens (#/L): 25505			Greens (#/L): 350			Diatoms (#/L): 2530			Other algae (#/L): 3702					Rotifers (#/L): 123			Zooplankton (#/L): 62.7			Plankton #/L: 32273																				

Atwood County: **Lagrange** Sample Location: **Deep Hole** Date: **7/8/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																	
2003	10	1.1	37	13	110	8.6	7.6	354.8	315.4	140	167	0.01	0.01	0.01	0.028	18.33	0.013	0.013	0.018	0.525	0.763	1.204	26 <i>Intermediate</i>																	
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35			
Temp	27	27	27	26	26	23	19	17	17	16	15	14																												
DO	8.6	8.8	8.8	8.6	8.3	5.1	0.3	0	0	0	0	0																												
% Water Column Oxid: 40					Blue-Green Dominance %: 52					Notes:																														
Blue-greens (#/L): 6725			Greens (#/L): 783			Diatoms (#/L): 367			Other algae (#/L): 4744					Rotifers (#/L): 122			Zooplankton (#/L): 127.8			Plankton #/L: 12869																				

Clean Lakes Program Data Summary

2003

Backwater

County: **Kosciusko**

Sample Location: **Deep Hole**

Date: **8/5/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:															
2003	1.5	1.4	25	5	80.5	8.1		490		191		0.03		0.057		8.33	0.424		0.018		1.046		19 High															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	27	24	23																																			
DO	7.4	7.5	6.8																																			
% Water Column Oxidation: 100					Blue-Green Dominance %: 24					Notes:																												
Blue-greens (#/L): 1018			Greens (#/L): 1923			Diatoms (#/L): 226			Other algae (#/L): 1056			Rotifers (#/L): 0			Zooplankton (#/L): 13.7			Plankton #/L: 4237																				

Banning

County: **Kosciusko**

Sample Location: **Deep Hole**

Date: **8/18/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:															
2003	4.3	1.8	30	12	100	8.1	7.7	378.9	424	148	150	0.01	0.01	0.024	0.03	5.77	0.013	0.013	0.018	0.023	0.889	0.858	16 High															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	28	28	27	27	26																																	
DO	7.3	7.3	6.9	6.1	3.2																																	
% Water Column Oxidation: 100					Blue-Green Dominance %: 53					Notes:																												
Blue-greens (#/L): 1568			Greens (#/L): 64			Diatoms (#/L): 191			Other algae (#/L): 615			Rotifers (#/L): 445			Zooplankton (#/L): 84.2			Plankton #/L: 2967																				

Barrel and a Half

County: **Kosciusko**

Sample Location: **Deep Hole**

Date: **8/4/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:															
2003	14.6	1.3	23	11	22	7.6	7.1	360	293.6	155	231	0.01	1.002	0.045	0.93	9.79	0.013	0.013	0.018	4.17	1.074	6.021	54 Low															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	26	26	25	24	21	15	10	7.3	6	5.5	5	4.8	4.7	4.5	4.4																							
DO	6.5	4.3	2.7	1	1.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0																							
% Water Column Oxidation: 10					Blue-Green Dominance %: 77					Notes:																												
Blue-greens (#/L): 87773			Greens (#/L): 32			Diatoms (#/L): 18963			Other algae (#/L): 6723			Rotifers (#/L): 190			Zooplankton (#/L): 14.4			Plankton #/L: 113695																				

Clean Lakes Program Data Summary

2003

Bear County: **Noble** Sample Location: **Deep Hole** Date: **8/11/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:															
2003	16.1	1.1	26	10	118	8.9	7.5	376.3	314.3	134	197	0.01	0.388	0.03	0.238	13.88	0.013	0.013	0.041	2.467	0.809	3.479	41															
																							<i>Intermediate</i>															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	26	26	26	26	25	22	18	15	13	11	9.8	9.1	8.8	8.6	8.5	8.5	8.4																					
DO	9.9	9.8	9.7	8.3	4.6	0.03	0.03	0.03	0.02	0.01	0.01	0.01	0.01	0	0	0	0																					
% Water Column Oxid:					18.6	Blue-Green Dominance %:					86	Notes:																										
Blue-greens (#/L):			25670	Greens (#/L):			712	Diatoms (#/L):			780	Other algae (#/L):			1594	Rotifers (#/L):			576	Zooplankton (#/L):			368.2	Plankton #/L:			29701											

Big Barbee County: **Kosciusko** Sample Location: **Deep Hole** Date: **8/18/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:															
2003	13.1	1	20	6	141.8	8.6	7.5	432.6	532	160	250	0.011	0.951	0.045	0.988	14.22	0.376	0.013	0.018	2.923	1.207	3.671	46															
																							<i>Intermediate</i>															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	28	28	28	28	27	25	24	21	18	15	14	13	12	11																								
DO	12	11	11	10	8.3	1.7	0.6	0.5	0.4	0.4	0.4	0.3	0.3	0.3																								
% Water Column Oxid:					22.9	Blue-Green Dominance %:					77	Notes:																										
Blue-greens (#/L):			27126	Greens (#/L):			492	Diatoms (#/L):			6884	Other algae (#/L):			738	Rotifers (#/L):			82	Zooplankton (#/L):			46.6	Plankton #/L:			35368											

Bixler County: **Noble** Sample Location: **Deep Hole** Date: **7/21/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:															
2003	11.6	2.6	43	16	105	8.5	7.5	411.8	357.4	130	179	0.01	0.474	0.027	0.521	3.37	0.026	0.016	0.025	1.158	0.744	2.586	32															
																							<i>Intermediate</i>															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	26	26	26	26	25	25	21	16	15	14	12	12																										
DO	8.5	8.5	8.5	8.6	8.5	6.8	1	1	0	0	0	0																										
% Water Column Oxid:					34.4	Blue-Green Dominance %:					71	Notes:																										
Blue-greens (#/L):			17445	Greens (#/L):			125	Diatoms (#/L):			188	Other algae (#/L):			5864	Rotifers (#/L):			751	Zooplankton (#/L):			100.2	Plankton #/L:			24474											

Clean Lakes Program Data Summary

2003

Blackman

County: **Lagrange**

Sample Location: **Deep Hole**

Date: **6/30/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																
2003	16.7	6.9	60	28	105	8.7	7.5	349.6	276.3	116	156	0.01	0.195	0.01	0.218	1.35	0.013	0.013	0.024	1.062	0.756	1.82	17 High																
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
Temp	24	24	24	24	24	23	19	16	13	11	8.8	8.2	7.9	7.7	7.6	7.6	7.5	7.5																					
DO	8.6	8.7	8.9	8.9	8.8	10	7.7	0.3	0.2	0.1	0.2	0.1	0.1	0	0	0	0	0																					
% Water Column Oxidation: 29.9					Blue-Green Dominance %: 6					Notes:																													
Blue-greens (#/L): 433			Greens (#/L): 39			Diatoms (#/L): 79			Other algae (#/L): 6905			Rotifers (#/L): 0			Zooplankton (#/L): 7.3			Plankton #/L: 7463																					

Brokesha

County: **Lagrange**

Sample Location: **Deep Hole**

Date: **7/14/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																	
2003	5.18	2.6	65	16	101.5	8.6	8.3	319.1	323.4	144	151	0.01	0.01	0.01	0.027	1.34	0.013	0.013	0.018	0.018	0.686	0.64	5 High																	
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35			
Temp	27	27	27	26	25	24	8.6	8.3	7.3	7.8	7.4	5																												
DO	8.6	8.3	7.3	7.8	7.4	5	0	0	0	0	0	0																												
% Water Column Oxidation: 100					Blue-Green Dominance %: 45					Notes:																														
Blue-greens (#/L): 2477			Greens (#/L): 23			Diatoms (#/L): 1227			Other algae (#/L): 1505			Rotifers (#/L): 208			Zooplankton (#/L): 23.9			Plankton #/L: 5464																						

Buck

County: **Lagrange**

Sample Location: **Deep Hole**

Date: **7/14/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																	
2003	6.1	1.3	30	8	144	8.3	7.7	583	567	252	284	0.01	0.01	0.021	0.053	48.7	1.369	1.141	0.02	0.952	0.83	1.65	37 Intermediate																	
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35			
Temp	23	22	20	20	20	19	16																																	
DO	17	16	13	10	7.8	4.3	0.3																																	
% Water Column Oxidation: 65.6					Blue-Green Dominance %: 0					Notes:																														
Blue-greens (#/L): 0			Greens (#/L): 2061			Diatoms (#/L): 119125			Other algae (#/L): 13131			Rotifers (#/L): 35			Zooplankton (#/L): 20.7			Plankton #/L: 134373																						

Clean Lakes Program Data Summary

2003

Cass County: **Lagrange** Sample Location: **Deep Hole** Date: **7/14/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:															
																							17															
2003	6.71	2.1	69	18	112	8.4	7.9	402	399	157	179	0.01	0.01	0.013	0.013	2.59	0.03	0.013	0.258	0.478	1.1	1.253	High															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	26	26	26	26	25	24	21	17																														
DO	9.3	9.3	9.1	9	8.8	6.8	0.4	0																														

% Water Column Oxid: 59.6 Blue-Green Dominance %: 77 Notes:
 Blue-greens (#/L): 1369 Greens (#/L): 9 Diatoms (#/L): 237 Other algae (#/L): 137 Rotifers (#/L): 9 Zooplankton (#/L): 15.6 Plankton #/L: 1777

