

# Clean Lakes Program Data Summary

2000

**Adams** County: **Lagrange** Sample Location: **Deep Hole** Date: **7/10/2000**

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:															
2000	27.7	2.2	31	19	97	8.55	7.6	351	261	126	143	0.008	0.114	0.041	0.118	4.17	0.022	0.154	0.05	0.356	0.23	1.011	28															
																							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	25	24	21	17	13	11	9.5	9	8.8	8.6	8.5	8.4	8.2	8.1	8	8	8	7.9	7.9	7.9	7.9	7.9	7.8	7.8	7.8									
DO	8	8	8	8.1	8.1	8.2	7.2	3.9	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4										
% Water Column Oxid:			21	Blue-Green Dominance %:										98	Notes:																							
Blue-greens (#/L):			46716	Greens (#/L):			0	Diatoms (#/L):			359	Other algae (#/L):			538	Rotifers (#/L):			120	Zooplankton (#/L):			13.6	Plankton #/L:			47746											

**Allen** County: **Kosciusko** Sample Location: **Deep Hole** Date: **8/7/2000**

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:																
2000	14.3	2.2	6	13	102.2	7.7	7.3	344.2	263.1	156	201	0.011	0.297	0.033	0.737	7.82	0.022	0.022	0.018	0.759	1.144	6.588	31																
																							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	25	24	24	23	19	14	10	8.1	7.3	6.2	5.9	5.7	5.5	5.4	5.4																							
DO	8	9.3	8.6	5.2	4.6	1.1	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3																							
% Water Column Oxid:			31	Blue-Green Dominance %:										85	Notes:																								
Blue-greens (#/L):			9317	Greens (#/L):			188	Diatoms (#/L):			21	Other algae (#/L):			1295	Rotifers (#/L):			104	Zooplankton (#/L):			12.8	Plankton #/L:			10938												

**Atwood** County: **Lagrange** Sample Location: **Deep Hole** Date: **7/17/2000**

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:																
2000	9.4	1.3	38	19	86.5	8.4	7.6	345.5	315.8	136	164	0.006	0.008	0.044	0.095	3.05	0.022	0.022	0.112	0.551	0.717	1.257	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	26	26	26	26	26	26	24	20	16	14	12																												
DO	7.8	7.8	7.8	7.8	7.8	7.9	2.1	0.4	0.2	0.2	0.2																												
% Water Column Oxid:			55	Blue-Green Dominance %:										30	Notes:																								
Blue-greens (#/L):			2225	Greens (#/L):			622	Diatoms (#/L):			589	Other algae (#/L):			3730	Rotifers (#/L):			360	Zooplankton (#/L):			23.8	Plankton #/L:			7550												

# Clean Lakes Program Data Summary

2000

## Barrel and a Half

County: **Kosciusko**

Sample Location: **Deep Hole**

Date: **8/8/2000**

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:														
2000	14	1.9	22	10	93.3	7.8	7.1	376.5	288.7	157	222	0.019	1.051	0.059	1.129	3.85	0.022	0.022	0.05	2.219	0.23	0.23	<b>32</b>														
																							<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	25	21	17	12	9.1	7.1	6.3	5.8	5.5	5.2	4.9	4.7	4.7																					
DO	8.1	7.9	7.5	6.8	4.2	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2																					
% Water Column Oxic: 28					Blue-Green Dominance %: 52					Notes:																											
Blue-greens (#/L): 4044			Greens (#/L): 67			Diatoms (#/L): 2067			Other algae (#/L): 1244			Rotifers (#/L): 244			Zooplankton (#/L): 46.5			Plankton #/L: 7713																			

## Bear

County: **Noble**

Sample Location: **Deep Hole**

Date: **8/14/2000**

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:															
2000	18	1.2	8	12	107	8.8	7.5	391.7	312.2	118	182	0.019	0.361	0.105	0.431	6.14	0.022	0.022	0.083	2.51	1.774	3.506	<b>42</b>															
																							<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	26	25	23	16	14	12	10	9.6	9.2	9.1	9	8.9	8.9	8.9	8.8	8.8																			
DO	8.5	8.5	8.6	8.8	8.6	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4																			
% Water Column Oxic: 23					Blue-Green Dominance %: 72					Notes:																												
Blue-greens (#/L): 18882			Greens (#/L): 481			Diatoms (#/L): 5770			Other algae (#/L): 743			Rotifers (#/L): 350			Zooplankton (#/L): 92.5			Plankton #/L: 26318																				

## Bixler

County: **Noble**

Sample Location: **Deep Hole**

Date: **7/18/2000**

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:														
2000	11.6	1	31	10	103.9	8.4	7.5	415.9	336.3	136	172	0.011	0.339	0.07	0.388	5.64	0.022	0.022	0.038	2.231	1.161	2.744	<b>40</b>														
																							<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	25	25	24	17	13	12	12	11	11	11																								
DO	8.6	8.5	8.5	8.5	8	4.8	0.2	0.3	0.2	0.3	0.2	0.2	0.2																								
% Water Column Oxic: 36					Blue-Green Dominance %: 79					Notes:																											
Blue-greens (#/L): 35815			Greens (#/L): 615			Diatoms (#/L): 359			Other algae (#/L): 8352			Rotifers (#/L): 0			Zooplankton (#/L): 63			Plankton #/L: 45204																			

# Clean Lakes Program Data Summary

2000

**Blackman** County: **Lagrange** Sample Location: **Deep Hole** Date: **7/10/2000**

Year	2000																														ITSI:	<b>20</b>
Max Depth (m)	18.3																															<i>High</i>
Secchi (m)	2.1																															
Light@3' (%)	27																															
1% Light Level (ft)	13																															
DO @5' (%)	103																															
pH - epi	8.7																															
pH - hypso	7.6																															
Cond - epi	342																															
Cond - hyp	273																															
Alk - epi	107																															
Alk - hypso	145																															
SRP - epi	0.007																															
SRP - hyp	0.147																															
TP - epi	0.031																															
TP - hypso	0.182																															
Chl a	4.09																															
NO3 - epi	0.022																															
NO3 - hyp	0.022																															
NH3 - epi	0.039																															
NH3 - hyp	0.816																															
TKN - epi	1.058																															
TKN - hyp	1.502																															

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 22 18 14 12 11 9.8 9 8.7 8.5 8.4 8.4 8.3 8.3

DO 8.4 8.5 8.4 8.5 8.4 6.1 1 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4

% Water Column Oxid: 31 Blue-Green Dominance %: 35 Notes:

Blue-greens (#/L): 6726 Greens (#/L): 175 Diatoms (#/L): 7076 Other algae (#/L): 4379 Rotifers (#/L): 666 Zooplankton (#/L): 44.7 Plankton #/L: 19066

**Bowen** County: **Noble** Sample Location: **Deep Hole** Date: **8/15/2000**

Year	2000																														ITSI:	<b>55</b>
Max Depth (m)	11																															<i>Low</i>
Secchi (m)	3																															
Light@3' (%)	57																															
1% Light Level (ft)	15																															
DO @5' (%)	97.4																															
pH - epi	8.4																															
pH - hypso	7																															
Cond - epi	504																															
Cond - hyp	384																															
Alk - epi	171																															
Alk - hypso	269																															
SRP - epi	0.018																															
SRP - hyp	1.315																															
TP - epi	0.084																															
TP - hypso	1.855																															
Chl a	1.37																															
NO3 - epi	1.785																															
NO3 - hyp	0.022																															
NH3 - epi	0.018																															
NH3 - hyp	5.79																															
TKN - epi	1.035																															
TKN - hyp	10.14																															

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 24 19 12 8.5 7.1 6.1 5.6 5.2 5 4.9 4.9 4.9 4.9 4.9

DO 7.9 7.9 7.9 8 11 15 5.5 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9

% Water Column Oxid: 28 Blue-Green Dominance %: 95 Notes:

Blue-greens (#/L): 166649 Greens (#/L): 171 Diatoms (#/L): 1200 Other algae (#/L): 6728 Rotifers (#/L): 343 Zooplankton (#/L): 19.5 Plankton #/L: 175110

**Brokesha** County: **Lagrange** Sample Location: **Deep Hole** Date: **7/24/2000**

Year	2000																														ITSI:	<b>6</b>
Max Depth (m)	5.5																															<i>High</i>
Secchi (m)	3.2																															
Light@3' (%)	20																															
1% Light Level (ft)	17																															
DO @5' (%)	110.9																															
pH - epi	8.4																															
pH - hypso																																
Cond - epi	296.8																															
Cond - hyp																																
Alk - epi	124																															
Alk - hypso																																
SRP - epi	0.009																															
SRP - hyp																																
TP - epi	0.029																															
TP - hypso																																
Chl a	1.05																															
NO3 - epi	0.022																															
NO3 - hyp																																
NH3 - epi	0.018																															
NH3 - hyp																																
TKN - epi	0.802																															
TKN - hyp																																

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 25 25 24 22

DO 9.4 9.4 9.1 9.2 9.6 7.9 0.8

% Water Column Oxid: 100 Blue-Green Dominance %: 23 Notes:

Blue-greens (#/L): 265 Greens (#/L): 0 Diatoms (#/L): 41 Other algae (#/L): 820 Rotifers (#/L): 8 Zooplankton (#/L): 8.5 Plankton #/L: 1143

# Clean Lakes Program Data Summary

2000

**Buck** County: **Lagrange** Sample Location: **Deep Hole** Date: **7/6/2000**

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:															
2000	5.8	1.1	9	2.13	98.1	8.25	7.8	593	569	245	253	0.009	0.008	0.079	0.05	28.57	1.972	3.3	0.038	0.13	1.276	1.112	<b>23</b> 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	21	20	20	19	18	16																															
DO	12	17	8.3	5.9	2.5	1.4	0.4																															

