

CTR-146

55

APPENDIX A

BENTHOS POPULATIONS AT LOCUST POINT

1973

TABLE A-1
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
MAY, 1973

56

BENTHOS SAMPLES	Sta. 1	Sta. 2	Sta. 3	Sta. 4	Sta. 5	Sta. 6	Sta. 7	Sta. 8	Sta. 9
COELENTERATA									
<i>Hydra</i> sp.			109					18	18
PLATYHELMINTHES									
Planariidae									
ANNELIDA									
Hirudinea									
<i>Glossiphonia complanata</i>									
<i>Helobdella stagnalis</i>									
<i>Helobdella elongata</i>									
<i>Nepheleopsis pseudoobtusata</i>							18		
Oligochaeta, Immature			543			181	3403	1032	923
Tubificidae									
<i>Branchiura sowerbyi</i>							72	36	
<i>Limnodrilus cervix</i>									
<i>L. clavaredeanus</i>						36			
<i>L. clavaredeanus-cervix</i>									
<i>L. hoffmeisteri</i>								54	
<i>L. maumeensis</i>									
<i>L. udekemicus</i>									
<i>Potamothrrix moldaviensis</i>			36			163	163	72	91
<i>P. vejdoskyi</i>							109	91	
Naididae									
<i>Nais</i> sp.									
<i>Naidium</i> sp.									
<i>Pristina</i> sp.									
<i>Stylaria</i> sp.									
<i>Uncinaria uncinata</i> sp.								18	109
ARTHROPODA									
Isopoda									
<i>Asellus</i> sp.									
Amphipoda									
<i>Gammarus fasciatus</i>			72			18	18		18
<i>Hyaella azteca</i>									
Ephemeroptera									
<i>Caenis</i> sp.						18			
Trichoptera									
<i>Athripsodes</i> sp.									
<i>Oecetis</i> sp.									
<i>Polycentropus</i> sp.									

Notes:

1. Sample collection date: 5-25-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-1 CONT.
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
MAY, 1973

BENTHOS SPECIES	Sta. 1	Sta. 2	Sta. 3	Sta. 4	Sta. 5	Sta. 6	Sta. 7	Sta. 8	Sta. 9
ARTHROPODA (Cont.)									
Limnephilidae									
Chironomidae									
Chironominae									
<i>Chironomus (Chironomus) sp.</i>									
<i>C. (Cryptochironomus) sp.</i>			18					54	91
<i>Polypedilum sp.</i>						18	290	54	
<i>Pseudochironomus sp.</i>									18
<i>Tanytarsus sp.</i>			36				326	54	54
Tanypodinae									
<i>Coelotanypus sp.</i>									
<i>Procladius sp.</i>			36				18		
Orthocladiinae									
<i>Cricotopus sp.</i>									
<i>Psectrocladius sp.</i>									
MOLLUSCA									
Gastropoda									
<i>Ammicola sp.</i>									
<i>Bulimus sp.</i>									
<i>Gyraulus sp.</i>									
<i>Physa sp.</i>									
<i>Pleurocera-Goniobasis sp.</i>		18							
<i>Valvata sp.</i>									
Pelecypoda									
Unionidae									
<i>Amblema plicata</i>									
<i>Lampsilis ventricosa</i>									
<i>L. radiata</i>									
<i>Leptodea fragilis</i>									
<i>Ligumia recta</i>									
<i>Potamilus alatus</i>									
<i>Quadrula pustulosa</i>									
Sphaeriidae									
<i>Pisidium sp.</i>							18		
<i>Sphaerium sp.</i>			18						
Total	0	18	886		0	434	4435	1484	1321

Notes:

1. Sample collection date: 5-25-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-1 CONT.
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
MAY, 1973