Cedar County: **Lagrange** Sample Location: **Deep Hole** Date: **7/1/2002**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																
																							9																
2003	9.4	2.7	35	26	114	8.3	7.7	468.4	426.5	150	188	0.01	0.01	0.016	0.026	0.38	0.577	0.18	0.285	0.772	0.959	1.469	High																
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
Temp	25	25	25	25	24	24	22	15	18	17	16																												
DO	9.7	9.4	9.4	9.5	9.1	8.9	12	13	7.8	1.7	0																												

% Water Column Oxid: 84.7 Blue-Green Dominance %: 10 Notes:
 Blue-greens (#/L): 492 Greens (#/L): 23 Diatoms (#/L): 1255 Other algae (#/L): 3263 Rotifers (#/L): 64 Zooplankton (#/L): 8.2 Plankton #/L: 5105

Cree County: **Noble** Sample Location: **Deep Hole** Date: **7/21/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																
																							15																
2003	7.62	1.6	23	14	129	8.6	7.2	474	371	136	177	0.01	0.01	0.017	0.055	9.95	0.685	0.094	0.078	0.384	1.083	1.649	High																
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
Temp	26	26	26	26	25	20	15	11																															
DO	10	10	11	11	9	0.3	0.2	0																															

% Water Column Oxid: 39.5 Blue-Green Dominance %: 42 Notes:
 Blue-greens (#/L): 1748 Greens (#/L): 219 Diatoms (#/L): 743 Other algae (#/L): 1377 Rotifers (#/L): 0 Zooplankton (#/L): 36.8 Plankton #/L: 4124

Clean Lakes Program Data Summary

2003

Dallas County: **Lagrange** Sample Location: **Deep Hole** Date: **7/8/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:															
2003	28.9	2	60	19	98	8.4	7.6	475.5	303.8	180	202	0.01	0.186	0.017	0.118	8.6	0.09	0.037	0.026	1.103	0.641	1.373	26															
																							Intermediate															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	27	27	26	26	26	26	20	17	14	12	9.5	8.4	7.8	7	6.7	6.4	6.3	6	5.9	5.8	5.7	5.6	5.6	5.5	5.5	5.5	5.4	5.4										
DO	7.8	7.8	7.5	7.8	7.9	7.9	7.8	7.7	6.3	3.6	1.8	1.9	2.2	2.7	2.8	3.4	3.7	3.2	2.8	2.2	1.9	1.2	0	0	0	0	0	0										
% Water Column Oxidation: 69.9					Blue-Green Dominance %: 97					Notes:																												
Blue-greens (#/L): 40254					Greens (#/L): 130					Diatoms (#/L): 148					Other algae (#/L): 1131					Rotifers (#/L): 37					Zooplankton (#/L): 25.3					Plankton #/L: 41725								

Diamond County: **Noble** Sample Location: **Deep Hole** Date: **7/28/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:															
2003	24.4	2.5	45	20	103.3	8.4	7.6	501	333	161	190	0.01	0.027	0.01	0.042	1.97	0.765	0.053	0.053	0.722	1.131	1.492	24															
																							High															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	25	25	25	25	24	24	21	17	14	12	9.2	7.6	7.2	6.7	6.4	6.2	6.1	6.1	6	6	6	5.9	5.9	5.9	5.9													
DO	8.8	8.8	8.8	8.7	8.7	8.5	3.2	1.4	0.6	0.07	0.05	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
% Water Column Oxidation: 20.5					Blue-Green Dominance %: 71					Notes:																												
Blue-greens (#/L): 2484					Greens (#/L): 32					Diatoms (#/L): 25					Other algae (#/L): 693					Rotifers (#/L): 227					Zooplankton (#/L): 29.3					Plankton #/L: 3490								

Duely County: **Noble** Sample Location: **Deep Hole** Date: **7/29/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																
2003	5.8	2.6	50	13	77	8.2	7.6	518	481	184	187	0.01	0.025	0.021	0.035	3.76	2.628	1.075	0.09	0.299	1.064	1.166	13																
																							High																
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
Temp	25	24	24	24	23	22	16																																
DO	6.9	6.7	6.4	6.1	3.4	0.4	0																																
% Water Column Oxidation: 52					Blue-Green Dominance %: 34					Notes:																													
Blue-greens (#/L): 4895					Greens (#/L): 47					Diatoms (#/L): 505					Other algae (#/L): 8639					Rotifers (#/L): 211					Zooplankton (#/L): 39					Plankton #/L: 14336									

Clean Lakes Program Data Summary

2003

Eagle		County: Noble															Sample Location: Deep Hole										Date: 7/28/2003																																										
Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																																														
2003	13.4	1.2	25	12	108.7	8.4	7.5	527	395.1	158	220	0.01	0.162	0.01	0.166	7.98	0.828	0.014	0.096	1.81	1.186	2.867	29																																														
																							<i>Intermediate</i>																																														
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35																																
Temp	25	24	24	24	24	23	18	14	11	10	9.3	8.5	8.2	7.9																																																							
DO	9.2	9	8.9	9.2	8.3	5.7	0.3	0.2	0.1	0.04	0	0	0	0																																																							
% Water Column Oxid:					29.8					Blue-Green Dominance %:					39					Notes:																																																	
Blue-greens (#/L):					4066					Greens (#/L):					795					Diatoms (#/L):					998					Other algae (#/L):					4232					Rotifers (#/L):					222					Zooplankton (#/L):					46.7					Plankton #/L:					10358				

Emma		County: Lagrange															Sample Location: Deep Hole										Date: 7/7/2003																																										
Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																																														
2003	9.1	2.4	35	15	125	8.2	7.7	717		229	305	0.01	0.077	0.017	0.035	4.29	1.17	0.521	0.018	1.82	0.689	2.778	42																																														
																							<i>Intermediate</i>																																														
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35																																
Temp	26	26	26	26	25	21	18	15	14	13	13																																																										
DO	10	10	10	10	11	5.6	0	0	0	0	0																																																										
% Water Column Oxid:					44					Blue-Green Dominance %:					1					Notes:																																																	
Blue-greens (#/L):					4626					Greens (#/L):					2621					Diatoms (#/L):					2313					Other algae (#/L):					618764					Rotifers (#/L):					0					Zooplankton (#/L):					134.9					Plankton #/L:					628459				

Engle		County: Noble															Sample Location: Deep Hole										Date: 7/28/2003																																										
Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																																														
2003	7.62	2.1	38	17	108.7	8.4	7.6	539	506	151	205	0.01	0.01	0.032	0.067	3.84	0.181	0.013	0.058	0.422	1.574	1.351	25																																														
																							<i>High</i>																																														
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35																																
Temp	25	25	25	25	24	23	19	15																																																													
DO	8.9	9.3	9.4	9.4	8.3	5.3	0.6	0.2																																																													
% Water Column Oxid:					52.5					Blue-Green Dominance %:					89					Notes:																																																	
Blue-greens (#/L):					42670					Greens (#/L):					50					Diatoms (#/L):					1377					Other algae (#/L):					3255					Rotifers (#/L):					676					Zooplankton (#/L):					54.5					Plankton #/L:					48084				

Clean Lakes Program Data Summary

2003

Fish		County: Elkhart										Sample Location: Deep Hole										Date: 7/15/2003																																															
Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																																														
2003	9.75	0.8	11	6	107	8.9	7.2	296	233	119	151	0.01	0.803	0.04	0.802	26.44	0.013	0.013	0.018	1.604	1.736	2.572	53																																														
																							Low																																														
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35																																
Temp	25	25	25	25	22	15	12	11	8.7	8.3																																																											
DO	11	9	8.7	8.6	0.1	0	0	0	0	0																																																											
% Water Column Oxid:					20.5					Blue-Green Dominance %:					88					Notes:																																																	
Blue-greens (#/L):					95470					Greens (#/L):					796					Diatoms (#/L):					159					Other algae (#/L):					10183					Rotifers (#/L):					1750					Zooplankton (#/L):					69.6					Plankton #/L:					108428				

Fish Lake (Plato)		County: Lagrange										Sample Location: Deep Hole										Date: 7/1/2003																																															
Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																																														
2003	22.9	2.9	53	14.5	124.5	8.6	7.6	520	324.7	177	199	0.01	0.053	0.015	0.061	1.12	1.762	1.449	0.018	0.065	1.197	0.85	32																																														
																							Intermediate																																														
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35																																
Temp	28	26	25	25	24	20	16	12	10	8.5	7.4	6.5	6	5.8	5.6	5.4	5.3	5.2	5.1	5.1	5.1	5.1	5.1																																														
DO	9.9	10	10	10	11	14	12	4.8	5.3	6.4	6.8	7	7.3	7.8	8.5	7.8	6.8	6	3.9	2.5	2.3	1.7	1																																														
% Water Column Oxid:					91.7					Blue-Green Dominance %:					90					Notes:																																																	
Blue-greens (#/L):					75954					Greens (#/L):					80					Diatoms (#/L):					176					Other algae (#/L):					7733					Rotifers (#/L):					96					Zooplankton (#/L):					44.8					Plankton #/L:					84083				