% Water Column Oxid: 80 Blue-Green Dominance %: 0 Notes:  
 Blue-greens (#/L): 55 Greens (#/L): 2328 Diatoms (#/L): 1497 Other algae (#/L): 13638 Rotifers (#/L): 166 Zooplankton (#/L): 155.2 Plankton #/L: 17840

**Cass** County: **Lagrange** Sample Location: **Deep Hole** Date: **7/24/2000**

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:																
2000	6.7	6.7	30	17	120	8.5	7.5	351	402	118	168	0.006	0.09	0.042	0.103	1.9	0.063	0.022	0.079	1.102	0.691	2.311	<b>16</b> 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	24	24	24	24	23	18																															
DO	9.9	9.9	10	10	9.9	8.9	6.8	0.2																															

% Water Column Oxid: 83 Blue-Green Dominance %: 50 Notes:  
 Blue-greens (#/L): 946 Greens (#/L): 51 Diatoms (#/L): 31 Other algae (#/L): 773 Rotifers (#/L): 61 Zooplankton (#/L): 19 Plankton #/L: 1881

**Cedar** County: **Lagrange** Sample Location: **Deep Hole** Date: **7/5/2000**

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:																
2000	9.1	1.6	27.5	23.5	89	8.4	7.8	488.3	454.6	142	180	0.06	0.005	0.03	0.041	0.98	0.579	0.297	0.432	0.735	1.14	1.596	<b>12</b> 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	29	28	28	27	26	25	24	22	20	18	17																												
DO	7.6	7.2	7.1	7.7	7.8	7.8	7.5	7	3.3	0.6	0.3																												

% Water Column Oxid: 89 Blue-Green Dominance %: 17 Notes:  
 Blue-greens (#/L): 226 Greens (#/L): 34 Diatoms (#/L): 86 Other algae (#/L): 917 Rotifers (#/L): 77 Zooplankton (#/L): 19.4 Plankton #/L: 1358

# Clean Lakes Program Data Summary

2000

Cree		County: <b>Noble</b>																Sample Location: <b>Deep Hole</b>										Date: <b>7/31/2000</b>									
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: <b>22</b> <i>High</i>														
2000	7.9	3.2	100	16	87.5	8.3	7.6	450.2	398.6	136	175	0.021	0.017	0.037	0.055	1.86	1.229	0.196	0.066	0.213	0.945	1.371															
<b>Depth</b>	<b>0</b>	<b>1</b>	<b>1.5</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>
<b>Temp</b>	25	25	25	25	25	22	17																														
<b>DO</b>	7.2	7.2	7.1	7.2	7.2	6.9	1	0.2																													
% Water Column Oxid: 83					Blue-Green Dominance %: 86							Notes:																									
Blue-greens (#/L): 32275			Greens (#/L): 57				Diatoms (#/L): 843				Other algae (#/L): 4386						Rotifers (#/L): 96			Zooplankton (#/L): 20.1			Plankton #/L: 37678														

Dallas		County: <b>Lagrange</b>																Sample Location: <b>Deep Hole</b>										Date: <b>7/11/2000</b>									
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: <b>28</b> <i>Intermediate</i>														
2000	30.2	1.6	41	16	95.2	8.35	7.6	456.6	299	165	194	0.008	0.23	0.022	0.219	2.9	0.225	0.109	0.087	1.029	0.778	1.949															
<b>Depth</b>	<b>0</b>	<b>1</b>	<b>1.5</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>
<b>Temp</b>	26	26	25	25	25	25	20	16	13	9.7	8.8	8.1	8	7.8	7.7	7.6	7.4	7.3	7	6.9	6.6	6.4	6.2	6	5.9	5.8	5.7	5.7	5.6	5.6	5.6						
<b>DO</b>	7.8	8.0	8.1	7.9	7.8	7.7	5.1	2.7	1.3	1.2	1	1.8	2.1	2.1	2.9	3.2	3.2	2.1	2.1	1.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7						
% Water Column Oxid: 62					Blue-Green Dominance %: 91							Notes:																									
Blue-greens (#/L): 18388			Greens (#/L): 148				Diatoms (#/L): 247				Other algae (#/L): 1086						Rotifers (#/L): 370			Zooplankton (#/L): 45.5			Plankton #/L: 20285														

Dewart		County: <b>Kosciusko</b>																Sample Location: <b>Deep Hole</b>										Date: <b>8/1/2000</b>									
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: <b>22</b> <i>High</i>														
2000	23.5	2.2	38	20	106	8.45	7.6	304.8	262.2	116	148	0.016	0.07	0.013	0.058	2.79	0.022	0.022	0.018	0.342	0.624	0.842															
<b>Depth</b>	<b>0</b>	<b>1</b>	<b>1.5</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>
<b>Temp</b>	25	25	25	25	25	25	24	22	20	17	15	14	13	12	11	11	11	11	11	11	11	11	11	11	11	11											
<b>DO</b>	8.8	8.7	8.8	8.7	8.6	7.9	6.9	1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2											
% Water Column Oxid: 26					Blue-Green Dominance %: 66							Notes:																									
Blue-greens (#/L): 2075			Greens (#/L): 106				Diatoms (#/L): 707				Other algae (#/L): 212						Rotifers (#/L): 35			Zooplankton (#/L): 12.3			Plankton #/L: 3148														

# Clean Lakes Program Data Summary

2000

Diamond			County: <b>Noble</b>													Sample Location: <b>Deep Hole</b>										Date: <b>7/31/2000</b>											
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:														
2000	24.7	2.2	38	20	93.4	8.5	7.6	482.6	349.1	156	191	0.019	0.019	0.019	0.029	1.6	0.022		0.037		1.354		<b>20</b>														
																							<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	26	22	17	13	11	10	9.4	9	8.7																							
DO	7.5	7.6	7.6	7.6	7.7	7.6	3.6	0.6	0.3	0.2	0.2	0.2	0.2	0.2																							
% Water Column Oxid:					50	Blue-Green Dominance %:					97	Notes:																									
Blue-greens (#/L):			10589	Greens (#/L):			44	Diatoms (#/L):			33	Other algae (#/L):			272	Rotifers (#/L):			16	Zooplankton (#/L):			17.3	Plankton #/L:			10971										

Dock			County: <b>Noble</b>													Sample Location: <b>Deep Hole</b>										Date: <b>8/15/2000</b>											
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:														
2000	6.4	0.5	10	4	119	8.6	7.2	412	420.8	136	207	0.019	0.233	0.135	0.369	50.75	0.073	0.022	0.062	2.524	2.5	3.445	<b>58</b>														
																							<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	24	24	22	16	12	9.8																													
DO	15	16	7.9	3.9	0.8	0.8	0.8	0.8																													
% Water Column Oxid:					33	Blue-Green Dominance %:					98	Notes:																									
Blue-greens (#/L):			289465	Greens (#/L):			503	Diatoms (#/L):			183	Other algae (#/L):			4393	Rotifers (#/L):			183	Zooplankton (#/L):			11.5	Plankton #/L:			294739										

Dually			County: <b>Noble</b>													Sample Location: <b>Deep Hole</b>										Date: <b>8/14/2000</b>											
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:														
2000	5.49	1.8	25	13	92.3	8.3	7.6	528	523	164	193	0.014	0.016	0.08	0.127	6.81	2.171	0.708	0.061	0.018	1.356	1.545	<b>33</b>														
																							<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	24	21	16																														
DO	7.4	7.5	7.6	7.6	6.2	3.5	0.4																														
% Water Column Oxid:					80	Blue-Green Dominance %:					92	Notes:																									
Blue-greens (#/L):			62711	Greens (#/L):			819	Diatoms (#/L):			364	Other algae (#/L):			4047	Rotifers (#/L):			273	Zooplankton (#/L):			23.8	Plankton #/L:			68238										

# Clean Lakes Program Data Summary

2000

Eagle		County: <b>Noble</b>										Sample Location: <b>Deep Hole</b>										Date: <b>7/31/2000</b>																																														
Year	2000	Max Depth (m)	14.3	Secchi (m)	1.8	Light@3' (%)	10	1% Light Level (ft)	16	DO @5' (%)	93.1	pH - epi	8.45	pH - hypso	7.5	Cond - epi	502	Cond - hyp	376.6	Alk - epi	163	Alk - hypso	221	SRP - epi	0.016	SRP - hyp	0.254	TP - epi	0.026	TP - hypso	0.262	Chl a	2.76	NO3 - epi	0.61	NO3 - hyp	0.03	NH3 - epi	0.039	NH3 - hyp	1.772	TKN - epi	1.255	TKN - hyp	2.989	ITSI:	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	26	26	26	26	26	21	18	13	12	9.8	9.1	8.7	8.4	8.2	8.1	DO	7.7	7.6	7.6	7.6	7.5	3.7	0.7	0.5	0.2	0.2	0.2	0.2	0.1	0.1
% Water Column Oxid:		46					Blue-Green Dominance %:					60					Notes:																																																			
Blue-greens (#/L):		4975					Greens (#/L):					193					Diatoms (#/L):					656					Other algae (#/L):					2353					Rotifers (#/L):					135					Zooplankton (#/L):					31.2					Plankton #/L:					8342						