58

BENTHOS SAMPLES	Sta. 10	Sta. 11	Sta. 12	Sta. 13	Sta. 14	Sta. 15	Sta. 16	Sta. 17	Sta. 18
COELENTERATA									
<i>Hydra</i> sp.	18				18				
PLATYHELMINTHES									
Planariidae									
ANNELIDA									
Hirudinea									
<i>Glossiphonia complanata</i>									
<i>Helobdella stagnalis</i>									
<i>Helobdella elongata</i>									
Oligochaeta, Immatures	326	18	91	145	217		72		380
Tubificidae									
<i>Branchiura sowerbyi</i>									
<i>Limnodrilus cervix</i>									
<i>L. claparedeanus</i>									
<i>L. claparedeanus-cervix</i>									
<i>L. hoffmeisteri</i>									36
<i>L. maumeensis</i>									
<i>L. udekemianus</i>									
<i>Potamotheix moldaviensis</i>		54		18	36				18
<i>P. vejdoskyi</i>							18		
Naididae									
<i>Nais</i> sp.									
<i>Naidium</i> sp.									
<i>Pristina</i> sp.									
<i>Stylaria</i> sp.									
<i>Uncinaxis uncinata</i> sp.									
ARTHROPODA									
Isopoda									
<i>Asellus</i> sp.									
Amphipoda									
<i>Gammarus fasciatus</i>				109		36			
<i>Hyalella azteca</i>									
Ephemeroptera									
<i>Caenis</i> sp.				18					
Trichoptera									
<i>Athripsodes</i> sp.									
<i>Decetis</i> sp.									
<i>Polycentropus</i> sp.									

Notes:

1. Sample collection date: 5-25-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-1 CONT.
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
MAY, 1973

BENTHOS SPECIES	Sta. 10	Sta. 11	Sta. 12	Sta. 13	Sta. 14	Sta. 15	Sta. 16	Sta. 17	Sta. 18
ARTHROPODA (Cont.)									
Limnephilidae									
Chironomidae									
Chironominae									
<i>Chironomus (Chironomus) sp.</i>									
<i>C. (Cryptochironomus) sp.</i>		54		18	18	18			163
<i>Polypedilum sp.</i>				18	72				36
<i>Pseudochironomus sp.</i>									
<i>Tanytarsus sp.</i>			9	18					18
Tanypodinae									
<i>Coelotanypus sp.</i>									
<i>Procladius sp.</i>	18								
Orthocladiinae									
<i>Cricotopus sp.</i>									
<i>Psectrocladius sp.</i>									
MOLLUSCA									
Gastropoda									
<i>Amnicola sp.</i>									
<i>Bulimus sp.</i>									
<i>Gyraulus sp.</i>									
<i>Physa sp.</i>									
<i>Pleurocera-Goniobasis sp.</i>									
<i>Valvata sp.</i>									
Pelecypoda									
Unionidae									
<i>Amblema plicata</i>									
<i>Lampsilis ventricosa</i>									
<i>L. radiata</i>									
<i>Leptodea fragilis</i>									
<i>Ligumia recta</i>									
<i>Potamilus alatus</i>									
<i>Quadrula pustulosa</i>									
Sphaeriidae									
<i>Pisidium sp.</i>									
<i>Sphaerium sp.</i>									
Total	362	126	100	344	361	144	90		652

Notes:

1. Sample collection date: 5-25-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-1 CONT.
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
MAY, 1973

60

BENTHOS SAMPLES	Sta. 19	Sta. 20							
COELENTERATA									
<i>Hydra</i> sp.									
PLATYHELMINTHES									
Planariidae									
ANNELIDA									
Hirudinea									
<i>Glossiphonia complanata</i>									
<i>Helobdella stagnalis</i>									
<i>Helobdella elongata</i>									
Oligochaeta, Immatures									
Tubificidae									
<i>Branchiura sowerbyi</i>									
<i>Limnodrilus cervix</i>									
<i>L. claparedeanus</i>									
<i>L. claparedeanus-cervix</i>									
<i>L. hoffmeisteri</i>									
<i>L. maumeensis</i>									
<i>L. udekemianus</i>									
<i>Potamotheirus moldaviensis</i>									
<i>P. vejovskyi</i>									
Naididae									
<i>Nais</i> sp.									
<i>Naidium</i> sp.									
<i>Pristina</i> sp.									
<i>Stylaria</i> sp.									
<i>Uncinaria uncinata</i> sp.									
ARTHROPODA									
Isopoda									
<i>Asellus</i> sp.									
Amphipoda									
<i>Gammarus fasciatus</i>									
<i>Hyalella azteca</i>									
Ephemeroptera									
<i>Caenis</i> sp.									
Trichoptera									
<i>Athripsodes</i> sp.									
<i>Decetis</i> sp.									
<i>Polycentropus</i> sp.									