Gilbert		County: Noble										Sample Location: Deep Hole										Date: 8/11/2003																																															
Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																																														
2003	9.44	4.8	85	25	109.5	8.5	7.5	378.6	360.9	134	206	0.01	0.01	0.01	0.013	1.65	0.013	0.013	0.044	0.582	0.729	1.545	7																																														
																							High																																														
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35																																
Temp	27	27	27	27	26	25	22	17	14	12	9.8																																																										
DO	7.9	7.9	7.7	7.4	8	6.3	7	1.6	0.8	1.3	0.1																																																										
% Water Column Oxid:					53.2					Blue-Green Dominance %:					34					Notes:																																																	
Blue-greens (#/L):					2495					Greens (#/L):					9					Diatoms (#/L):					1655					Other algae (#/L):					2951					Rotifers (#/L):					143					Zooplankton (#/L):					59.6					Plankton #/L:					7313				

Clean Lakes Program Data Summary

2003

Gordy			County: Noble											Sample Location: Deep Hole											Date: 7/29/2003																																										
Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:	26	<i>Intermediate</i>																																										
2003	10.7	3	55	15	95.5	8.3	7.4	531	380	178	247	0.01	0.399	0.012	0.211	3.55	3.614	0.6	0.077	1.83	1.081	2.703																																													
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35																														
Temp	27	25	24	24	24	22	16	11	8.3	6.9	6.2	5.7																																																							
DO	8	7.9	7.8	8	7.9	4.9	0.2	0.1	0.1	0.1	0.1	0.1																																																							
% Water Column Oxid:			37.5					Blue-Green Dominance %:					34					Notes:																																																	
Blue-greens (#/L):			10907					Greens (#/L):					140					Diatoms (#/L):					2262					Other algae (#/L):					18499					Rotifers (#/L):					316					Zooplankton (#/L):					32.3					Plankton #/L:					32156				

Hackenburg			County: Lagrange											Sample Location: Deep Hole											Date: 7/8/2003																																										
Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:	32	<i>Intermediate</i>																																										
2003	11	2.8	25	12	100.5	8	7.4	472.5	324	165	207	0.01	0.219	0.01	0.236	10.61	0.044	0.018	0.034	2.131	0.572	2.445																																													
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35																														
Temp	28	28	27	27	23	17	12	9.6	7.1	6.3	5.9	5.7																																																							
DO	8.4	8.4	8.1	7.9	9.6	9.8	0.7	0	0	0	0	0																																																							
% Water Column Oxid:			36.4					Blue-Green Dominance %:					84					Notes:																																																	
Blue-greens (#/L):			49810					Greens (#/L):					326					Diatoms (#/L):					5064					Other algae (#/L):					3735					Rotifers (#/L):					50					Zooplankton (#/L):					25.1					Plankton #/L:					59010				

Hammond			County: Kosciusko											Sample Location: Deep Hole											Date: 8/4/2003																																										
Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:	42	<i>Intermediate</i>																																										
2003	10.1	2.6	30	13	39	7.6	7	317	286.5	148	227	0.01	0.923	0.025	0.523	4.17	0.013	0.013	0.018	5.025	0.682	6.55																																													
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35																														
Temp	26	25	25	24	23	16	11	7.2	5.8	5.3	5.1																																																								
DO	5.8	5	3.2	3.1	9.7	7.7	0.5	0.1	0.1	0	0																																																								
% Water Column Oxid:			39.6					Blue-Green Dominance %:					99					Notes:																																																	
Blue-greens (#/L):			81421					Greens (#/L):					162					Diatoms (#/L):					135					Other algae (#/L):					351					Rotifers (#/L):					189					Zooplankton (#/L):					56.5					Plankton #/L:					82314				

Clean Lakes Program Data Summary

2003

Harper

County: **Noble**

Sample Location: **Deep Hole**

Date: **8/12/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																
2003	7.01	1.4	35	14	120	8.6	7.4	436.4	458	154	235	0.01	0.01	0.017	0.076	3.78	0.427	0.013	0.035	0.65	0.839	1.979	34																
																							<i>Intermediate</i>																
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
Temp	26	26	26	26	25	22	18	14																															
DO	9.7	9.8	9.6	9.6	6.3	2.3	0	0																															
% Water Column Oxidation:					57.1	Blue-Green Dominance %:					66	Notes:						Rotifers (#/L):					360	Zooplankton (#/L):					54.7	Plankton #/L:					37525				
Blue-greens (#/L):			24564	Greens (#/L):			297	Diatoms (#/L):			5998	Other algae (#/L):			6252	Rotifers (#/L):			360	Zooplankton (#/L):			54.7	Plankton #/L:			37525												

Heaton

County: **Elkhart**

Sample Location: **Deep Hole**

Date: **7/15/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																	
2003	6.4	1.5	25	12	105	8.6	7.7	354.4	348.8	152	192	0.01	0.011	0.02	0.04	2.82	0.013	0.013	0.019	0.082	1.154	1.312	18																	
																							<i>High</i>																	
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35			
Temp	26	26	26	26	24	21	17																																	
DO	8.8	8.6	8.6	8.5	5	3.6	0.2																																	
% Water Column Oxidation:					62.5	Blue-Green Dominance %:					43	Notes:						Rotifers (#/L):					175	Zooplankton (#/L):					21.7	Plankton #/L:					11377					
Blue-greens (#/L):			4863	Greens (#/L):			702	Diatoms (#/L):			3484	Other algae (#/L):			2131	Rotifers (#/L):			175	Zooplankton (#/L):			21.7	Plankton #/L:			11377													

High

County: **Noble**

Sample Location: **Deep Hole**

Date: **8/11/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																	
2003	7.9	0.8	14	7	106	8.7	7.4	428	404	144	246	0.01	0.195	0.064	0.18	23.86	0.954	0.072	0.072	4.083	1.859	5.656	59																	
																							<i>Low</i>																	
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35			
Temp	26	26	25	24	22	18	13	11																																
DO	11	11	8.6	3.4	0.03	0.01	0.01	0																																
% Water Column Oxidation:					25.3	Blue-Green Dominance %:					87	Notes:						Rotifers (#/L):					626	Zooplankton (#/L):					356.4	Plankton #/L:					208669					
Blue-greens (#/L):			181080	Greens (#/L):			2113	Diatoms (#/L):			11660	Other algae (#/L):			12834	Rotifers (#/L):			626	Zooplankton (#/L):			356.4	Plankton #/L:			208669													

Clean Lakes Program Data Summary

2003

Hindman

County: **Noble**

Sample Location: **Deep Hole**

Date: **8/11/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:															
2003	5.5	2.1	37	11	137	8.3	7.6	532	535	180	229	0.01	0.01	0.03	0.053	9.54	3.104	0.919	0.047	0.639	1.186	1.989	48 <i>Intermediate</i>															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	25	25	24	23	21	18																																
DO	9.6	9.5	12	9	7.6	0																																
% Water Column Oxidation: 54.5					Blue-Green Dominance %: 91					Notes:																												
Blue-greens (#/L): 183085					Greens (#/L): 1000					Diatoms (#/L): 1800					Other algae (#/L): 15799					Rotifers (#/L): 650					Zooplankton (#/L): 42.6					Plankton #/L: 202376								

Hunter

County: **Elkhart**

Sample Location: **Deep Hole**

Date: **7/14/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																
2003	8.23	3.5	52	20	113	8.7	7.7	363.2	333.2	136	163	0.01	0.01	0.045	0.01	0.42	0.013	0.013	0.018	0.285	0.944	1.675	6 <i>High</i>																
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
Temp	27	27	27	27	25	24	22	19	17																														
DO	9.3	9.1	9	9	9.7	8.9	11	2.3	0.1																														
% Water Column Oxidation: 73.1					Blue-Green Dominance %: 49					Notes:																													
Blue-greens (#/L): 1236					Greens (#/L): 10					Diatoms (#/L): 40					Other algae (#/L): 1128					Rotifers (#/L): 79					Zooplankton (#/L): 19.7					Plankton #/L: 2512									

Indian Village

County: **Noble**

Sample Location: **Deep Hole**

Date: **7/29/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																
2003	6.7	1.5	31	10	80.1	8.1	7.6	508	451.2	178	214	0.011	0.01	0.042	0.024	12.75	2.352	0.589	0.072	0.413	1.226	1.357	34 <i>Intermediate</i>																
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
Temp	25	24	24	24	24	21	15	11																															
DO	7.4	7.3	7.1	6.2	4.7	0.2	0.1	0																															
% Water Column Oxidation: 44.8					Blue-Green Dominance %: 8					Notes:																													
Blue-greens (#/L): 7897					Greens (#/L): 320					Diatoms (#/L): 137					Other algae (#/L): 92575					Rotifers (#/L): 2191					Zooplankton (#/L): 18.4					Plankton #/L: 103138									

Clean Lakes Program Data Summary

2003

Irish County: **Kosciusko** Sample Location: **Deep Hole** Date: **8/18/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																
2003	10.4	1	32	12	129.5	8.7	7.6	391	461	149	215	0.01	0.38	0.037	0.391	10.25	0.013	0.013	0.027	1.585	1.023		47 <i>Intermediate</i>																
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
Temp	28	28	27	27	26	25	24	22	18	16	15																												
DO	10	11	10	9.3	6.2	1.8	1.1	0.6	0.5	0.5	0.4																												

% Water Column Oxid: 29 Blue-Green Dominance %: 93 Notes:
 Blue-greens (#/L): 64329 Greens (#/L): 842 Diatoms (#/L): 1965 Other algae (#/L): 2045 Rotifers (#/L): 281 Zooplankton (#/L): 73.8 Plankton #/L: 69536