Emma		County: <b>Lagrange</b>										Sample Location: <b>Deep Hole</b>										Date: <b>7/24/2000</b>																																												
Year	2000	Max Depth (m)	9.8	Secchi (m)	0.8	Light@3' (%)	17	1% Light Level (ft)	9	DO @5' (%)	122.7	pH - epi	8.2	pH - hypso	7.6	Cond - epi	621	Cond - hyp	573	Alk - epi	208	Alk - hypso	334	SRP - epi	0.014	SRP - hyp	0.856	TP - epi	0.071	TP - hypso	0.962	Chl a	18.42	NO3 - epi	0.022	NO3 - hyp	0.022	NH3 - epi	0.018	NH3 - hyp	1.832	TKN - epi	0.912	TKN - hyp	5.106	ITSI:	31	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	23	23	23	23	21	18	14	12	11	DO	13	13	11	10	6.4	0.3	0.2	0.2	0.2	0.2							
% Water Column Oxid:		38					Blue-Green Dominance %:					46					Notes:																																																	
Blue-greens (#/L):		1600					Greens (#/L):					513					Diatoms (#/L):					1160					Other algae (#/L):					12					Rotifers (#/L):					159					Zooplankton (#/L):					3.3					Plankton #/L:					3447				

Engle		County: <b>Noble</b>										Sample Location: <b>Deep Hole</b>										Date: <b>7/31/2000</b>																																												
Year	2000	Max Depth (m)	7.6	Secchi (m)	1.9	Light@3' (%)	45	1% Light Level (ft)	14	DO @5' (%)	97	pH - epi	8.4	pH - hypso	7.7	Cond - epi	565	Cond - hyp	507	Alk - epi	146	Alk - hypso	195	SRP - epi	0.016	SRP - hyp	0.016	TP - epi	0.026	TP - hypso	0.028	Chl a	1.89	NO3 - epi	0.183	NO3 - hyp	0.037	NH3 - epi	0.023	NH3 - hyp	0.415	TKN - epi	0.953	TKN - hyp	1.454	ITSI:	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	27	27	26	26	25	24	20	16	13	DO	7.8	7.8	7.7	7.7	7.3	6.4	1.7	0.5	0.2									
% Water Column Oxid:		86					Blue-Green Dominance %:					65					Notes:																																																	
Blue-greens (#/L):		2592					Greens (#/L):					16					Diatoms (#/L):					713					Other algae (#/L):					470					Rotifers (#/L):					178					Zooplankton (#/L):					25.8					Plankton #/L:					3994				

# Clean Lakes Program Data Summary

2000

**Fish** County: **Elkhart** Sample Location: **Deep Hole** Date: **7/24/2000**

Year	2000																															ITSI:	<b>41</b>																																
Max Depth (m)	9.4																															Intermediate																																	
Secchi (m)	1.6																																																																
Light@3' (%)	62																																																																
1% Light Level (ft)	14																																																																
DO @5' (%)	121.1																																																																
pH - epi	8.4																																																																
pH - hypso	7.2																																																																
Cond - epi	284																																																																
Cond - hyp	233.2																																																																
Alk - epi	101																																																																
Alk - hypso	130																																																																
SRP - epi	0.009																																																																
SRP - hyp	0.741																																																																
TP - epi	0.058																																																																
TP - hypso	0.846																																																																
Chl a	9.48																																																																
NO3 - epi	0.022																																																																
NO3 - hyp	0.022																																																																
NH3 - epi	0.057																																																																
NH3 - hyp	1.482																																																																
TKN - epi	1.101																																																																
TKN - hyp	2.78																																																																
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	19	14	11	9.8	9.1	8.8																																																						
DO	9.4	10	10	10	8.7	0.9	0.3	0.3	0.3	0.3	0.3																																																						
% Water Column Oxid:	44					Blue-Green Dominance %:										Notes:																																																	
Blue-greens (#/L):	42668					Greens (#/L):					5186					Diatoms (#/L):					393					Other algae (#/L):					28445					Rotifers (#/L):					471					Zooplankton (#/L):					19.7					Plankton #/L:					77184				

**Fish Lake (Plato)** County: **Lagrange** Sample Location: **Deep Hole** Date: **7/10/2000**

Year	2000																															ITSI:	<b>39</b>																																
Max Depth (m)	23.8																															Intermediate																																	
Secchi (m)	0.9																																																																
Light@3' (%)	19																																																																
1% Light Level (ft)	11																																																																
DO @5' (%)	97.4																																																																
pH - epi	8.5																																																																
pH - hypso	7.7																																																																
Cond - epi	438																																																																
Cond - hyp	324																																																																
Alk - epi	144																																																																
Alk - hypso	195																																																																
SRP - epi	0.007																																																																
SRP - hyp	0.061																																																																
TP - epi	0.025																																																																
TP - hypso	0.062																																																																
Chl a	6.17																																																																
NO3 - epi	0.947																																																																
NO3 - hyp	0.706																																																																
NH3 - epi	0.022																																																																
NH3 - hyp	0.484																																																																
TKN - epi	1.077																																																																
TKN - hyp	0.889																																																																
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	21	18	12	10	8.6	7.6	7	6.7	6.5	6.2	6	5.7	5.5	5.4	5.3	5.3	5.3	5.3	5.3	5.3	5.3																																							
DO	8.8	8.5	9.1	8.7	8.9	5.1	1.5	0.5	0.5	0.5	1.0	1.6	1.5	1.3	1.5	1.5	0.9	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6																																							
% Water Column Oxid:	61					Blue-Green Dominance %:										Notes:																																																	
Blue-greens (#/L):	76166					Greens (#/L):					36					Diatoms (#/L):					216					Other algae (#/L):					1620					Rotifers (#/L):					324					Zooplankton (#/L):					90.9					Plankton #/L:					78452				

**Gordy** County: **Noble** Sample Location: **Deep Hole** Date: **8/14/2000**

Year	2000																															ITSI:	<b>38</b>																																
Max Depth (m)	10.7																															Intermediate																																	
Secchi (m)	1.4																																																																
Light@3' (%)	35																																																																
1% Light Level (ft)	13																																																																
DO @5' (%)	102.6																																																																
pH - epi	8.5																																																																
pH - hypso	7.45																																																																
Cond - epi	527																																																																
Cond - hyp	574																																																																
Alk - epi	153																																																																
Alk - hypso	229																																																																
SRP - epi	0.011																																																																
SRP - hyp	0.283																																																																
TP - epi	0.032																																																																
TP - hypso	0.326																																																																
Chl a	4.21																																																																
NO3 - epi	3.441																																																																
NO3 - hyp	0.095																																																																
NH3 - epi	0.018																																																																
NH3 - hyp	1.871																																																																
TKN - epi	1.36																																																																
TKN - hyp	2.544																																																																
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	25	25	21	17	13	11	9.1	8.5	8.2																																																					
DO	8.3	8.4	8.4	8.4	8.4	10	1.2	0.4	0.4	0.4	0.3	0.3																																																					
% Water Column Oxid:	50					Blue-Green Dominance %:										Notes:																																																	
Blue-greens (#/L):	4016					Greens (#/L):					0					Diatoms (#/L):					236					Other algae (#/L):					2396					Rotifers (#/L):					101					Zooplankton (#/L):					16.9					Plankton #/L:					6766				



# Clean Lakes Program Data Summary

2000

## Goshen Dam Pond

County: **Elkhart**

Sample Location: **Deep Hole**

Date: **7/25/2000**

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:															
2000	2.4	1	25	7	95.6	8.2		609		236		0.014		0.079		6.01	1		0.039		0.609		<b>18</b> 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	22	20	19	19																																		
DO	10	8.9	8.8	7.9																																		
% Water Column Oxidation: 100					Blue-Green Dominance %: 13					Notes:																												
Blue-greens (#/L): 576					Greens (#/L): 1257					Diatoms (#/L): 1834					Other algae (#/L): 681					Rotifers (#/L): 0					Zooplankton (#/L): 16.7					Plankton #/L: 4365								

## Hackenburg

County: **Lagrange**

Sample Location: **Deep Hole**

Date: **7/17/2000**

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:															
2000	10.7	2.1	35	13	89.6	8.2	7.4	444.7	334.6	156	196	0.008	0.062	0.027	0.103	0.95	0.095	0.022	0.119	1.703	0.69	2.263	<b>24</b> 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	19	15	12	9.2	8.1	7.2	6.8																										
DO	7.4	7.3	7.4	7.2	7.6	6.9	0.5	0.4	0.4	0.4	0.4	0.4																										
% Water Column Oxidation: 40					Blue-Green Dominance %: 32					Notes:																												
Blue-greens (#/L): 29439					Greens (#/L): 402					Diatoms (#/L): 581					Other algae (#/L): 59548					Rotifers (#/L): 893					Zooplankton (#/L): 31.5					Plankton #/L: 90895								

## Hammond

County: **Kosciusko**

Sample Location: **Deep Hole**

Date: **8/7/2000**

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:																
2000	9.8	2	4	10	49.3	7.5	7.1	321	283.5	150	204	0.016	0.461	0.063	0.642	2.52	0.022	0.022	0.018	2.745	0.996	4.687	<b>35</b> 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	24	24	24	21	18	13	9.4	7.6	6.6	6.2																												
DO	7	6	4	3.2	5.8	0.8	0.3	0.3	0.3	0.3	0.3																												
% Water Column Oxidation: 33					Blue-Green Dominance %: 82					Notes:																													
Blue-greens (#/L): 14212					Greens (#/L): 1369					Diatoms (#/L): 559					Other algae (#/L): 1041					Rotifers (#/L): 135					Zooplankton (#/L): 18.9					Plankton #/L: 17335									