Notes:

1. Sample collection date: 5-25-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-1 CONT.
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
MAY, 1973

61

BENTHOS SPECIES	Sta. 19	Sta. 20							
ARTHROPODA (Cont.)									
Limnephilidae									
Chironomidae									
Chironominae									
<i>Chironomus (Chironomus) sp.</i>									
<i>C. (Cryptochironomus) sp.</i>									
<i>Polypedilum sp.</i>									
<i>Pseudochironomus sp.</i>									
<i>Tanytarsus sp.</i>									
Tanypodinae									
<i>Coelotanypus sp.</i>									
<i>Procladius sp.</i>									
Orthoclaadiinae									
<i>Cricotopus sp.</i>									
<i>Psectrocladius sp.</i>									
MOLLUSCA									
Gastropoda									
<i>Amnicola sp.</i>									
<i>Bulimus sp.</i>									
<i>Gyraulus sp.</i>									
<i>Physa sp.</i>									
<i>Pleurocera-Goniobasis sp.</i>									
<i>Valvata sp.</i>									
Pelecypoda									
Unionidae									
<i>Amblema plicata</i>									
<i>Lampsilis ventricosa</i>									
<i>L. radiata</i>									
<i>Leptodea fragilis</i>									
<i>Ligumia recta</i>									
<i>Potamilus alatus</i>									
<i>Quadrula pustulosa</i>									
Sphaeriidae									
<i>Pisidium sp.</i>									
<i>Sphaerium sp.</i>									
Total									

Notes:

1. Sample collection date: 5-25-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-2
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
JUNE and JULY, 1973

BENTHOS SAMPLES	Sta. 1	Sta. 2	Sta. 3	Sta. 4	Sta. 5	Sta. 6	Sta. 7	Sta. 8	Sta. 9
COELENTERATA									
<i>Hydra</i> sp.									
PLATYHELMINTHES									
Planariidae									
ANNELIDA									
Hirudinea									
<i>Glossiphonia complanata</i>									
<i>Helobdella stagnalis</i>									
<i>Helobdella elongata</i>									
Oligochaeta, Immatures			2842	1321			815	1177	434
Tubificidae									
<i>Branchiura sowerbyi</i>									
<i>Limnodrilus cervix</i>	54		109				18		
<i>L. claparedeanus</i>									
<i>L. claparedeanus-cervix</i>									
<i>L. hoffmeisteri</i>							36	54	
<i>L. maumeensis</i>									
<i>L. udekemianus</i>									
<i>Potamothenix moldaviensis</i>	18		706	217			18		290
<i>P. vejdoskyi</i>			398	36			72	36	
Naididae									
<i>Nais</i> sp.									
<i>Naidium</i> sp.									
<i>Pristina</i> sp.									
<i>Stylaria</i> sp.									
<i>Uncinaxis uncinata</i> sp.									
ARTHROPODA									
Isopoda									
<i>Asellus</i> sp.									
Amphipoda									
<i>Gammarus fasciatus</i>					18				
<i>Hyalella azteca</i>									
Ephemeroptera									
<i>Caenis</i> sp.			36						
Trichoptera									
<i>Athripsoides</i> sp.									
<i>Oecetis</i> sp.									
<i>Polycentropus</i> sp.									

Notes:

1. Sample collection date: 6-27-73 and 7-2-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-2 CONT.
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
JUNE and JULY, 1973