James County: **Kosciusko** Sample Location: **Deep Hole** Date: **8/19/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																
2003	18.6	1.4	37	17	122	8.5	7.6	475.4	358.7	167	230	0.01	0.281	0.027	0.289	4.13	0.013	0.013	0.031	1.717	0.789	2.14	26 <i>Intermediate</i>																
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
Temp	28	28	28	28	27	25	24	21	19	15	12	11	9.5	9.2	8.8	8.5	8.2	8	7.9																				
DO	9.5	9.5	9.4	9.1	8.1	3.6	0.3	0.1	0.1	0	0	0	0	0	0	0	0	0	0																				

% Water Column Oxid: 21.5 Blue-Green Dominance %: 26 Notes:
 Blue-greens (#/L): 1073 Greens (#/L): 1301 Diatoms (#/L): 1096 Other algae (#/L): 616 Rotifers (#/L): 91 Zooplankton (#/L): 0 Plankton #/L: 4177

Jones County: **Noble** Sample Location: **Deep Hole** Date: **7/22/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																
2003	6.7	0.5	8	5	97	8.2	7.5	447	484	154	222	0.01	0.38	0.055	0.266	39.1	0.028	0.029	0.093	2.17	1.705	3.057	51 <i>Low</i>																
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
Temp	25	25	25	25	24	20	17																																
DO	7.9	8.2	8	7.9	0.5	0.05	0																																

% Water Column Oxid: 30 Blue-Green Dominance %: 94 Notes:
 Blue-greens (#/L): 138231 Greens (#/L): 1081 Diatoms (#/L): 1195 Other algae (#/L): 5632 Rotifers (#/L): 398 Zooplankton (#/L): 199.4 Plankton #/L: 146735

Clean Lakes Program Data Summary

2003

Kiser County: **Kosciusko** Sample Location: **Deep Hole** Date: **8/5/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																
2003	6.1	2.8	47	15	56	8	7.4	500	476	220	298	0.013	0.023	0.029	0.128	2.75	0.013	0.013	0.018	1.754	0.451	3.135	15 <i>High</i>																
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
Temp	27	25	25	24	23	18	12																																
DO	5.4	5.4	4.6	2.6	1.7	0.3	0.05																																

% Water Column Oxid: 32.8 Blue-Green Dominance %: 21 Notes:

Blue-greens (#/L): 350 Greens (#/L): 64 Diatoms (#/L): 111 Other algae (#/L): 780 Rotifers (#/L): 286 Zooplankton (#/L): 110.4 Plankton #/L: 1701

Knapp County: **Noble** Sample Location: **Deep Hole** Date: **8/12/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																
2003	17.3	1.2	32	9.5	125	8.6	7.5	498	368	156	238	0.01	0.626	0.02	0.604	3.01	4.193	0.17	0.03	1.887	1.273	3.046	68 <i>Low</i>																
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
Temp	26	26	26	26	24	22	18	14	12	9.8	8.1	7.2	6.8	6.5	6.3	5.9	5.8	5.8	5.7																				
DO	9.9	10	11	3.7	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																

% Water Column Oxid: 17.3 Blue-Green Dominance %: 99 Notes:

Blue-greens (#/L): 742351 Greens (#/L): 631 Diatoms (#/L): 1263 Other algae (#/L): 8417 Rotifers (#/L): 421 Zooplankton (#/L): 87.3 Plankton #/L: 753170

Kuhn County: **Kosciusko** Sample Location: **Deep Hole** Date: **8/18/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																	
2003	7.5	3.2	37	19	105.3	8.4	7.7	405	426	174	189	0.011	0.01	0.013	0.027	1.86	0.013	0.013	0.018	0.018	0.606	0.753	16 <i>High</i>																	
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35			
Temp	28	28	28	28	27	26	24	21																																
DO	8.2	8.2	8.2	7.9	8.2	7.4	4.3	0.7																																

% Water Column Oxid: 66.7 Blue-Green Dominance %: 82 Notes:

Blue-greens (#/L): 1660 Greens (#/L): 10 Diatoms (#/L): 116 Other algae (#/L): 183 Rotifers (#/L): 39 Zooplankton (#/L): 14.3 Plankton #/L: 2022

Clean Lakes Program Data Summary

2003

Latta County: **Noble** Sample Location: **Deep Hole** Date: **7/21/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hyp	Cond - epi	Cond - hyp	Alk - epi	Alk - hyp	SRP - epi	SRP - hyp	TP - epi	TP - hyp	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																
2003	10.4	1.2	33	14	127	8.5	7.4	451	338.6	179	233	0.01	0.033	0.022	0.109	5.79	0.312	0.029	0.013	2.744	0.72	3.825	27																
																							Intermediate																
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
Temp	27	27	27	26	25	23	18	13	9.6	7.7	6.4																												
DO	10	10	10	10	9	13		14	0.2	0.1	0																												
% Water Column Oxid:					57.7	Blue-Green Dominance %:					12	Notes:						Rotifers (#/L):					24	Zooplankton (#/L):					35.6	Plankton #/L:					49888				
Blue-greens (#/L):					6082	Greens (#/L):					1099	Diatoms (#/L):					38983	Other algae (#/L):					3664																

Little Barbee County: **Kosciusko** Sample Location: **Deep Hole** Date: **8/18/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hyp	Cond - epi	Cond - hyp	Alk - epi	Alk - hyp	SRP - epi	SRP - hyp	TP - epi	TP - hyp	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																
2003	6.71	0.7	16	7	163.7	8.7	7.6	414.1	476.3	152	191	0.01	0.011	0.074	0.054	20.02	0.161	0.013	0.031	0.815	1.211	1.659	45																
																							Intermediate																
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
Temp	29	29	28	27	26	24	22																																
DO	13	13	13	11	2.9	0.6	0.5																																
% Water Column Oxid:					44.7	Blue-Green Dominance %:					69	Notes:						Rotifers (#/L):					2305	Zooplankton (#/L):					128.6	Plankton #/L:					89835				
Blue-greens (#/L):					62373	Greens (#/L):					1647	Diatoms (#/L):					14227	Other algae (#/L):					9155																

Little Bause County: **Noble** Sample Location: **Deep Hole** Date: **8/12/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hyp	Cond - epi	Cond - hyp	Alk - epi	Alk - hyp	SRP - epi	SRP - hyp	TP - epi	TP - hyp	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																
2003	4.9	3.4	40	13	135	8.1	7.8	461.7	497	176	208	0.01	0.01	0.037	0.019	3.67	1.795	3.279	0.054	0.039	0.73	0.763	17																
																							High																
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
Temp	24	24	24	23	21																																		
DO	12	12	11	13	10																																		
% Water Column Oxid:					100	Blue-Green Dominance %:					41	Notes:						Rotifers (#/L):					490	Zooplankton (#/L):					62.6	Plankton #/L:					36746				
Blue-greens (#/L):					15167	Greens (#/L):					43	Diatoms (#/L):					14869	Other algae (#/L):					6114																

Clean Lakes Program Data Summary

2003

Little Knapp

County: **Noble**

Sample Location: **Deep Hole**

Date: **8/12/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:															
2003	4.3	2.7	35	14	68	7.8	7.8	694	674	311	314	0.024	0.028	0.03	0.044	4.16	3.997	3.723	0.132	0.273	1.055	1.291	12 High															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	20	19	18	18	18																																	
DO	7.3	6.8	6.4	6	4.4																																	
% Water Column Oxic: 100					Blue-Green Dominance %: 14					Notes:																												
Blue-greens (#/L): 491					Greens (#/L): 103					Diatoms (#/L): 662					Other algae (#/L): 2248					Rotifers (#/L): 23					Zooplankton (#/L): 47.6					Plankton #/L: 3574								

Martin

County: **Lagrange**

Sample Location: **Deep Hole**

Date: **7/7/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:															
2003	16.7	3.7	60	32	94.2	8.3	7.6	657	397.2	232	266	0.01	0.01	0.01	0.017	0.1	2.317	0.63	0.037	0.747	0.437	1.036	21 High															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	26	26	26	26	21	17	14	11	8.8	7.3	6	5	4.5	4.3	4.3	4	4	4																				
DO	7.5	7.5	7.7	7.7	11	13	13	14	13	11	11	8	3.3	0.6	0.1	0	0	0																				
% Water Column Oxic: 65.6					Blue-Green Dominance %: 93					Notes:																												
Blue-greens (#/L): 30180					Greens (#/L): 0					Diatoms (#/L): 620					Other algae (#/L): 1521					Rotifers (#/L): 46					Zooplankton (#/L): 23.2					Plankton #/L: 32389								

Mateer

County: **Lagrange**

Sample Location: **Deep Hole**

Date: **6/30/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:															
2003	4.6	3	73	15	116.7	8.5	8.4	329.3	320.4	127	128	0.015	0.014	0.013	0.044	1.32	0.013	0.013	0.049	0.061	1.107	1.095	14 High															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	27	26	25	25	24																																	
DO	10	9.7	9.8	10	9.7																																	
% Water Column Oxic: 100					Blue-Green Dominance %: 95					Notes:																												
Blue-greens (#/L): 1942					Greens (#/L): 12					Diatoms (#/L): 37					Other algae (#/L): 37					Rotifers (#/L): 0					Zooplankton (#/L): 10.6					Plankton #/L: 2038								