# Clean Lakes Program Data Summary

2000

## Harper

County: **Noble**

Sample Location: **Deep Hole**

Date: **8/8/2000**

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:																																				
2000	6.7	2.3	28	17	114.6	8.52	7.8	440.9	485	147	196	0.01	0.008	0.039	0.05	3.01	0.385	0.065	0.04	0.386	0.836	1.42	<b>25</b> 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	26	26	26	25	21	16																																																			
DO	9.2	9.2	9.3	9.4	9.2	8.7	0.8	0.4																																																			
% Water Column Oxid:					83	Blue-Green Dominance %:					90	Notes:						Blue-greens (#/L):					37564	Greens (#/L):					34	Diatoms (#/L):					1411	Other algae (#/L):					2654	Rotifers (#/L):					168	Zooplankton (#/L):					24.8	Plankton #/L:					41879

## Heaton

County: **Elkhart**

Sample Location: **Deep Hole**

Date: **7/25/2000**

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:																																				
2000	6.7	1.8	24	12	96.8	8.15	7.6	398.5	376.5	163	183	0.008	0.011	0.042	0.068	2.17	0.026	0.022	0.071	0.457	0.988	1.368	<b>21</b> 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	23	21	17	15	15																																																		
DO	8.2	8.2	8.2	7.9	4.3	0.3	0.2	0.1	0.1																																																		
% Water Column Oxid:					57	Blue-Green Dominance %:					6	Notes:						Blue-greens (#/L):					4012	Greens (#/L):					876	Diatoms (#/L):					3689	Other algae (#/L):					55527	Rotifers (#/L):					184	Zooplankton (#/L):					42	Plankton #/L:					64331

## Henderson

County: **Noble**

Sample Location: **Deep Hole**

Date: **7/18/2000**

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:																																				
2000	3.4	0.4	8.5	6	160.3	8.3		1600	1603	182		0.01		0.177		42.12	4.886		0.121		2.123		<b>27</b> 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	24	25																																																							
DO	17	16	13	11																																																							
% Water Column Oxid:					100	Blue-Green Dominance %:					28	Notes:						Blue-greens (#/L):					3097	Greens (#/L):					3191	Diatoms (#/L):					1595	Other algae (#/L):					1126	Rotifers (#/L):					1126	Zooplankton (#/L):					813.8	Plankton #/L:					10949

# Clean Lakes Program Data Summary

2000

<b>High</b>		County: <b>Noble</b>														Sample Location: <b>Deep Hole</b>										Date: <b>8/14/2000</b>	
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:				
2000	7	0.5	8	6	117	8.92	7.3	428	433	130	240	0.014	0.739	0.08	0.809	18.37	0.022	0.022	0.179	1.873	2.258	6.315	<b>51</b>				
																							Low				
Depth	Temp	DO																									
0	27	9.1																									
1	26	9.3																									
1.5	26	9.5																									
2	25	9.2																									
3	23	0.4																									
4	18	0.4																									
5	14	0.4																									
6	12	0.4																									
7	11	0.4																									
8	10	0.4																									
9																											
10																											
11																											
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33																											
34																											
35																											
% Water Column Oxid: 25      Blue-Green Dominance %: 92      Notes:																											
Blue-greens (#/L): 75439      Greens (#/L): 598      Diatoms (#/L): 1375      Other algae (#/L): 3288      Rotifers (#/L): 1016      Zooplankton (#/L): 35.4      Plankton #/L: 81751																											

<b>Hindman</b>		County: <b>Noble</b>														Sample Location: <b>Deep Hole</b>										Date: <b>8/8/2000</b>	
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:				
2000	5.5	0.7	12	6	144.9	8.8	7.6	484.8	576	130	216	0.016	0.011	0.158	0.089	19.98	2.624	0.869	0.092	0.242	0.23	0.23	<b>44</b>				
																							Intermediate				
Depth	Temp	DO																									
0	26	12																									
1	26	12																									
1.5	25	12																									
2	24	11																									
3	22	2.8																									
4	19	0.5																									
5	14	0.4																									
6																											
7																											
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34																											
35																											
% Water Column Oxid: 80      Blue-Green Dominance %: 92      Notes:																											
Blue-greens (#/L): 92476      Greens (#/L): 355      Diatoms (#/L): 355      Other algae (#/L): 5540      Rotifers (#/L): 1421      Zooplankton (#/L): 82.5      Plankton #/L: 100229																											

<b>Indiana</b>		County: <b>Elkhart</b>														Sample Location: <b>Deep Hole</b>										Date: <b>7/24/2000</b>	
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:				
2000	19.8	1.6	31	29	123.5	8.6	7.7	347.5	282.9	110	151	0.011	0.006	0.026	0.039	1.11	0.555	0.102	0.031	0.591	0.443	0.977	<b>22</b>				
																							High				
Depth	Temp	DO																									
0	26	10																									
1	26	10																									
1.5	26	10																									
2	26	9.9																									
3	25	11																									
4	24	11																									
5	24	12																									
6	18	18																									
7	15	19																									
8	12	19																									
9	9.9	13																									
10	9	5.7																									
11	8.4	1.5																									
12	8	0.2																									
13	7.8	0.2																									
14	7.6	0.2																									
15	7.4	0.2																									
16	7.2	0.2																									
17	7.1	0.2																									
18	7.1	0.2																									
19	7	0.2																									
20																											
21																											
22																											
23																											
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33																											
34																											
35																											
% Water Column Oxid: 58      Blue-Green Dominance %: 89      Notes:																											
Blue-greens (#/L): 7319      Greens (#/L): 17      Diatoms (#/L): 17      Other algae (#/L): 714      Rotifers (#/L): 105      Zooplankton (#/L): 12.9      Plankton #/L: 8186																											

# Clean Lakes Program Data Summary

2000

**Jones** County: **Noble** Sample Location: **Deep Hole** Date: **7/17/2000**

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:																
2000	7	0.6	7	5	134.9	8.47	7.5	456.6	462	164	218	0.011	0.576	0.1	0.741	26.91	0.022	0.022	0.038	0.268	1.288	3.219	<b>57</b> 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	26	26	24	21	18	15																															
DO	11	11	11	11	5.3	0.3	0.3	0.3																															

% Water Column Oxid: 50 Blue-Green Dominance %: 86 Notes:  
 Blue-greens (#/L): 185735 Greens (#/L): 6479 Diatoms (#/L): 14128 Other algae (#/L): 7019 Rotifers (#/L): 3689 Zooplankton (#/L): 92.2 Plankton #/L: 217143

**Knapp** County: **Noble** Sample Location: **Deep Hole** Date: **8/8/2000**

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:																
2000	17.4	1.9	26	14	113.5	8.4	7.85	558	371.6	167	231	0.026	0.66	0.026	0.671	3.31	5.787	0.405	0.046	1.816	1.064	3.288	<b>39</b> 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	26	26	26	25	23	17	13	10	9.1	8.4	7.8	7.5	7.3	7.1	7	6.7	6.5	6.4																				
DO	9.1	9.2	9.2	9.2	9.4	11	1.4	0.4	1.1	4.4	3.3	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.3																				

% Water Column Oxid: 53 Blue-Green Dominance %: 92 Notes:  
 Blue-greens (#/L): 50887 Greens (#/L): 1131 Diatoms (#/L): 699 Other algae (#/L): 1933 Rotifers (#/L): 494 Zooplankton (#/L): 12.6 Plankton #/L: 55157

**Kokomo Reservoir #2** County: **Howard** Sample Location: **Deep Hole** Date: **8/7/2000**

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:																
2000	3.7	0.4	4	4	100.4	8.3		268.2		135		0.018		0.076		22	2.231		0.163		0.717		<b>22</b> 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	25																																		
DO	8.4	8.3	8.1	8	8																																		

% Water Column Oxid: 100 Blue-Green Dominance %: 1 Notes:  
 Blue-greens (#/L): 332 Greens (#/L): 1677 Diatoms (#/L): 27363 Other algae (#/L): 74 Rotifers (#/L): 166 Zooplankton (#/L): 46.1 Plankton #/L: 29657

# Clean Lakes Program Data Summary

2000

**Latta** County: **Noble** Sample Location: **Deep Hole** Date: **7/18/2000**

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:																
2000	10.7	1.9	44	17	103.3	8.4	7.5	383.9	333.8	147	213	0.01	0.07	0.058	0.129	1.63	0.022	0.022	0.047	1.967	0.56	2.817	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	25	25	25	25	25	21	15	13	10	9.3	8.5	8.3																											
DO	9.7	9.6	9.5	9.5	9.3	10	2.6	1	0.3	0.3	0.3	0.3																											
% Water Column Oxid:					60	Blue-Green Dominance %:					59	Notes:						Rotifers (#/L):					190	Zooplankton (#/L):					18.1	Plankton #/L:					3270				
Blue-greens (#/L):					1937	Greens (#/L):					432	Diatoms (#/L):					225	Other algae (#/L):					467																

**Little Bause** County: **Noble** Sample Location: **Deep Hole** Date: **8/8/2000**

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:																	
2000	4.9	3	40	12	111.7	8.1		452.3		131		0.022		0.072		1.17	1.662		0.047		0.23		23																	
																							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	25	24	23	21																																		
DO	9.6	9.7	9.3	9.7	11	8.2																																		
% Water Column Oxid:					100	Blue-Green Dominance %:					61	Notes:						Rotifers (#/L):					244	Zooplankton (#/L):					63.6	Plankton #/L:					27161					
Blue-greens (#/L):					16670	Greens (#/L):					92	Diatoms (#/L):					183	Other algae (#/L):					9907																	