BENTHOS SPECIES	Sta. 1	Sta. 2	Sta. 3	Sta. 4	Sta. 5	Sta. 6	Sta. 7	Sta. 8	Sta. 9
ARTHROPODA (Cont.)									
Limnephilidae									
Chironomidae									
Chironominae									
<i>Chironomus (Chironomus) sp.</i>	91		36				235	36	18
<i>C. (Cryptochironomus) sp.</i>	18			36			18		36
<i>Polypedium sp.</i>	18		18						
<i>Pseudochironomus sp.</i>									
<i>Tanytarsus sp.</i>			18					217	54
Tanypodinae									
<i>Coelotanypus sp.</i>									
<i>Procladius sp.</i>			18	36				72	
Orthocladiinae									
<i>Cricotopus sp.</i>									
<i>Psectrocladius sp.</i>									
MOLLUSCA									
Gastropoda									
<i>Amnicola sp.</i>									
<i>Bulimus sp.</i>									
<i>Gyraulus sp.</i>									
<i>Physa sp.</i>									
<i>Pleurocera-Goniobasis sp.</i>									
<i>Valvata sp.</i>									
Pelecypoda									
Unionidae									
<i>Amblema plicata</i>									
<i>Lampsilis ventricosa</i>									
<i>L. radiata</i>									
<i>Leptodea fragilis</i>									
<i>Ligumia recta</i>									
<i>Potamilus alatus</i>									
<i>Quadrula pustulosa</i>									
Sphaeriidae									
<i>Pisidium sp.</i>									
<i>Sphaerium sp.</i>	18								
Total	217	0	4181	1646	18		1212	1592	832

Notes:

1. Sample collection date: 6-27-73 and 7-2-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-2 CONT.
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
JUNE and JULY, 1973

64

BENTHOS SAMPLES	Sta. 10	Sta. 11	Sta. 12	Sta. 13	Sta. 14	Sta. 15	Sta. 16	Sta. 17	Sta. 18
COELENTERATA									
<i>Hydra</i> sp.									
PLATYHELMINTHES									
Planariidae									
ANNELIDA									
Hirudinea									
<i>Glossiphonia complanata</i>									
<i>Helobdella stagnalis</i>									
<i>Helobdella elongata</i>									
Oligochaeta, Immatures		18	181	561	561	109			380
Tubificidae									
<i>Branchiura sowerbyi</i>									
<i>Limnodrilus cervix</i>						36			
<i>L. claparedeanus</i>						18			
<i>L. claparedeanus-cervix</i>									
<i>L. hoffmeisteri</i>									
<i>L. maumeensis</i>									
<i>L. udekemianus</i>									
<i>Potamothrix moldaviensis</i>			72		18				18
<i>P. vejovskyi</i>						308			
Naididae									
<i>Nais</i> sp.									
<i>Naidium</i> sp.									
<i>Pristina</i> sp.									
<i>Stylaria</i> sp.									
<i>Uncinaxis uncinata</i> sp.									
ARTHROPODA									
Isopoda									
<i>Asellus</i> sp.									
Amphipoda									
<i>Gammarus fasciatus</i>									
<i>Hyalella azteca</i>									
Ephemeroptera									
<i>Caenis</i> sp.									
Trichoptera									
<i>Athripsodes</i> sp.									
<i>Oecetis</i> sp.									
<i>Polycentropus</i> sp.									

Notes:

1. Sample collection date: 6-27-73 and 7-2-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-2 CONT.
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
JUNE and JULY, 1973

65

BENTHOS SPECIES	Sta. 10	Sta. 11	Sta. 12	Sta. 13	Sta. 14	Sta. 15	Sta. 16	Sta. 17	Sta. 18
ARTHROPODA (Cont.)									
Limnephilidae									
Chironomidae									
Chironominae									
<i>Chironomus (Chironomus) sp.</i>			380	199	54	72	109		91
<i>C. (Cryptochironomus) sp.</i>			18						
<i>Polypedilum sp.</i>						36			
<i>Pseudochironomus sp.</i>									
<i>Tanytarsus sp.</i>									
Tanypodinae									
<i>Coelotanypus sp.</i>									
<i>Procladius sp.</i>						72			36
Orthoclaadiinae									
<i>Cricotopus sp.</i>									
<i>Psectrocladius sp.</i>									
MOLLUSCA									
Gastropoda									
<i>Amnicola sp.</i>									
<i>Bulimus sp.</i>									
<i>Gyraulus sp.</i>									
<i>Physa sp.</i>									
<i>Pleurocera-Goniobasis sp.</i>									
<i>Valvata sp.</i>									
Pelecypoda									
Unionidae									
<i>Amblema plicata</i>									
<i>Lampsilis ventricosa</i>									
<i>L. radiata</i>									
<i>Leptodea fragilis</i>									
<i>Ligumia recta</i>									
<i>Potamilus alatus</i>									
<i>Quadrula pustulosa</i>									
Sphaeriidae									
<i>Pisidium sp.</i>									
<i>Sphaerium sp.</i>									
Total	0	18	651	761	633	651	109		525