Clean Lakes Program Data Summary

2003

Messick

County: **Lagrange**

Sample Location: **Deep Hole**

Date: **7/8/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:															
2003	16.7	3.2	45	17	99.5	8.4	7.5	463.7	305.9	173	198	0.011	0.117	0.01	0.115	0.55	0.03	0.05	0.018	1.078	0.555	1.531	34 <i>Intermediate</i>															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	27	27	27	27	25	21	16	11	9.1	7.1	6.1	5.7	5.2	4.9	4.7	4.6	4.5																					
DO	7.9	8	8	8	8.2	8.5	7.8	0.8	0.1	0	0	0	0	0	0	0																						
% Water Column Oxid:					29.9	Blue-Green Dominance %:					80	Notes:																										
Blue-greens (#/L):			53888	Greens (#/L):			266	Diatoms (#/L):			2629	Other algae (#/L):			10703	Rotifers (#/L):			159	Zooplankton (#/L):			92.4	Plankton #/L:			67738											

Mongo Mill Pond

County: **Lagrange**

Sample Location: **Deep Hole**

Date: **6/30/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:															
2003	1.83	1.1	21	6	68.5	8		612		243		0.014		0.037		2.44	1.713		0.085		0.784		28 <i>Intermediate</i>															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	23	20	19																																			
DO	7.6	6.6	6.3																																			
% Water Column Oxid:					100	Blue-Green Dominance %:					54	Notes:																										
Blue-greens (#/L):			5088	Greens (#/L):			341	Diatoms (#/L):			1702	Other algae (#/L):			1169	Rotifers (#/L):			49	Zooplankton (#/L):			3.8	Plankton #/L:			8353											

Moss

County: **Noble**

Sample Location: **Deep Hole**

Date: **8/12/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:															
2003	5.18	1.9	40	13	111.7	8.2	7.7	495.3	517	157	210	0.01	0.01	0.02	0.077	1.28	3.487	0.643	0.089	4.083	1.235	1.787	36 <i>Intermediate</i>															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	26	26	26	26	25	22	15																															
DO	9.1	9.1	8.6	8.2	11	2.9	0.1																															
% Water Column Oxid:					77.2	Blue-Green Dominance %:					90	Notes:																										
Blue-greens (#/L):			62431	Greens (#/L):			374	Diatoms (#/L):			722	Other algae (#/L):			5107	Rotifers (#/L):			936	Zooplankton (#/L):			55.2	Plankton #/L:			69625											

Clean Lakes Program Data Summary

2003

Nasby Mill Pond

County: **Lagrange**

Sample Location: **Deep Hole**

Date: **6/30/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hyp	Cond - epi	Cond - hyp	Alk - epi	Alk - hyp	SRP - epi	SRP - hyp	TP - epi	TP - hyp	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:														
2003	0.91	1	0	3	130	8.3		650		240		0.011		0.032		2.44	1.432		0.046		0.651																
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
Temp	25																																				
DO	0																																				
% Water Column Oxic: 100				Blue-Green Dominance %:				Notes: Plankton data not yet recorded																													
Blue-greens (#/L):				Greens (#/L):				Diatoms (#/L):				Other algae (#/L):				Rotifers (#/L):				Zooplankton (#/L):				Plankton #/L: 0													

Nauvoo

County: **Lagrange**

Sample Location: **Deep Hole**

Date: **7/21/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hyp	Cond - epi	Cond - hyp	Alk - epi	Alk - hyp	SRP - epi	SRP - hyp	TP - epi	TP - hyp	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:														
2003	7.5	1.5	22.5	9	135	8.6	7.5	506	386	172	212	0.01	0.073	0.037	0.09	13.41	0.151	0.013	0.013	1.31	0.956	2.475	58														
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
Temp	26	26	26	26	21	17	12	9.9																													
DO	11	11	11	11	4.7	0.06	0.07	0.05																													
% Water Column Oxic: 0.4				Blue-Green Dominance %: 92				Notes:																													
Blue-greens (#/L): 333233				Greens (#/L): 2391				Diatoms (#/L): 4130				Other algae (#/L): 20650				Rotifers (#/L): 435				Zooplankton (#/L): 170.7				Plankton #/L: 361010													

Old

County: **Whitley**

Sample Location: **Deep Hole**

Date: **8/11/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hyp	Cond - epi	Cond - hyp	Alk - epi	Alk - hyp	SRP - epi	SRP - hyp	TP - epi	TP - hyp	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:														
2003	12.2	1.5	35	9	140.5	8.6	7.5	512	361.6	176	240	0.015	0.695	0.027	0.63	7.52	1.496	0.047	0.078	1.731	1.239	2.776	67														
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
Temp	27	26	26	24	22	18	13	10	8.3	7.2	6.7	6.4	6.3	6																							
DO	11	11	11	8.6	3.5	0.1	0	0	0	0	0	0	0	0																							
% Water Column Oxic: 24.6				Blue-Green Dominance %: 94				Notes:																													
Blue-greens (#/L): 576837				Greens (#/L): 516				Diatoms (#/L): 20495				Other algae (#/L): 15339				Rotifers (#/L): 902				Zooplankton (#/L): 124.4				Plankton #/L: 614214													

Clean Lakes Program Data Summary

2003

Olin		County: Lagrange																				Sample Location: Deep Hole					Date: 7/7/2003											
Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hyp	Cond - epi	Cond - hyp	Alk - epi	Alk - hyp	SRP - epi	SRP - hyp	TP - epi	TP - hyp	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI: 18															
2003	21.3	1.7	51	24	98	8.3	7.7	524	319.4	175	199	0.01	0.01	0.01	0.01	3.4	1.461	0.989	0.018	0.018	0.615	0.549	<i>High</i>															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	27	27	27	27	26	21	18	16	12	9	6.9	6	5.6	5.5	5.4	5.3	5.3	5.2	5.2	5.2	5.1	5.1																
DO	8.1	7.3	7.2	7.7	8	14	14	13	11	10	9.3	7.1	6.3	5.5	5.4	5	4.9	4.1	3.4	3.1	2.8	1.3																
% Water Column Oxid: 100					Blue-Green Dominance %: 94										Notes:																							
Blue-greens (#/L): 11641					Greens (#/L): 13					Diatoms (#/L): 73					Other algae (#/L): 462					Rotifers (#/L): 73					Zooplankton (#/L): 72.1					Plankton #/L: 12333								

Oliver		County: Lagrange																				Sample Location: Deep Hole					Date: 7/7/2003											
Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hyp	Cond - epi	Cond - hyp	Alk - epi	Alk - hyp	SRP - epi	SRP - hyp	TP - epi	TP - hyp	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI: 15															
2003	27.4	2	38	23	96.2	8.4	7.6	449.4	302.4	159	190	0.01	0.01	0.01	0.01	1.43	0.66	0.253	0.018	0.463	0.441	0.891	<i>High</i>															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	26	26	26	26	26	25	23	20	16	14	11	9.2	8.8	7.7	7.4	7	6.9	6.7	6.5	6.4	6.3	6.2	6.1	6	6	5.9	5.9	5.9	5.8									
DO	7.7	8.1	7.5	7.6	8.1	7.8	10	12	11	8.6	7	7.8	7.3	6.9	6.6	6.5	6.3	6.1	6	5.4	4.8	4	3.3	2.6	0.9	0.4	0.2	0.1	0									
% Water Column Oxid: 80.3					Blue-Green Dominance %: 88										Notes:																							
Blue-greens (#/L): 2035					Greens (#/L): 0					Diatoms (#/L): 57					Other algae (#/L): 180					Rotifers (#/L): 33					Zooplankton (#/L): 15.6					Plankton #/L: 2320								

Ontario Mill Pond		County: Lagrange																				Sample Location: Deep Hole					Date: 6/30/2003											
Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hyp	Cond - epi	Cond - hyp	Alk - epi	Alk - hyp	SRP - epi	SRP - hyp	TP - epi	TP - hyp	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI: 18															
2003	2.44	1.1	22	6	84.5	8.1		636		244		0.012		0.038		4.61	1.088		0.049		0.745		<i>High</i>															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	26	23	22	22																																		
DO	8.0	8	7.4	6.6																																		
% Water Column Oxid: 100					Blue-Green Dominance %: 47										Notes:																							
Blue-greens (#/L): 4268					Greens (#/L): 2571					Diatoms (#/L): 1903					Other algae (#/L): 283					Rotifers (#/L): 0					Zooplankton (#/L): 1.8					Plankton #/L: 9026								

Clean Lakes Program Data Summary

2003

Oswego		County: Kosciusko										Sample Location: Deep Hole										Date: 8/19/2003																
Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hyp	Cond - epi	Cond - hyp	Alk - epi	Alk - hyp	SRP - epi	SRP - hyp	TP - epi	TP - hyp	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:															
2003	10.7	1.9	60	19	94.6	8.5	7.5	450.9	364.4	159	233	0.011	0.21	0.02	0.272	2.31	0.013	0.013	2.277		0.756	3.721	27 <i>Intermediate</i>															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	29	28	28	27	27	26	23	20	17	14	11																											
DO	7.8	8.1	7.8	7	6.9	6	0.8	0.3	0.1	0	0																											
% Water Column Oxidic: 37.5					Blue-Green Dominance %: 64					Notes:																												
Blue-greens (#/L): 5196			Greens (#/L): 626			Diatoms (#/L): 1111			Other algae (#/L): 736			Rotifers (#/L): 438			Zooplankton (#/L): 49.9			Plankton #/L: 8157																				