**Long** County: **Noble** Sample Location: **Deep Hole** Date: **8/15/2000**

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:																	
2000	9.8	3.2	8	16	97.4	8.3	7.25	548	459	186	269	0.021	0.777	0.025	0.865	1.23	1.629	0.022	0.018	3.609	0.876	5.848	36																	
																							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	25	23	18	11	7.6	6.9	6.6	6.3																													
DO	7.8	7.8	7.9	7.9	10	7.3	0.8	0.8	0.8	0.8	0.8																													
% Water Column Oxid:					100	Blue-Green Dominance %:					64	Notes:						Rotifers (#/L):					1030	Zooplankton (#/L):					30.5	Plankton #/L:					44892					
Blue-greens (#/L):					28557	Greens (#/L):					137	Diatoms (#/L):					515	Other algae (#/L):					14622																	

# Clean Lakes Program Data Summary

2000

## Lower Long

County: **Noble**

Sample Location: **Deep Hole**

Date: **8/14/2000**

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:															
2000	16.8	2.2	12	19	104	8.42	7.3	451	319	146	205	0.016	0.504	0.065	0.589	1.78	0.022	0.022	0.018	2.051	0.774	3.651	34															
																							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	24	18	14	11	9.7	8.9	8.4	8.1	7.7	7.4	7.3	7.2	7.2																				
DO	8.4	8.3	8.2	8.2	8.5	8.7	6.1	2.7	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4																				
% Water Column Oxid:			38	Blue-Green Dominance %:					83	Notes:																												
Blue-greens (#/L):			12309	Greens (#/L):			9	Diatoms (#/L):			160	Other algae (#/L):			2147	Rotifers (#/L):			196	Zooplankton (#/L):			13	Plankton #/L:			14834											

## Martin

County: **Lagrange**

Sample Location: **Deep Hole**

Date: **7/11/2000**

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:															
2000	16.8	3.7	8	22	99.1	8.25	7.6	606	400.3	221	269	0.008	0.015	0.048	0.035	1.02	3.5	0.251	0.065	1.2	0.43	1.432	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	24	24	24	24	22	18	14	11	8.6	7.2	6	5.6	5.1	4.6	4.4	4.3	4.3	4.3																				
DO	8.1	8.2	8.3	9.0	10	14	17	20	13	9.3	2.8	0.6	0.5	0.6	0.5	0.5	0.5	0.5																				
% Water Column Oxid:			56	Blue-Green Dominance %:					45	Notes:																												
Blue-greens (#/L):			4823	Greens (#/L):			0	Diatoms (#/L):			411	Other algae (#/L):			5303	Rotifers (#/L):			114	Zooplankton (#/L):			13.5	Plankton #/L:			10666											

## Mateer

County: **Lagrange**

Sample Location: **Deep Hole**

Date: **7/5/2000**

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:															
2000	4.9	2.5	50	15	87.2	8.4	8.4	348.7	515.1	123	124	0.005	0.005	0.032	0.047	0.68	0.022	0.022	0.132	0.114	1.446	1.246	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	29	28	27	27	25	24																																
DO	7.6	7.6	6.7	6.5	7.5	10																																
% Water Column Oxid:			100	Blue-Green Dominance %:					23	Notes:																												
Blue-greens (#/L):			303	Greens (#/L):			91	Diatoms (#/L):			348	Other algae (#/L):			485	Rotifers (#/L):			61	Zooplankton (#/L):			18.3	Plankton #/L:			1305											

# Clean Lakes Program Data Summary

2000

## Messick

County: **Lagrange**

Sample Location: **Deep Hole**

Date: **7/17/2000**

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:															
2000	16.5	1.8	32	17	103	8.35	7.3	438.6	310.1	161	190	0.01	0.292	0.054	0.373	10.02	0.024	0.022	0.069	1.52	0.68	0.59	<b>33</b> <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	25	25	25	23	18	14	11	9.1	8.2	7.6	7.2	6.8	6.6	6.4	6.2																					
DO	7.8	7.8	8.4	8.2	8.2	8.2	4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4																						
% Water Column Oxid:					33	Blue-Green Dominance %:					88	Notes:																										
Blue-greens (#/L):			43844	Greens (#/L):			35	Diatoms (#/L):			527	Other algae (#/L):			4957	Rotifers (#/L):			281	Zooplankton (#/L):			28	Plankton #/L:			49673											

## Miller (Chain of Lakes)

County: **Noble**

Sample Location: **Deep Hole**

Date: **8/14/2000**

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:															
2000	8.2	1.5	14	10	87.2	8	7.1	453.7	365.5	160	232	0.016	0.637	0.075	1.189	8.56	0.026	0.022	0.018	4.501	1.015	6.251	<b>58</b> <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	28	26	25	25	23	17	13	10	8.7	8.1																												
DO	7.2	7.4	7.2	6.9	3.9	0.4	0.4	0.4	0.4	0.3																												
% Water Column Oxid:					38	Blue-Green Dominance %:					93	Notes:																										
Blue-greens (#/L):			338682	Greens (#/L):			948	Diatoms (#/L):			1185	Other algae (#/L):			21085	Rotifers (#/L):			995	Zooplankton (#/L):			75	Plankton #/L:			362968											

## Mongo Mill Pond

County: **Lagrange**

Sample Location: **Deep Hole**

Date: **7/5/2000**

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:															
2000	4.6	1.1	18	6	74	7.9		633		217		0.008		0.044		0.27	2.597		0.073		1.074		<b>24</b> <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	24	24	24																																		
DO	6.2	6.2	6.2	5.7																																		
% Water Column Oxid:					100	Blue-Green Dominance %:					1	Notes:																										
Blue-greens (#/L):			530	Greens (#/L):			6187	Diatoms (#/L):			28989	Other algae (#/L):			1237	Rotifers (#/L):			0	Zooplankton (#/L):			12.1	Plankton #/L:			36955											

# Clean Lakes Program Data Summary

2000

Moss		County: <b>Noble</b>										Sample Location: <b>Deep Hole</b>										Date: <b>8/8/2000</b>															
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:														
2000	5.2	2.6	28	13	117.1	8.2	7.85	534	587	155	189	0.008	0.011	0.043	0.088	1.78	4.166	1.447	0.165	0.035	1.589	2.103	<b>35</b> <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	26	26	25	22	17																														
DO	9.5	9.6	9.3	9.3	10	0.6	0.4																														
% Water Column Oxid:					80	Blue-Green Dominance %:					97	Notes:																									
Blue-greens (#/L):			88486	Greens (#/L):			61	Diatoms (#/L):			368	Other algae (#/L):			1596	Rotifers (#/L):			921	Zooplankton (#/L):			65	Plankton #/L:		91497											

Mud		County: <b>Noble</b>										Sample Location: <b>Deep Hole</b>										Date: <b>8/14/2000</b>															
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:														
2000	8.2	1.5	22	9	32.4	7.6	7	419.6	391.3	152	272	0.016	1.214	0.105	1.606	7.09	0.022	0.022	0.018	6.386	1.047	8.223	<b>57</b> <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	29	24	220	23	19	12	9.4	7.6	7	6.5																											
DO	7.2	4.7	2.8	5.7	2.5	0.5	0.4	0.4	0.4	0.4																											
% Water Column Oxid:					50	Blue-Green Dominance %:					82	Notes:																									
Blue-greens (#/L):			126253	Greens (#/L):			1035	Diatoms (#/L):			103	Other algae (#/L):			24009	Rotifers (#/L):			2070	Zooplankton (#/L):			87.2	Plankton #/L:		153557											

Nasby Mill Pond		County: <b>Lagrange</b>										Sample Location: <b>Deep Hole</b>										Date: <b>7/5/2000</b>															
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:														
2000	1.8	1.3	20	5	93	8		627		220		0.006		0.054		2.18	2.538		0.099		0.23		<b>21</b> <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	24	24																																		
DO	7.8	8	7.8																																		
% Water Column Oxid:					100	Blue-Green Dominance %:					5	Notes:																									
Blue-greens (#/L):			2569	Greens (#/L):			9418	Diatoms (#/L):			39098	Other algae (#/L):			285	Rotifers (#/L):			0	Zooplankton (#/L):			6.5	Plankton #/L:		51377											



# Clean Lakes Program Data Summary

2000

<b>Norman</b>		County: <b>Noble</b>											Sample Location: <b>Deep Hole</b>										Date: <b>8/15/2000</b>														
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: <b>27</b> <i>Intermediate</i>														
2000	14	2.1	37	12	34.1	7.4	6.95	377	283	144	193	0.018	1.102	0.095	1.262	4.1	0.022	0.022	0.018	3.125	0.919	4.324															
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	24	21	17	13	11	9	7.7	7	6.3	5.9	5.6	5.4	5.3																					
DO	3.5	3.5	2.9	2.5	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4																						
% Water Column Oxid:				21	Blue-Green Dominance %:							50	Notes:																								
Blue-greens (#/L):				29892	Greens (#/L):				788	Diatoms (#/L):				187	Other algae (#/L):				28399	Rotifers (#/L):				62	Zooplankton (#/L):				150	Plankton #/L:				59477			

<b>North Twin</b>		County: <b>Lagrange</b>											Sample Location: <b>Deep Hole</b>										Date: <b>7/6/2000</b>															
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: <b>6</b> <i>High</i>															
2000	11.6	1.7	35	29	80.2	8.3	7.7	414.4		128	171	0.008	0.008	0.025	0.032	0.56	0.281	0.059	0.425	0.562	0.443	1.27																
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	27	27	27	26	25	22	17	14	12	11	10	10																									
DO	6.7	6.5	6.5	6.6	6.5	6.7	6.4	6.9	5	1.5	0.3	0.3	0.3																									
% Water Column Oxid:				73	Blue-Green Dominance %:							30	Notes:																									
Blue-greens (#/L):				687	Greens (#/L):				360	Diatoms (#/L):				622	Other algae (#/L):				327	Rotifers (#/L):				229	Zooplankton (#/L):				73.7	Plankton #/L:				2299				