Notes:

1. Sample collection date: 6-27-73 and 7-2-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-2 CONT.
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
JUNE and JULY, 1973

36

BENTHOS SAMPLES	Sta. 19	Sta. 20							
COELENTERATA									
<i>Hydra</i> sp.									
PLATYHELMINTHES									
Planariidae									
ANNELIDA									
Hirudinea									
<i>Glossiphonia complanata</i>									
<i>Helobdella stagnalis</i>									
<i>Helobdella elongata</i>									
Oligochaeta, Immatures									
Tubificidae									
<i>Branchiura sowerbyi</i>									
<i>Limnodrilus cervix</i>									
<i>L. claparedeanus</i>									
<i>L. claparedeanus-cervix</i>									
<i>L. hoffmeisteri</i>									
<i>L. maumeensis</i>									
<i>L. udekemianus</i>									
<i>Potamothrix moldaviensis</i>									
<i>P. vejdoskyi</i>									
Naididae									
<i>Nais</i> sp.									
<i>Naidium</i> sp.									
<i>Pristina</i> sp.									
<i>Stylaria</i> sp.									
<i>Uncinaxis uncinata</i> sp.									
ARTHROPODA									
Isopoda									
<i>Asellus</i> sp.									
Amphipoda									
<i>Gammarus fasciatus</i>									
<i>Hyalella azteca</i>									
Ephemeroptera									
<i>Caenis</i> sp.									
Trichoptera									
<i>Athripsodes</i> sp.									
<i>Oecetis</i> sp.									
<i>Polycentropus</i> sp.									

Notes:

1. Sample collection date: 6-27-73 and 7-2-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-2 CONT.
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
JUNE and JULY, 1973

57

BENTHOS SPECIES	Sta. 19	Sta. 20							
ARTHROPODA (Cont.)									
Limnephilidae									
Chironomidae									
Chironominae									
<i>Chironomus</i> (<i>Chironomus</i>) sp.									
<i>C.</i> (<i>Cryptochironomus</i>) sp.									
<i>Polypedilum</i> sp.									
<i>Pseudochironomus</i> sp.									
<i>Tanytarsus</i> sp.									
Tanypodinae									
<i>Coelotanypus</i> sp.									
<i>Procladius</i> sp.									
Orthocladiinae									
<i>Cricotopus</i> sp.									
<i>Psectrocladius</i> sp.									
MOLLUSCA									
Gastropoda									
<i>Amnicola</i> sp.									
<i>Bulimus</i> sp.									
<i>Gyraulus</i> sp.									
<i>Physa</i> sp.									
<i>Pleurocera-Goniobasis</i> sp.									
<i>Valvata</i> sp.									
Pelecypoda									
Unionidae									
<i>Amblema plicata</i>									
<i>Lampsilis ventricosa</i>									
<i>L. radiata</i>									
<i>Leptodea fragilis</i>									
<i>Ligumia recta</i>									
<i>Potamilus alatus</i>									
<i>Quadrula pustulosa</i>									
Sphaeriidae									
<i>Pisidium</i> sp.									
<i>Sphaerium</i> sp.									
Total	0	0							

Notes:

1. Sample collection date: 6-27-73 and 7-2-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
JULY and AUGUST, 1973

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BENTHOS SAMPLES	Sta. 1	Sta. 2	Sta. 3	Sta. 4	Sta. 5	Sta. 6	Sta. 7	Sta. 8	Sta. 9
COELENTERATA									
<i>Hydra</i> sp.									
PLATYHELMINTHES									
Planariidae									
ANNELIDA									
Hirudinea									
<i>Glossiphonia complanata</i>									
<i>Helobdella stagnalis</i>	18								
<i>Helobdella elongata</i>									
Oligochaeta, Immatures	18		1104	1177			2860	489	344
Tubificidae									
<i>Branchiura sowerbyi</i>			18	72			72		
<i>Limnodrilus cervix</i>			36	18					
<i>L. claparedae</i>									
<i>L. claparedae-cervix</i>									
<i>L. hoffmeisteri</i>									
<i>L. maximeensis</i>									
<i>L. udekemianus</i>									
<i>Potamothrix moldaviensis</i>			127	54			543		36
<i>P. vejchovskyi</i>			18	18			18		
Naididae									
<i>Nais</i> sp.									
<i>Naidium</i> sp.									
<i>Pristina</i> sp.									
<i>Stylaria</i> sp.									
<i>Uncinaxis uncinata</i> sp.									
ARTHROPODA									
Isopoda									
<i>Asellus</i> sp.									
Amphipoda									
<i>Gammarus fasciatus</i>						18			
<i>Hyalella azteca</i>									
Ephemeroptera									
<i>Caenis</i> sp.									
Trichoptera									
<i>Athripsodes</i> sp.									
<i>Oecetis</i> sp.									
<i>Polycentropus</i> sp.									