Pigeon		County: Lagrange										Sample Location: Deep Hole										Date: 7/1/2003															
Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hyp	Cond - epi	Cond - hyp	Alk - epi	Alk - hyp	SRP - epi	SRP - hyp	TP - epi	TP - hyp	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:														
2003	9	2	50	14.5	136.1	8.3	7.6	642	488	245	271	0.011	0.022	0.026	0.084	5.81	1.549	0.086	0.018	3.027	0.629	3.449	43 <i>Intermediate</i>														
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
Temp	27	25	24	23	22	18	15	12	10	9																											
DO	11	12	12	12	10	8.3	0.5	0	0	0																											
% Water Column Oxidic: 44.4					Blue-Green Dominance %: 84					Notes:																											
Blue-greens (#/L): 101012			Greens (#/L): 846			Diatoms (#/L): 17479			Other algae (#/L): 1546			Rotifers (#/L): 74			Zooplankton (#/L): 31			Plankton #/L: 120988																			

Rider		County: Noble										Sample Location: Deep Hole										Date: 7/29/2003															
Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hyp	Cond - epi	Cond - hyp	Alk - epi	Alk - hyp	SRP - epi	SRP - hyp	TP - epi	TP - hyp	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:														
2003	4.57	3	45	13	93	8.3	8	531	520	176	180	0.01	0.01	0.038	0.017	3.55	3.41	2.809	0.036	0.09	1.202	1.27	25 <i>High</i>														
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
Temp	26	25	24	24	24	22																															
DO	7.3	7	7.8	6.7	4.8	1.7																															
% Water Column Oxidic: 65.6					Blue-Green Dominance %: 79					Notes:																											
Blue-greens (#/L): 27894			Greens (#/L): 217			Diatoms (#/L): 867			Other algae (#/L): 6412			Rotifers (#/L): 108			Zooplankton (#/L): 10.1			Plankton #/L: 35508																			

Clean Lakes Program Data Summary

2003

Ridinger County: **Kosciusko** Sample Location: **Deep Hole** Date: **8/19/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																
2003	12.5	0.6	18	6.5	168	8.9	7.5	433.2	419.3	130	251	0.013	0.664	0.059	0.736	46.73	1.036	0.013	0.038	3.28	1.53	4.33	49																
																							Intermediate																
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
Temp	28	27	27	26	25	23	20	16	13	11	10	9.5	9.2	8.9																									
DO	14	14	13	11	1.3	0	0	0	0	0	0	0	0	0																									

% Water Column Oxid: 16 Blue-Green Dominance %: 63 Notes:

Blue-greens (#/L): 18070 Greens (#/L): 267 Diatoms (#/L): 8011 Other algae (#/L): 979 Rotifers (#/L): 1246 Zooplankton (#/L): 158 Plankton #/L: 28731

Robinson County: **Kosciusko** Sample Location: **Deep Hole** Date: **8/19/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																
2003	15.2	1	27	8	102	8.4	7.4	455.8	372.6	155	238	0.01	0.825	0.037	0.944	13.4	1.549	0.013	0.066	3.612	1.25	4.644	33																
																							Intermediate																
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
Temp	27	27	26	26	25	24	20	14	11	8.3	7.6	7	6.4	5.8	5.6	5.4																							
DO	8.7	8.5	8.1	7.3	2.7	0.8	0	0	0	0	0	0	0	0	0	0																							

% Water Column Oxid: 19.7 Blue-Green Dominance %: 46 Notes:

Blue-greens (#/L): 3078 Greens (#/L): 182 Diatoms (#/L): 1801 Other algae (#/L): 1003 Rotifers (#/L): 593 Zooplankton (#/L): 98 Plankton #/L: 6755

Rothenberger County: **Kosciusko** Sample Location: **Deep Hole** Date: **8/4/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																
2003	7.92	1.8	24	10	29	7.6	7.1	311	288.4	147	221	0.012	0.24	0.029	0.22	3.77	0.013	0.013	0.018	2.428	0.689	4.006	45																
																							Intermediate																
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
Temp	26	25	24	24	21	18	11	8.6	6.7																														
DO	6.8	5	2.4	2.7	7.5	0.3	0.1	0	0																														

% Water Column Oxid: 37.5 Blue-Green Dominance %: 84 Notes:

Blue-greens (#/L): 85234 Greens (#/L): 460 Diatoms (#/L): 5374 Other algae (#/L): 10181 Rotifers (#/L): 106 Zooplankton (#/L): 64.4 Plankton #/L: 101420

Clean Lakes Program Data Summary

2003

Royer County: *Lagrange* Sample Location: *Deep Hole* Date: *7/1/2003*

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:															
2003	14.9	3.1	62	3.1	108.8	8.4	7.5	477.1	346.7	148	207	0.011	0.169	0.013	0.183	1.25	0.612	0.013	0.107	1.621	1.079	2.412	43 Intermediate															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	28	26	25	25	21	15	12	9.9	8	7.3	6.7	6.3	6.3	6.1	5.9																							
DO	8.9	9	9	8.9	5.2	0.5	0	0	0	0	0	0	0	0	0																							
% Water Column Oxid: 20.1					Blue-Green Dominance %: 96					Notes:																												
Blue-greens (#/L): 95971			Greens (#/L): 1467			Diatoms (#/L): 1676			Other algae (#/L): 838				Rotifers (#/L): 105				Zooplankton (#/L): 49.5				Plankton #/L: 100106																	

Sacrider County: *Noble* Sample Location: *Deep Hole* Date: *7/28/2003*

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:															
2003	16.5	2.1	15	10	104.5	8.6	7.5	481	331	171	207	0.01	0.529	0.01	0.391	9.36	0.098	0.013	0.096	1.824	1.21	2.662	42 Intermediate															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	26	25	25	24	24	17	14	10	8.5	7.7	6.7	6.3	6.2	5.7	5.6	5.5	5.4																					
DO	10	9.3	8.4	7.9	2.7	0.3	0.1	0.07	0.06	0.04	0.02	0	0	0	0	0	0																					
% Water Column Oxid: 18.2					Blue-Green Dominance %: 84					Notes:																												
Blue-greens (#/L): 67325			Greens (#/L): 353			Diatoms (#/L): 25			Other algae (#/L): 11523				Rotifers (#/L): 908				Zooplankton (#/L): 17				Plankton #/L: 80151																	

Sawmill County: *Kosciusko* Sample Location: *Deep Hole* Date: *8/18/2003*

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:															
2003	7.32	0.9	32	11	144	8.7	7.5	393.7	509	151	240	0.011	0.187	0.03	0.218		0.013	0.013	0.018	2.143	0.966	3.143	53 Low															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	29	28	28	27	25	23	19	14																														
DO	11	12	11	10	3.6	1.1	0.5	0.4																														
% Water Column Oxid: 41					Blue-Green Dominance %: 88					Notes:																												
Blue-greens (#/L): 84293			Greens (#/L): 1237			Diatoms (#/L): 6368			Other algae (#/L): 3207				Rotifers (#/L): 779				Zooplankton (#/L): 40.1				Plankton #/L: 95923																	

Clean Lakes Program Data Summary

2003

Sechrist

County: **Kosciusko**

Sample Location: **Deep Hole**

Date: **8/18/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:															
2003	17.6	3.7	50	25	108	8.5	7.9	366.8	441.6	139	176	0.01	0.052	0.013	0.067	1.16	0.013	0.013	0.018	0.573	0.533	1.191	22 <i>High</i>															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	29	28	28	28	27	27	24	22	17	13	11	9.5	8.5	7.8	7.4	7.2	7.1																					
DO	8.3	8.4	8.5	8.5	8.2	8	6.5	5.5	3.2	2.4	1.1	0.7	0.4	0.4	0.3	0.3	0.3																					
% Water Column Oxid:					45.5	Blue-Green Dominance %:					77	Notes:																										
Blue-greens (#/L):			11694	Greens (#/L):			111	Diatoms (#/L):			1166	Other algae (#/L):			1961	Rotifers (#/L):			241	Zooplankton (#/L):			29.5	Plankton #/L:			15203											

Shipshewana

County: **Lagrange**

Sample Location: **Deep Hole**

Date: **7/14/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:															
2003	3.96	0.7	10	6.5	164	9	8.3	440	455	132	147	0.01	0.01	0.03	0.027		0.013	0.013	0.018	0.018	1.174	1.41	47 <i>Intermediate</i>															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	26	26	26	24	24																																	
DO	13	14	14	8.3	4.6																																	
% Water Column Oxid:					100	Blue-Green Dominance %:					87	Notes:																										
Blue-greens (#/L):			205527	Greens (#/L):			5880	Diatoms (#/L):			11759	Other algae (#/L):			9970	Rotifers (#/L):			1278	Zooplankton (#/L):			711.2	Plankton #/L:			235124											

Shock

County: **Kosciusko**

Sample Location: **Deep Hole**

Date: **8/5/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:															
2003	18.3	2.3	24	11	73.5	8	7.4	398	283.6	162	215	0.01	0.634	0.035	0.626	9.56	0.013	0.013	0.018	1.911	0.94	2.922	37 <i>Intermediate</i>															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	26	25	25	25	23	19	13	9.4	7	5.8	5.3	4.8	4.6	4.4	4.4	4.3	4.2	4.2	4.2	4.3																		
DO	5.9	5.7	5.9	4.9	4.3	1	0.2	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0																	
% Water Column Oxid:					16.4	Blue-Green Dominance %:					89	Notes:																										
Blue-greens (#/L):			32465	Greens (#/L):			167	Diatoms (#/L):			475	Other algae (#/L):			3099	Rotifers (#/L):			167	Zooplankton (#/L):			15.2	Plankton #/L:			36388											