<b>Olin</b>		County: <b>Lagrange</b>											Sample Location: <b>Deep Hole</b>										Date: <b>7/11/2000</b>														
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: <b>26</b> <i>Intermediate</i>														
2000	24.4	1.2	14	18	106.9	8.4	7.7	476	321.3	166	202	0.01	0.008	0.039	0.054	1.22	1.694	0.2	0.06	0.536	0.553	0.847															
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	19	14	11	9.3	8.4	7.6	7.3	7	6.7	6.6	6.3	6.1	5.9	5.9	5.6	5.5	5.5	5.4	5.4	5.3											
DO	8.5	8.8	8.8	8.6	8.6	12	16	13	11	8.8	7.7	8.2	6.6	3.6	2.6	2	1.3	1.6	1.5	1.5	0.6	0.5	0.5	0.5	0.5												
% Water Column Oxid:				75	Blue-Green Dominance %:							64	Notes:																								
Blue-greens (#/L):				1697	Greens (#/L):				29	Diatoms (#/L):				196	Other algae (#/L):				646	Rotifers (#/L):				58	Zooplankton (#/L):				15.4	Plankton #/L:				2641			

# Clean Lakes Program Data Summary

2000

<b>Oliver</b>		County: <b>Lagrange</b>										Sample Location: <b>Deep Hole</b>										Date: <b>7/11/2000</b>																		
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:																	
2000	27.4	2.1	45	26	95.7	8.4	7.7	406.8	309.2	145	174	0.01	0.015	0.016	0.031	1.14	0.332	0.14	0.069	0.48	0.553	0.719	<b>3</b>																	
																							<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	21	17	13	11	9.1	8.7	8.3	8.1	7.9	7.7	7.6	7.5	7.3	7.2	7.2	7.2	7.1	7.1	7.1	7	7												
DO	8	8.1	8	8.1	8.1	8	7.8	9.5	10	10	9.2	8.1	7.7	7.3	6.8	5.8	4.9	4.7	4.8	4.8	3.9	1.5	0.7	0.6	0.6	0.6	0.5	0.6												
% Water Column Oxid:					77	Blue-Green Dominance %:					34	Notes:																												
Blue-greens (#/L):			496	Greens (#/L):			14	Diatoms (#/L):			354	Other algae (#/L):					525	Rotifers (#/L):			43	Zooplankton (#/L):			10.3	Plankton #/L:			1442											

<b>Ontario Mill Pond</b>		County: <b>Lagrange</b>										Sample Location: <b>Deep Hole</b>										Date: <b>7/5/2000</b>																
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:															
2000	2.1	1.3	27	7	79.2	8		644		221		0.006		0.066		3.19	2.269		0.114		1.108		<b>24</b>															
																							<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	26	25	25																																		
DO	7.1	7.1	6.6	6.5																																		
% Water Column Oxid:					100	Blue-Green Dominance %:					7	Notes:																										
Blue-greens (#/L):			1872	Greens (#/L):			7844	Diatoms (#/L):			17202	Other algae (#/L):					0	Rotifers (#/L):			0	Zooplankton (#/L):			0	Plankton #/L:			26917									

<b>Pigeon</b>		County: <b>Lagrange</b>										Sample Location: <b>Deep Hole</b>										Date: <b>7/6/2000</b>															
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:														
2000	9.1	1.1	15	8	109	8.45	7.7	619	519	225	283	0.014	0.01	0.073	0.066	22.16	2.249	0.257	0.018	2.442	1.674	5.603	<b>36</b>														
																							<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	22	21	18	14	11	10																											
DO	11	11	10	9.7	6	2.3	0.3	0.3	0.3	0.3																											
% Water Column Oxid:					50	Blue-Green Dominance %:					1	Notes:																									
Blue-greens (#/L):			402	Greens (#/L):			7841	Diatoms (#/L):			8243	Other algae (#/L):					49159	Rotifers (#/L):			503	Zooplankton (#/L):			16	Plankton #/L:			66164								

# Clean Lakes Program Data Summary

2000

<b>Rider</b>		County: <b>Noble</b>												Sample Location: <b>Deep Hole</b>										Date: <b>8/14/2000</b>																																										
Year	2000	Max Depth (m)	4.6	Secchi (m)	2	Light@3' (%)	25	1% Light Level (ft)	12	DO @5' (%)	95.3	pH - epi	8.15	pH - hypso	7.5	Cond - epi	525	Cond - hyp	547	Alk - epi	156	Alk - hypso	194	SRP - epi	0.014	SRP - hyp	0.014	TP - epi	0.06	TP - hypso	0.071	Chl a	4.99	NO3 - epi	2.576	NO3 - hyp	0.789	NH3 - epi	0.172	NH3 - hyp	0.087	TKN - epi	1.319	TKN - hyp	1.817	ITSI:	<b>43</b>	<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	25	25	24	24	21																																																											
DO	8.2	8	7.9	7.7	4.6	3.5	0.4																																																											
% Water Column Oxid:		80					Blue-Green Dominance %:					88					Notes:																																																	
Blue-greens (#/L):		147000					Greens (#/L):					1260					Diatoms (#/L):					857					Other algae (#/L):					16938					Rotifers (#/L):					555					Zooplankton (#/L):					47					Plankton #/L:					166657				

<b>Rivir (Chain of Lakes)</b>		County: <b>Noble</b>												Sample Location: <b>Deep Hole</b>										Date: <b>8/14/2000</b>																																										
Year	2000	Max Depth (m)	9.8	Secchi (m)	1.3	Light@3' (%)	12	1% Light Level (ft)	9	DO @5' (%)	96.6	pH - epi	8.2	pH - hypso	7.35	Cond - epi	457.3	Cond - hyp	344	Alk - epi	153	Alk - hypso	216	SRP - epi	0.014	SRP - hyp	0.938	TP - epi	0.07	TP - hypso	1.128	Chl a	6.11	NO3 - epi	0.249	NO3 - hyp	0.022	NH3 - epi	0.141	NH3 - hyp	2.733	TKN - epi	1.252	TKN - hyp	3.863	ITSI:	<b>58</b>	<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	29	26	25	25	23	18	13	11	9.2	8.3	7.8																																																							
DO	7.4	8.1	7.9	7.4	2.6	1.1	0.4	0.4	0.4	0.4	0.4																																																							
% Water Column Oxid:		44					Blue-Green Dominance %:					96					Notes:																																																	
Blue-greens (#/L):		377572					Greens (#/L):					1310					Diatoms (#/L):					1727					Other algae (#/L):					13819					Rotifers (#/L):					477					Zooplankton (#/L):					51.5					Plankton #/L:					394956				

<b>Rothenberger</b>		County: <b>Kosciusko</b>												Sample Location: <b>Deep Hole</b>										Date: <b>8/7/2000</b>																																										
Year	2000	Max Depth (m)	7.6	Secchi (m)	1.8	Light@3' (%)	35	1% Light Level (ft)	10	DO @5' (%)	81.2	pH - epi	7.5	pH - hypso	7.3	Cond - epi	333.3	Cond - hyp	265.2	Alk - epi	155	Alk - hypso	182	SRP - epi	0.016	SRP - hyp	0.03	TP - epi	0.063	TP - hypso	0.118	Chl a	4.91	NO3 - epi	0.022	NO3 - hyp	0.022	NH3 - epi	0.09	NH3 - hyp	0.092	TKN - epi	0.23	TKN - hyp	0.23	ITSI:	<b>24</b>	<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	25	24	23	22	17	13	10	8.8																																																									
DO	7.3	7.7	6.9	5.1	6.2	0.4	0.3	0.3	0.3																																																									
% Water Column Oxid:		43					Blue-Green Dominance %:					91					Notes:																																																	
Blue-greens (#/L):		34350					Greens (#/L):					494					Diatoms (#/L):					453					Other algae (#/L):					2057					Rotifers (#/L):					206					Zooplankton (#/L):					11.2					Plankton #/L:					37570				

# Clean Lakes Program Data Summary

2000

**Royer** County: **Lagrange** Sample Location: **Deep Hole** Date: **7/10/2000**

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:																
2000	17.1	0.8	14	8	102.3	8.55	7.7	429		134	189	0.012	0.01	0.04	0.051	8.41	0.837	0.41	0.055	0.343	0.848	1.779	<b>41</b> <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	25	25	23	18	14	11	8.6	7.9	7.3	7.1	6.8	6.6	6.4	6.4	6.3	6.3	6.3																				
DO	8.2	8.8	8.8	8.9	4.2	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5																				
% Water Column Oxidic: 17					Blue-Green Dominance %: 96					Notes:																													
Blue-greens (#/L): 70007					Greens (#/L): 76					Diatoms (#/L): 379					Other algae (#/L): 2617					Rotifers (#/L): 76					Zooplankton (#/L): 104.4					Plankton #/L: 73259									

**Sacrider** County: **Noble** Sample Location: **Deep Hole** Date: **7/31/2000**

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:																
2000	15.2	1.7	35	10	68.1	8.1	7.55	490.4	322.9	181	201	0.016	0.734	0.023	0.74	5.16	0.022	0.022	0.079	1.519	1.437	2.437	<b>25</b> <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	25	24	22	16	12	10	9.1	8.3	7.8	7.5	7.2	7.1	7.1	7	7																						
DO	5.8	5.8	5.3	0.9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2																					
% Water Column Oxidic: 13					Blue-Green Dominance %: 43					Notes:																													
Blue-greens (#/L): 11676					Greens (#/L): 156					Diatoms (#/L): 847					Other algae (#/L): 14016					Rotifers (#/L): 646					Zooplankton (#/L): 54.3					Plankton #/L: 27395									