Notes:

1. Sample collection date: 7-25-73 and 8-1-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-3 CONT.
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
JULY and AUGUST, 1973

19

BENTHOS SPECIES	Sta. 1	Sta. 2	Sta. 3	Sta. 4	Sta. 5	Sta. 6	Sta. 7	Sta. 8	Sta. 9
ARTHROPODA (Cont.)									
Limnephilidae									
Chironomidae									
Chironominae									
<i>Chironomus (Chironomus) sp.</i>			127	54			4453	72	525
<i>C. (Cryptochironomus) sp.</i>									
<i>Polypedilum sp.</i>						18		18	
<i>Pseudochironomus sp.</i>									
<i>Tanytarsus sp.</i>				54					18
Tanypodinae									
<i>Coelotanypus sp.</i>									
<i>Procladius sp.</i>			18	36			36		
Orthoclaadiinae									
<i>Cricotopus sp.</i>									
<i>Psectrocladius sp.</i>									
MOLLUSCA									
Gastropoda									
<i>Amnicola sp.</i>									
<i>Bulimus sp.</i>									
<i>Gyraulus sp.</i>									
<i>Physa sp.</i>									
<i>Pleurocera-Goniobasis sp.</i>									
<i>Valvata sp.</i>									
Pelecypoda									
Unionidae									
<i>Amblema plicata</i>									
<i>Lampsilis ventricosa</i>									
<i>L. radiata</i>								18	
<i>Leptodea fragilis</i>									
<i>Ligumia recta</i>									
<i>Potamilus alatus</i>									
<i>Quadrula pustulosa</i>									
Sphaeriidae									
<i>Pisidium sp.</i>									
<i>Sphaerium sp.</i>				18					
Total	36	0	1447	1519	0	36	8000	597	923

Notes:

1. Sample collection date: 7-25-73 and 8-1-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
JULY and AUGUST, 1973

BENTHOS SAMPLES	Sta. 10	Sta. 11	Sta. 12	Sta. 13	Sta. 14	Sta. 15	Sta. 16	Sta. 17	Sta. 18
COELENTERATA									
<i>Hydra</i> sp.									
PLATYHELMINTHES									
Planariidae									
ANNELIDA									
Hirudinea									
<i>Glossiphonia complanata</i>									
<i>Helobdella stagnalis</i>									
<i>Helobdella elongata</i>									
Oligochaeta, Immatures			308	163	579	109	36	91	652
Tubificidae									
<i>Branchiura sowerbyi</i>					54				
<i>Limnodrilus cervix</i>					36				
<i>L. claparedeanus</i>			18		36				18
<i>L. claparedeanus-cervix</i>									
<i>L. hoffmeisteri</i>			18		18				18
<i>L. maumeensis</i>									
<i>L. udekemianus</i>									
<i>Potamothrix moldaviensis</i>			109	18		72		72	109
<i>P. vejdoskyi</i>									18
Naididae									
<i>Nais</i> sp.									
<i>Naidium</i> sp.									
<i>Pristina</i> sp.									
<i>Stylaria</i> sp.									
<i>Uncinaiis uncinata</i> sp.									
ARTHROPODA									
Isopoda									
<i>Asellus</i> sp.									
Amphipoda									
<i>Gammarus fasciatus</i>		36							
<i>Hyalella azteca</i>									
Ephemeroptera									
<i>Caenis</i> sp.									
Trichoptera									
<i>Athripsodes</i> sp.									
<i>Decetis</i> sp.									
<i>Polycentropus</i> sp.									