Clean Lakes Program Data Summary

2003

Simonton		County: Elkhart										Sample Location: Deep Hole										Date: 7/15/2003																																												
Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																																											
2003	5.79	0.9	60	16	91.4	8.4	8.2	409.4	407.2	154	158	0.01	0.01	0.01	0.027	5.53	0.25	0.224	0.18	0.18	0.717	0.676	21																																											
																							<i>High</i>																																											
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35																													
Temp	26	26	26	26	26	25	24																																																											
DO	7.5	7.1	7.3	7.2	7.3	5.2	3.9																																																											
% Water Column Oxid:		100					Blue-Green Dominance %:					79					Notes:																																																	
Blue-greens (#/L):		7861					Greens (#/L):					1123					Diatoms (#/L):					893					Other algae (#/L):					86					Rotifers (#/L):					0					Zooplankton (#/L):					10.5					Plankton #/L:					9974				

Skinner		County: Noble										Sample Location: Deep Hole										Date: 7/28/2003																																												
Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																																											
2003	9.14	0.8	14	8	123	8.6	7.5	530	453	147	211	0.01	0.311	0.048	0.292	20.38	1.481	0.277	0.02	2.275	1.079	3.3	45																																											
																							<i>Intermediate</i>																																											
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35																													
Temp	26	25	24	24	24	21	17	15	13	13	13																																																							
DO	12	12	9.1	9	3.6	0.4	0.1	0.1	0.1	0	0																																																							
% Water Column Oxid:		32.8					Blue-Green Dominance %:					97					Notes:																																																	
Blue-greens (#/L):		38552					Greens (#/L):					249					Diatoms (#/L):					0					Other algae (#/L):					790					Rotifers (#/L):					208					Zooplankton (#/L):					43					Plankton #/L:					39842				

Smalley		County: Noble										Sample Location: Deep Hole										Date: 7/29/2003																																												
Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																																											
2003	13.7	1.1	13	8	102	8.2	7.5	455.6	376.4	154	234	0.01	0.559	0.047	0.585	19.37	1.455	0.022	0.035	2.186	1.405	3.037	61																																											
																							<i>Low</i>																																											
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35																													
Temp	24	23	23	23	22	19	15	12	9.4	8.9	8.1	7.7	7.5	7.4																																																				
DO	8.7	8.7	8.7	5.8	5.1	0.1	0.06	0	0	0	0	0	0	0																																																				
% Water Column Oxid:		21.9					Blue-Green Dominance %:					96					Notes:																																																	
Blue-greens (#/L):		158872					Greens (#/L):					1246					Diatoms (#/L):					1915					Other algae (#/L):					2675					Rotifers (#/L):					395					Zooplankton (#/L):					79					Plankton #/L:					165183				

Clean Lakes Program Data Summary

2003

South Twin

County: **Lagrange**

Sample Location: **Deep Hole**

Date: **7/1/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																																														
2003	15.2	1.7	66	30	125	8.5	7.8	379.5	271	142	159	0.01	0.01	0.013	0.047	3.07	0.077	0.013	0.018	0.803	0.493	1.282	18 High																																														
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35																																
Temp	26	25	24	24	24	20	17	13	11	8.1	7.2	6.7	6.3	6	5.9	5.8																																																					
DO	10	11	10	10	11	10	13	13	14	14	13	11	8.8	8.2	1.8	0	0																																																				
% Water Column Oxid:					85.3					Blue-Green Dominance %:					76					Notes:																																																	
Blue-greens (#/L):					2569					Greens (#/L):					12					Diatoms (#/L):					342					Other algae (#/L):					377					Rotifers (#/L):					35					Zooplankton (#/L):					27.1					Plankton #/L:					3362				

Sparta

County: **Noble**

Sample Location: **Deep Hole**

Date: **8/11/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																																														
2003	2.4	1.4	20	8	81	8.2		489		156		0.01		0.024		10.04	0.013		0.018	0.402	1.822	18 High																																															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35																																
Temp	27	26	26	26																																																																	
DO	8.6	6.6	6.6	6.8																																																																	
% Water Column Oxid:					100					Blue-Green Dominance %:					15					Notes:																																																	
Blue-greens (#/L):					6712					Greens (#/L):					379					Diatoms (#/L):					1028					Other algae (#/L):					35940					Rotifers (#/L):					1191					Zooplankton (#/L):					138.4					Plankton #/L:					45388				

Steinbarger

County: **Noble**

Sample Location: **Deep Hole**

Date: **7/22/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																																														
2003	11	1.6	20	10	128	8.5	7.7	523	383.5	171	222	0.01	0.287	0.041	0.435	8.29	2.675	0.303	0.039	2.021	1.44	2.432	47 Intermediate																																														
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35																																
Temp	25	25	25	25	24	21	15	11	8.8	8	7.4	7																																																									
DO	11	10	10	10	9.3	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																																														
% Water Column Oxid:					27					Blue-Green Dominance %:					64					Notes:																																																	
Blue-greens (#/L):					45458					Greens (#/L):					418					Diatoms (#/L):					5373					Other algae (#/L):					18691					Rotifers (#/L):					997					Zooplankton (#/L):					158.1					Plankton #/L:					71096				

Clean Lakes Program Data Summary

2003

Stone		County: Lagrange														Sample Location: Deep Hole							Date: 7/14/2003																																											
Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																																											
2003	9.14	2.5	35	19	104	8.7	7.5	241.8	229.4	121	124	0.01	0.01	0.01	0.023	2.14	0.013	0.013	0.018	0.137	0.626	0.852	16																																											
																							<i>High</i>																																											
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35																													
Temp	27	27	26	26	25	25	21	19	18	17	17																																																							
DO	7.7	7.4	8.5	8.4	8.3	7.7	7.1	1.3	0.1	0.1	0.1																																																							
% Water Column Oxid:		65.6					Blue-Green Dominance %:					85					Notes:																																																	
Blue-greens (#/L):		1813					Greens (#/L):					97					Diatoms (#/L):					175					Other algae (#/L):					39					Rotifers (#/L):					0					Zooplankton (#/L):					3.6					Plankton #/L:					2129				

Sylvan		County: Noble														Sample Location: Deep Hole							Date: 7/21/2003																																											
Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																																											
2003	8.8	0.9	8	9	96	8.4	7.7	594	526	148	181	0.01	0.086	0.073	0.141	6.57	0.013	0.023	0.03	0.71	1.095	1.429	31																																											
																							<i>Intermediate</i>																																											
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35																													
Temp	26	26	26	26	25	24	21	17	13																																																									
DO	7.8	7.8	7.8	7.8	5.3	0.2	0.1	0	0																																																									
% Water Column Oxid:		34					Blue-Green Dominance %:					26					Notes:																																																	
Blue-greens (#/L):		19163					Greens (#/L):					3656					Diatoms (#/L):					1205					Other algae (#/L):					48931					Rotifers (#/L):					964					Zooplankton (#/L):					21					Plankton #/L:					73940				

Syracuse		County: Kosciusko														Sample Location: Deep Hole							Date: 8/4/2003																																											
Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																																											
2003	10.7	3.2	42	19	94.3	8.6	7.6	377.2	350	137	159	0.01	0.021	0.035	0.07	2.76	0.013	0.013	0.018	0.041	0.5	0.572	19																																											
																							<i>High</i>																																											
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35																													
Temp	27	27	27	26	26	26	25	24	22	20	19	18																																																						
DO	7.5	7.6	7.6	7.5	7.6	7.5	6.9	3.6	0.6	0.1	0.1	0																																																						
% Water Column Oxid:		56					Blue-Green Dominance %:					88					Notes:																																																	
Blue-greens (#/L):		3768					Greens (#/L):					93					Diatoms (#/L):					0					Other algae (#/L):					338					Rotifers (#/L):					47					Zooplankton (#/L):					21.2					Plankton #/L:					4268				

Clean Lakes Program Data Summary

2003

Tamarack (Rome City)

County: **Noble**

Sample Location: **Deep Hole**

Date: **7/22/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:															
2003	10.4	1.6	8	8	124.4	8.5	7.5	523	403.4	169	232	0.01	0.173	0.041	0.259	12.83	2.626	0.49	0.018	1.84	1.179	2.374	39 Intermediate															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	24	25	25	23	22	20	15	11	8.3	7.3	6.5																											
DO	10	10	10	1.6	0.2	0.1	0	0	0	0	0																											
% Water Column Oxid:					14.4	Blue-Green Dominance %:					4	Notes:																										
Blue-greens (#/L):			6254	Greens (#/L):			536	Diatoms (#/L):					25105	Other algae (#/L):					117080	Rotifers (#/L):			670	Zooplankton (#/L):			169.4	Plankton #/L:			149814							