**Sand** County: **Noble** Sample Location: **Deep Hole** Date: **8/15/2000**

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:																
2000	15.5	2.6	8	13	101.1	8.4	7.7	495	577	174	210	0.016	0.626	0.055	0.728	1.61	1.369	0.022	0.018	1.617	0.973	2.721	<b>53</b> <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	25	20	13	9.8	8.7	7.8	7.2	6.7	6.2	5.8	5.5	5.3	5.2																						
DO	8.2	8	8.3	8.3	9.3	13	0.9	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8																						
% Water Column Oxidic: 33					Blue-Green Dominance %: 87					Notes:																													
Blue-greens (#/L): 149627					Greens (#/L): 1296					Diatoms (#/L): 3280					Other algae (#/L): 18040					Rotifers (#/L): 263					Zooplankton (#/L): 22.6					Plankton #/L: 172529									

# Clean Lakes Program Data Summary

2000

## Shipshewana

County: **Lagrange**

Sample Location: **Deep Hole**

Date: **7/5/2000**

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:																
2000	4.9	0.3	2	3	133	9.65	7.9	350	377	71	105	0.005	0.006	0.114	0.145	21.36	0.022	0.022	0.032	0.07	1.024	0.912	<b>41</b> <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	26	23	23																																	
DO	12	13	11	6.1	0.4	0.3																																	
% Water Column Oxid:					50	Blue-Green Dominance %:					97	Notes:						Rotifers (#/L):					364	Zooplankton (#/L):					509.3	Plankton #/L:					82912				
Blue-greens (#/L):			80038	Greens (#/L):			728	Diatoms (#/L):			728	Other algae (#/L):			546																								

## Shock

County: **Kosciusko**

Sample Location: **Deep Hole**

Date: **8/8/2000**

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:																
2000	18	2.2	42	11	98	8.1	7.15	421.1	288.3	161	220	0.021	0.977	0.039	1.412	1.91	0.022	0.022	0.018	0.669	1.105	6.501	<b>35</b> <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	24	19	14	11	8.8	7.4	6.7	6.2	5.9	5.5	5.2	5	4.8	4.7	4.7	4.7																			
DO	7.9	7.9	7.9	8	3	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
% Water Column Oxid:					22	Blue-Green Dominance %:					84	Notes:						Rotifers (#/L):					417	Zooplankton (#/L):					60.6	Plankton #/L:					47219				
Blue-greens (#/L):			39476	Greens (#/L):			93	Diatoms (#/L):			5160	Other algae (#/L):			2013																								

## Shockapee

County: **Noble**

Sample Location: **Deep Hole**

Date: **7/18/2000**

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:																
2000	7.9	2.6	40	11	104.5	8.23	7.5	593	456	209	218	0.01	0.125	0.048	0.221	3.12	3.528	0.69	0.093	1.409	1.345	2.273	<b>41</b> <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	25	23	17	12	10	9.2																															
DO	8.9	8.7	8.9	15	14	0.2	0.2	0.2																															
% Water Column Oxid:					50	Blue-Green Dominance %:					9	Notes:						Rotifers (#/L):					2432	Zooplankton (#/L):					102.8	Plankton #/L:					219873				
Blue-greens (#/L):			19110	Greens (#/L):			869	Diatoms (#/L):			6428	Other algae (#/L):			190931																								

# Clean Lakes Program Data Summary

2000

## Simonton

County: **Elkhart**

Sample Location: **Deep Hole**

Date: **7/25/2000**

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:															
2000	6.1	2.2	65	16	96	8.3		383		130		0.008		0.035		1.62	0.256		0.157		0.604		<b>3</b> 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	24																																
DO	8.0	8.1	8.0	8	7.5	7.2	6.5																															
% Water Column Oxid:					100	Blue-Green Dominance %:					24	Notes:						Rotifers (#/L):					164	Zooplankton (#/L):					8.3	Plankton #/L:					2509			
Blue-greens (#/L):			602	Greens (#/L):			913	Diatoms (#/L):			201	Other algae (#/L):			621																							

## Skinner

County: **Noble**

Sample Location: **Deep Hole**

Date: **7/31/2000**

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:															
2000	9.8	1	32	10	120.7	8.5	7.5	553	466	142	213	0.015	0.298	0.042	0.462	10.12	2.773	0.393	0.018	1.821	1.593	2.931	<b>43</b> 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	26	25	25	25	21	17	14	12	12	12																											
DO	10	10	9.9	9.9	5.9	0.2	0.2	0.2	0.2	0.2	0.2																											
% Water Column Oxid:					33	Blue-Green Dominance %:					65	Notes:						Rotifers (#/L):					455	Zooplankton (#/L):					82.4	Plankton #/L:					21918			
Blue-greens (#/L):			14200	Greens (#/L):			327	Diatoms (#/L):			4727	Other algae (#/L):			2127																							

## South Twin

County: **Lagrange**

Sample Location: **Deep Hole**

Date: **7/6/2000**

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:															
2000	15.2	2.4	65	38	81	8.4	7.8	389.4	293.3	140	163	0.006	0.007	0.044	0.023	0.49	0.19	0.086	0.033	0.635	0.304	1.305	<b>4</b> 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	26	25	24	21	17	13	11	10	9.3	8.8	8.4	8.3																						
DO	7.4	7.4	7.3	7.4	7.4	7.8	8.2	11	14	14	12	10	6.4	3.7	1	0.3																						
% Water Column Oxid:					93	Blue-Green Dominance %:					6	Notes:						Rotifers (#/L):					27	Zooplankton (#/L):					6.2	Plankton #/L:					160			
Blue-greens (#/L):			9	Greens (#/L):			0	Diatoms (#/L):			45	Other algae (#/L):			72																							

# Clean Lakes Program Data Summary

2000

**Sparta** County: **Noble** Sample Location: **Deep Hole** Date: **8/1/2000**

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:																
2000	2.4	1.3	21	8	95.7	8.4		406.3		109		0.016		0.048		3.94	0.655	0.092	0.12	0.798	0.853	1.533	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																																			
DO	7.7	7.7	7.6	6.6																																			
% Water Column Oxid:					100	Blue-Green Dominance %:					46	Notes:						Rotifers (#/L):					851	Zooplankton (#/L):					156.7	Plankton #/L:					3604				
Blue-greens (#/L):					1660	Greens (#/L):					170	Diatoms (#/L):					638	Other algae (#/L):					128																

**Spear** County: **Kosciusko** Sample Location: **Deep Hole** Date: **8/7/2000**

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:																
2000	11.6	2.5	30	14	88.1	7.95	7.3	340.4	274.4	153	193	0.006	0.422	0.043	0.461	1.34	0.022	0.022	0.131	2.086	0.892	0.23	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	25	25	24	19	15	11	9.6	9.2	8.9	8.8	8.7																										
DO	7.4	7.4	7.2	7.1	6.4	9.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3																										
% Water Column Oxid:					36	Blue-Green Dominance %:					87	Notes:						Rotifers (#/L):					283	Zooplankton (#/L):					31.4	Plankton #/L:					20577				
Blue-greens (#/L):					17889	Greens (#/L):					106	Diatoms (#/L):					496	Other algae (#/L):					1771																

**Steinbarger** County: **Noble** Sample Location: **Deep Hole** Date: **7/17/2000**

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:																	
2000	10.7	1.8	43	12	118.2	8.45	7.6	589	413.4	198	223	0.003	0.093	0.071	0.214	5.75	4.006	0.484	0.018	1.732	1.158	2.57	35 <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	24	19	15	12	10	9.5	9	8.8																												
DO	9.5	9.6	9.5	9.4	7.9	0.6	0.3	0.3	0.3	0.3	0.3	0.3																												
% Water Column Oxid:					40	Blue-Green Dominance %:					61	Notes:						Rotifers (#/L):					322	Zooplankton (#/L):					23.2	Plankton #/L:					16672					
Blue-greens (#/L):					10163	Greens (#/L):					152	Diatoms (#/L):					4589	Other algae (#/L):					1422																	

# Clean Lakes Program Data Summary

2000

**Stone** County: **Lagrange** Sample Location: **Deep Hole** Date: **7/24/2000**

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:															
2000	11.3	2.4	45	25	119.6	8.8	8	205.4	236.1	79	101	0.008	0.009	0.035	0.035	1.43	0.022	0.022	0.045	0.018	0.23	0.23	<b>5</b> 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	25	25	25	24	23	21	19																												
DO	9.8	9.8	9.8	10	10	10	9.3	6.8	1.4	0.2																												
% Water Column Oxid: 88				Blue-Green Dominance %: 43				Notes:																														
Blue-greens (#/L): 972				Greens (#/L): 31				Diatoms (#/L): 36				Other algae (#/L): 1188				Rotifers (#/L): 54				Zooplankton (#/L): 3.9				Plankton #/L: 2285														

**Sylvan** County: **Noble** Sample Location: **Deep Hole** Date: **7/17/2000**

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:															
2000	9.1	0.5	5	4	120.1	8.53	7.5	621	543	160	178	0.009	0.174	0.086	0.265	28.91	0.022	0.022	0.178	0.927	1.582	1.555	<b>55</b> 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	26	26	24	20	16	13	11	0																												
DO	10	10	9.6	9.5	9	1.7	0.3	0.3	0.3	0.3																												
% Water Column Oxid: 50				Blue-Green Dominance %: 80				Notes:																														
Blue-greens (#/L): 148116				Greens (#/L): 12328				Diatoms (#/L): 20254				Other algae (#/L): 4403				Rotifers (#/L): 881				Zooplankton (#/L): 92.2				Plankton #/L: 186074														