Notes:

1. Sample collection date: 7-25-73 and 8-1-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-3 CONT.
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
JULY and AUGUST, 1973

BENTHOS SPECIES	Sta. 10	Sta. 11	Sta. 12	Sta. 13	Sta. 14	Sta. 15	Sta. 16	Sta. 17	Sta. 18
ARTHROPODA (Cont.)									
Limnephilidae									
Chironomidae									
Chironominae									
<i>Chironomus (Chironomus) sp.</i>			91		36				72
<i>C. (Cryptochironomus) sp.</i>			36					18	
<i>Polypedilum sp.</i>									
<i>Pseudochironomus sp.</i>									
<i>Tanytarsus sp.</i>									
Tanypodinae									
<i>Coelotanypus sp.</i>									
<i>Procladius sp.</i>					18	18			
Orthocladiinae									
<i>Cricotopus sp.</i>									
<i>Psectrocladius sp.</i>									
MOLLUSCA									
Gastropoda									
<i>Amnicola sp.</i>									
<i>Bulinus sp.</i>									
<i>Gyraxulus sp.</i>									
<i>Physa sp.</i>									
<i>Pleurocera-Goniobasis sp.</i>									
<i>Valvata sp.</i>									
Pelecypoda									
Unionidae									
<i>Amblema plicata</i>									
<i>Lampsilis ventricosa</i>									
<i>L. radiata</i>									
<i>Leptodea fragilis</i>									
<i>Ligumia recta</i>									
<i>Potamilus alatus</i>									
<i>Quadrula pustulosa</i>									
Sphaeriidae									
<i>Pisidium sp.</i>									
<i>Sphaerium sp.</i>									
Total		36	580	181	777	199	36	182	887

Notes:

1. Sample collection date: 7-25-73 and 8-1-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-3 CONT.
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
JULY and AUGUST, 1973

12

BENTHOS SAMPLES	Sta. 19	Sta. 20							
COELENTERATA									
<i>Hydra</i> sp.									
PLATYHELMINTHES									
Planariidae									
ANNELIDA									
Hirudinea									
<i>Glossiphonia complanata</i>									
<i>Helobdella stagnalis</i>									
<i>Helobdella elongata</i>									
Oligochaeta, Immatures									
Tubificidae									
<i>Branchiura sowerbyi</i>									
<i>Limnodrilus cervix</i>									
<i>L. claparedeanus</i>									
<i>L. claparedeanus-cervix</i>									
<i>L. hoffmeisteri</i>	18								
<i>L. mameensis</i>									
<i>L. udekemianus</i>									
<i>Potamotheirus moldaviensis</i>									
<i>P. vejdoskyi</i>									
Naididae									
<i>Nais</i> sp.									
<i>Naidium</i> sp.									
<i>Pristina</i> sp.									
<i>Stylaria</i> sp.									
<i>Uncinaria uncinata</i> sp.									
ARTHROPODA									
Isopoda									
<i>Asellus</i> sp.									
Amphipoda									
<i>Cammarus fasciatus</i>									
<i>Hyalella azteca</i>									
Ephemeroptera									
<i>Caenis</i> sp.									
Trichoptera									
<i>Athripsodes</i> sp.									
<i>Oecetis</i> sp.									
<i>Polycentropus</i> sp.									

Notes:

1. Sample collection date: 7-25-73 and 8-1-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
JULY and AUGUST, 1973

BENTHOS SPECIES	Sta. 19	Sta. 20							
ARTHROPODA (Cont.)									
Limnephilidae									
Chironomidae									
Chironominae									
<i>Chironomus (Chironomus)</i> sp.									
<i>C. (Cryptochironomus)</i> sp.									
<i>Polypedilum</i> sp.									
<i>Pseudochironomus</i> sp.									
<i>Tanytarsus</i> sp.									
Tanypodinae									
<i>Coelotanypus</i> sp.									
<i>Procladius</i> sp.									
Orthocladiinae									
<i>Cricotopus</i> sp.									
<i>Psectrocladius</i> sp.									
MOLLUSCA									
Gastropoda									
<i>Amnicola</i> sp.									
<i>Bulimus</i> sp.									
<i>Gyraulus</i> sp.									
<i>Physa</i> sp.									
<i>Pleurocera-Goniobasis</i> sp.									
<i>Valvata</i> sp.									
Pelecypoda									
Unionidae									
<i>Amblema plicata</i>									
<i>Lampsilis ventricosa</i>									
<i>L. radiata</i>									
<i>Leptodea fragilis</i>									
<i>Ligumia recta</i>									
<i>Potamilus alatus</i>									
<i>Quadrula pustulosa</i>									
Sphaeriidae									
<i>Pisidium</i> sp.									
<i>Sphaerium</i> sp.									
Total	18	0							