Tippecanoe

County: **Kosciusko**

Sample Location: **Deep Hole**

Date: **8/19/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:														
2003	36.4	2.1	40	19	105.5	8.5	7.7	458.1	424.2	161	197	0.013	0.207	0.034	0.195	3.18	0.013	0.038	0.024	0.694	0.73	1.167	26 Intermediate														
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
Temp	28	28	28	28	27	27	25	24	21	19	16	14	13	11	11	9.7	8.5	7.9	7.5	7.2	7.1	6.9	6.7	6.6	6.4	6.3	6.2	6.1	6	6	6						
DO	8.4	8.3	8.3	8.3	8.3	8.2	3.3	0.9	0	0	0	0	0	0	0.2	1.8	3.2	3.4	3.1	3.5	3.9	4.2	3.8	3.6	3.6	2.8	2.4	1.9	0.7	0	0						
% Water Column Oxid:					13.7	Blue-Green Dominance %:					74	Notes:																									
Blue-greens (#/L):			3776	Greens (#/L):			340	Diatoms (#/L):					571	Other algae (#/L):					143	Rotifers (#/L):			231	Zooplankton (#/L):			22.4	Plankton #/L:			5083						

Troy Cedar

County: **Whitley**

Sample Location: **Deep Hole**

Date: **8/19/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:															
2003	24.3	0.5	7	5	135	9	7.5	377.3	298.3	121	189	0.01	0.3	0.047	0.363	31.86	0.126	0.403	0.018	1.044	2.08	2.2	43 Intermediate															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	27	27	26	26	25	23	19	15	13	12	11	9.7	9	8.2	7.6	7.1	6.8	6.4	6.2	6.1	6.1	6.1	6	6														
DO	11	12	11	7.8	0.5	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Water Column Oxid:					12.5	Blue-Green Dominance %:					81	Notes:																										
Blue-greens (#/L):			24727	Greens (#/L):			426	Diatoms (#/L):					3903	Other algae (#/L):					656	Rotifers (#/L):			853	Zooplankton (#/L):			155	Plankton #/L:			30720							

Clean Lakes Program Data Summary

2003

Waldron		County: Noble											Sample Location: Deep Hole										Date: 7/22/2003																																																	
Year	2003	Max Depth (m)	13	Secchi (m)	0.7	Light@3' (%)	12	1% Light Level (ft)	6	DO @5' (%)	106	pH - epi	8.3	pH - hypso	7.7	Cond - epi	533	Cond - hyp	434.6	Alk - epi	154	Alk - hypso	216	SRP - epi	0.01	SRP - hyp	0.461	TP - epi	0.066	TP - hypso	0.482	Chl a	5.21	NO3 - epi	0.253	NO3 - hyp	0.023	NH3 - epi	0.018	NH3 - hyp	2.43	TKN - epi	1.522	TKN - hyp	3.045	ITSI:	54																									
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	Temp	25	25	25	25	25	23	18	14	11	10	9.3	8.7	8.4	8.3	DO	8.8	8.7	8.7	8.7	5.2	0	0	0	0	0	0	0	0	% Water Column Oxid:	23	Blue-Green Dominance %:	83	Notes:	
Blue-greens (#/L):	87325	Greens (#/L):	2100	Diatoms (#/L):	2054	Other algae (#/L):	12234	Rotifers (#/L):	1643	Zooplankton (#/L):	232.5	Plankton #/L:	105589																																																											

Wawasee		County: Kosciusko											Sample Location: Deep Hole										Date: 8/5/2003																																																															
Year	2003	Max Depth (m)	20.1	Secchi (m)	1.7	Light@3' (%)	42	1% Light Level (ft)	19	DO @5' (%)	80	pH - epi	8.7	pH - hypso	7.7	Cond - epi	350.4	Cond - hyp	328.8	Alk - epi	127	Alk - hypso	161	SRP - epi	0.014	SRP - hyp	0.063	TP - epi	0.024	TP - hypso	0.071	Chl a	4.36	NO3 - epi	0.013	NO3 - hyp	0.013	NH3 - epi	0.018	NH3 - hyp	0.51	TKN - epi	0.533	TKN - hyp	0.973	ITSI:	22																																							
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	Temp	25	25	25	25	25	25	25	24	22	21	18	17	17	17	16	16	16	16	15	16	15	DO	6.2	6.4	6.6	6.7	6.8	6.9	6.7	5.5	2.7	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	% Water Column Oxid:	34.8	Blue-Green Dominance %:	90	Notes:	
Blue-greens (#/L):	16284	Greens (#/L):	522	Diatoms (#/L):	190	Other algae (#/L):	1092	Rotifers (#/L):	47	Zooplankton (#/L):	57.5	Plankton #/L:	18193																																																																									

Webster		County: Kosciusko											Sample Location: Deep Hole										Date: 8/5/2003																																																			
Year	2003	Max Depth (m)	14.3	Secchi (m)	1.2	Light@3' (%)	32	1% Light Level (ft)	11	DO @5' (%)	88	pH - epi	8.5	pH - hypso	7.6	Cond - epi	453.6	Cond - hyp	378.7	Alk - epi	169	Alk - hypso	242	SRP - epi	0.021	SRP - hyp	0.303	TP - epi	0.054	TP - hypso	0.149	Chl a	8.07	NO3 - epi	0.013	NO3 - hyp	0.013	NH3 - epi	0.018	NH3 - hyp	2.159	TKN - epi	1.043	TKN - hyp	3.64	ITSI:	29																											
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	Temp	27	27	26	26	26	25	23	20	17	16	14	13	13	12	11	DO	7.1	7	7.1	7.1	7.1	2.7	0.04	0.02	0.02	0.02	0.02	0	0	0	% Water Column Oxid:	28	Blue-Green Dominance %:	36	Notes:	
Blue-greens (#/L):	5988	Greens (#/L):	7540	Diatoms (#/L):	2732	Other algae (#/L):	415	Rotifers (#/L):	153	Zooplankton (#/L):	46.8	Plankton #/L:	16874																																																													

Clean Lakes Program Data Summary

2003

Westler

County: **Lagrange**

Sample Location: **Deep Hole**

Date: **7/8/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:															
2003	9.5	1.6	43	13.5	107	8.5	7.6	503	349.3	180	221	0.01	0.091	0.01	0.132	17.22	0.222	0.023	0.02	1.31	0.988	2.692	41 <i>Intermediate</i>															
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Temp	28	27	27	27	26	20	16	13	10	8.6																												
DO	8.6	8.6	8.5	8.5	8.2	7.1	1	0	0	0																												
% Water Column Oxid: 52.6					Blue-Green Dominance %: 96					Notes:																												
Blue-greens (#/L): 107217					Greens (#/L): 0					Diatoms (#/L): 441					Other algae (#/L): 4411					Rotifers (#/L): 29					Zooplankton (#/L): 34.8					Plankton #/L: 112133								

Wible

County: **Noble**

Sample Location: **Deep Hole**

Date: **7/21/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																
2003	7	1	15	7	140	8.6	7.6	531	466	155	225	0.01	0.785	0.01	0.781	20.77	3.609	0.341	0.037	2.998	1.607	4.02	64 <i>Low</i>																
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
Temp	27	26	25	24	21	17	13	12																															
DO	11	11	12	11	1.3	0	0	0																															
% Water Column Oxid: 29.6					Blue-Green Dominance %: 99					Notes:																													
Blue-greens (#/L): 295390					Greens (#/L): 0					Diatoms (#/L): 1167					Other algae (#/L): 1789					Rotifers (#/L): 0					Zooplankton (#/L): 132.8					Plankton #/L: 298478									

Witmer

County: **Lagrange**

Sample Location: **Deep Hole**

Date: **7/8/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hypso	Cond - epi	Cond - hyp	Alk - epi	Alk - hypso	SRP - epi	SRP - hyp	TP - epi	TP - hypso	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:																
2003	16.3	0.9	19	10	96.6	8.5	7.6	498.9	342.2	179	215	0.01	0.238	0.017	0.134	31.4	0.216	0.038	0.018	1.36	0.803	1.695	49 <i>Intermediate</i>																
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
Temp	26	26	26	26	26	23	18	15	13	12	9.8	9	8.2	7.8	7.6	7.4	7	6.8																					
DO	8.4	7.8	7.7	7.5	7.1	4.4	0.4	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Water Column Oxid: 24.6					Blue-Green Dominance %: 95					Notes:																													
Blue-greens (#/L): 112941					Greens (#/L): 473					Diatoms (#/L): 421					Other algae (#/L): 3577					Rotifers (#/L): 947					Zooplankton (#/L): 95.6					Plankton #/L: 118455									

Clean Lakes Program Data Summary

2003

Yellow Creek

County: **Elkhart**

Sample Location: **Deep Hole**

Date: **7/15/2003**

Year	Max Depth (m)	Secchi (m)	Light@3' (%)	1% Light Level (ft)	DO @5' (%)	pH - epi	pH - hyp	Cond - epi	Cond - hyp	Alk - epi	Alk - hyp	SRP - epi	SRP - hyp	TP - epi	TP - hyp	Chl a	NO3 - epi	NO3 - hyp	NH3 - epi	NH3 - hyp	TKN - epi	TKN - hyp	ITSI:														
2003	2.13	0.5	2	3	0.7	7.7		546		201		0.042		0.204			0.013		0.055		2.851		53														
																							<i>Low</i>														
Depth	0	1	1.5	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
Temp	26	23	22																																		
DO	8.5	3	0.05																																		
% Water Column Oxid: 47					Blue-Green Dominance %: 76					Notes:																											
Blue-greens (#/L): 201223			Greens (#/L): 6479			Diatoms (#/L): 4920			Other algae (#/L): 45236			Rotifers (#/L): 8399			Zooplankton (#/L): 72.7			Plankton #/L: 266330																			