**Syracuse** County: **Kosciusko** Sample Location: **Deep Hole** Date: **7/31/2000**

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:															
2000	10.7	3.6	22	19	85.1	8.4	7.7	363.7	352.8	126	144	0.019	0.021	0.01	0.016	1.13	0.022	0.022	0.02	0.313	0.617	0.73	<b>15</b> 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	26	26	26	25	22	20	18																											
DO	7	7	7	6.9	6.9	6.9	6.9	5.6	0.8	0.5	0.1																											
% Water Column Oxid: 89				Blue-Green Dominance %: 72				Notes:																														
Blue-greens (#/L): 616				Greens (#/L): 16				Diatoms (#/L): 46				Other algae (#/L): 129				Rotifers (#/L): 46				Zooplankton (#/L): 7.4				Plankton #/L: 860														



# Clean Lakes Program Data Summary

2000

## Tamarack (Rome City)

County: **Noble**

Sample Location: **Deep Hole**

Date: **7/17/2000**

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:																
2000	10.1	1.1	20	9	140.6	8.45	7.5	569	428.6	206	238	0.005	0.34	0.071	0.483	4.21	3.001	0.332	0.021	2.22	1.194	3.134	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	26	26	26	26	20	16	12	10	9.3	8.7	8.4	8.2																											
DO	11	11	11	11	4.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3																											
% Water Column Oxid:					30	Blue-Green Dominance %:					44	Notes:																											
Blue-greens (#/L):			38664	Greens (#/L):			839	Diatoms (#/L):			42724	Other algae (#/L):			4237	Rotifers (#/L):			2207	Zooplankton (#/L):			23.1	Plankton #/L:			88694												

## Village (Indian)

County: **Noble**

Sample Location: **Deep Hole**

Date: **8/14/2000**

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:																
2000	6.7	1.6	35	16	92	8.2	7.5	519	452.4	166	213	0.013	0.015	0.065	0.127	3.23	1.756	0.063	0.018	0.018	1.154	2.09	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	26	26	25	25	24	20	15	12																															
DO	7.5	7.5	7.6	7.5	6.5	6.2	0.3	0.4																															
% Water Column Oxid:					66	Blue-Green Dominance %:					91	Notes:																											
Blue-greens (#/L):			65102	Greens (#/L):			1339	Diatoms (#/L):			724	Other algae (#/L):			4306	Rotifers (#/L):			36	Zooplankton (#/L):			25.5	Plankton #/L:			71533												

## Wabee

County: **Kosciusko**

Sample Location: **Deep Hole**

Date: **8/1/2000**

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:																
2000	14.9	3	30	32	113	8.5	7.6	463.3	385.1	147	202	0.016	0.027	0.022	0.042	1.68	0.362	0.037	0.018	0.991	0.412	1.817	11																
																							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	25	1E+03	24	21	17	14	13	11	11	10	10																								
DO	9.4	9.2	9.3	9.3	9.3	9.2	9.3	7.6	4.9	0.5	0.3	0.2	0.2	0.2	0.1																								
% Water Column Oxid:					64	Blue-Green Dominance %:					48	Notes:																											
Blue-greens (#/L):			895	Greens (#/L):			82	Diatoms (#/L):			96	Other algae (#/L):			717	Rotifers (#/L):			61	Zooplankton (#/L):			18.2	Plankton #/L:			1869												

# Clean Lakes Program Data Summary

2000

**Waldron** County: **Noble** Sample Location: **Deep Hole** Date: **7/17/2000**

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:																
2000	12.2	0.6	8	6	111.4	8.53	7.5	520	428.3	162	207	0.011	0.255	0.073	0.303	22.43	0.224	0.022	0.059	1.883	1.335	2.563	<b>55</b> 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	26	26	26	24	16	13	11	10	9.5																												
DO	10	10	9.9	10	9.5	1.9	0.2	0.2	0.2	0.2	0.2																												

% Water Column Oxid: 44 Blue-Green Dominance %: 78 Notes:  
 Blue-greens (#/L): 117712 Greens (#/L): 9943 Diatoms (#/L): 10745 Other algae (#/L): 10424 Rotifers (#/L): 2406 Zooplankton (#/L): 43.8 Plankton #/L: 151274

**Wawasee** County: **Kosciusko** Sample Location: **Deep Hole** Date: **7/31/2000**

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:																
2000	23.5	2.2	15	17	79.2	8.6	7.65	382.5	305	125	149	0.021	0.033	0.013	0.026	2.29	0.022	0.022	0.063	0.018	0.473	0.499	<b>16</b> 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	25	25	25	24	23	23	22	20	18	16	15	15	14	14	13	13																			
DO	6.3	6.4	6.6	6.6	6.6	6.7	6.7	5.4	5.1	4.2	1.7	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1																	

% Water Column Oxid: 50 Blue-Green Dominance %: 75 Notes:  
 Blue-greens (#/L): 2108 Greens (#/L): 114 Diatoms (#/L): 57 Other algae (#/L): 399 Rotifers (#/L): 114 Zooplankton (#/L): 12.5 Plankton #/L: 2804

**Westler** County: **Lagrange** Sample Location: **Deep Hole** Date: **7/11/2000**

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:																
2000	10.7	1.2	21	10	106.2	8.45	7.7	489.2	363.9	174	216	0.012	0.03	0.025	0.04	4.87	0.544	0.05	0.069	1.322	0.917	1.799	<b>34</b> 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	26	25	25	24	21	17	13	11	9.5	9																												
DO	8.7	8.8	8.7	8.7	7.1	1	0.5	0.6	0.6	0.6	0.6																												

% Water Column Oxid: 44 Blue-Green Dominance %: 94 Notes:  
 Blue-greens (#/L): 40037 Greens (#/L): 100 Diatoms (#/L): 349 Other algae (#/L): 1747 Rotifers (#/L): 150 Zooplankton (#/L): 64.8 Plankton #/L: 42448

# Clean Lakes Program Data Summary

2000

**Wible** County: **Noble** Sample Location: **Deep Hole** Date: **7/18/2000**

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:																
2000	7.3	0.6	14	7	114.1	8.5	7.5	502	465	143	228	0.015	0.273	0.102	0.344	24.46	2.403	0.243	0.036	2.704	1.822	3.572	<b>51</b> <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	24	20	16	13	12																															
DO	17	16	12	8.3	0.2	0.2	0.2	0.2																															

% Water Column Oxid: 33 Blue-Green Dominance %: 64 Notes:  
 Blue-greens (#/L): 39859 Greens (#/L): 9842 Diatoms (#/L): 272 Other algae (#/L): 11637 Rotifers (#/L): 653 Zooplankton (#/L): 97.8 Plankton #/L: 62361

**Witmer** County: **Lagrange** Sample Location: **Deep Hole** Date: **7/11/2000**

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:																
2000	16.5	1.4	26	12	98.7	8.4	7.6	501	349.1	180	206	0.013	0.223	0.065	0.296	5.85	0.537	0.068	0.312	1.155	0.947	1.735	<b>38</b> <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	25	19	15	11	9.5	8.7	8.4	8.2	8	7.9	7.7																							
DO	8.5	8.6	8.6	8.6	8.5	7.5	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7																							

% Water Column Oxid: 29 Blue-Green Dominance %: 91 Notes:  
 Blue-greens (#/L): 22076 Greens (#/L): 116 Diatoms (#/L): 233 Other algae (#/L): 1454 Rotifers (#/L): 407 Zooplankton (#/L): 26.5 Plankton #/L: 24313

**Wyland** County: **Kosciusko** Sample Location: **Deep Hole** Date: **8/7/2000**

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:																
2000	11.6	2.4	33	16	83.1	7.6	7	213.3	229.5	100	154	0.013	0.045	0.039	0.436	1.49	0.022	0.022	0.018	0.293	0.83	4.445	<b>24</b> <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	26	26	25	24	19	14	11	8.7	7	6.3	5.9	5.7																										
DO	6.5	6.8	6.7	5.1	3.2	3.6	1.9	1.1	2.0	0.3	0.3	0.3	0.3																										

% Water Column Oxid: 64 Blue-Green Dominance %: 57 Notes:  
 Blue-greens (#/L): 2391 Greens (#/L): 23 Diatoms (#/L): 80 Other algae (#/L): 1613 Rotifers (#/L): 46 Zooplankton (#/L): 25 Plankton #/L: 4178

# Clean Lakes Program Data Summary

2000

Yellow Creek

County: **Elkhart**

Sample Location: **Deep Hole**

Date: **7/25/2000**

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:														
2000	6.1	0.5	2	3	2.2	7.4	7.2	600	669	232	256	0.051	0.329	0.524	0.511	30.61	0.022	0.998	0.039	2.387	4.026	5.437	<b>50</b> <i>Intermediate</i>														
<b>Depth</b>	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
<b>Temp</b>	26	21	20	18																																	
<b>DO</b>	13	2.3	0.2	0.1																																	
<b>% Water Column Oxid:</b> 33					<b>Blue-Green Dominance %:</b> 1					<b>Notes:</b>																											
<b>Blue-greens (#/L):</b> 4157			<b>Greens (#/L):</b> 77209			<b>Diatoms (#/L):</b> 396			<b>Other algae (#/L):</b> 219552				<b>Rotifers (#/L):</b> 4751			<b>Zooplankton (#/L):</b> 1392.4			<b>Plankton #/L:</b> 307459																		