Notes:

1. Sample collection date: 7-25-73 and 8-1-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-4
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
AUGUST, 1973

14

BENTHOS SAMPLES	Sta. 1	Sta. 2	Sta. 3	Sta. 4	Sta. 5	Sta. 6	Sta. 7	Sta. 8	Sta. 9
COELENTERATA									
<i>Hydra</i> sp.									
PLATYHELMINTHES									
Planariidae									
ANNELIDA									
Hirudinea									
<i>Glossiphonia complanata</i>									
<i>Helobdella stagnalis</i>									
<i>Helobdella elongata</i>									
Oligochaeta, Immatures		127		1629				18	1520
Tubificidae									
<i>Branchiura sowerbyi</i>		18		18					
<i>Limnodrilus cervix</i>		18		18					
<i>L. claparedeanus</i>									
<i>L. claparedeanus-cervix</i>									
<i>L. hoffmeisteri</i>									
<i>L. maumensis</i>									
<i>L. udekemianus</i>									
<i>Potamothrix moldaviensis</i>				36					18
<i>P. vejdoskyi</i>									
Naididae									
<i>Nais</i> sp.									
<i>Naidium</i> sp.									
<i>Pristina</i> sp.				18					
<i>Stylaria</i> sp.									
<i>Uncinaxis uncinata</i> sp.									
ARTHROPODA									
Isopoda									
<i>Asellus</i> sp.									
Amphipoda									
<i>Gammarus fasciatus</i>					54				
<i>Hyalolella asteca</i>									
Ephemeroptera									
<i>Coenis</i> sp.									
Trichoptera									
<i>Athripsodes</i> sp.									
<i>Oecetis</i> sp.									
<i>Polycentropus</i> sp.									

Notes:

1. Sample collection date: 8-23-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-4 CONT.
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
AUGUST, 1973

BENTHOS SPECIES	Sta. 1	Sta. 2	Sta. 3	Sta. 4	Sta. 5	Sta. 6	Sta. 7	Sta. 8	Sta. 9
ARTHROPODA (Cont.)									
Limnephilidae									
Chironomidae									
Chironominae									
<i>Chironomus</i> (<i>Chironomus</i>) sp.		72		145		18			181
<i>C.</i> (<i>Cryptochironomus</i>) sp.									
<i>Polypedilum</i> sp.									
<i>Pseudochironomus</i> sp.									
<i>Tanytarsus</i> sp.				778					489
<i>Glyptotendipes</i> sp.					18				
Tanypodinae									
<i>Coelotanypus</i> sp.					18				54
<i>Procladius</i> sp.		18							18
Orthocladiinae									
<i>Cricotopus</i> sp.									
<i>Psectrocladius</i> sp.									
MOLLUSCA									
Gastropoda									
<i>Amnicola</i> sp.									
<i>Bulimus</i> sp.									
<i>Gyrailus</i> sp.									
<i>Physa</i> sp.									
<i>Pleurocera-Goniobasis</i> sp.									
<i>Valvata</i> sp.									
Pelecypoda									
Unionidae									
<i>Amblema plicata</i>									
<i>Lampsilis ventricosa</i>									
<i>L. radiata</i>									
<i>Leptodea fragilis</i>									
<i>Ligumia recta</i>									
<i>Potamilus alatus</i>									
<i>Quadrula pustulosa</i>									
Sphaeriidae									
<i>Pisidium</i> sp.									
<i>Sphaerium</i> sp.									
Total		253		2643	91	18		18	2280

Notes:

1. Sample collection date: 8-23-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
AUGUST, 1973

BENTHOS SAMPLES	Sta. 10	Sta. 11	Sta. 12	Sta. 13	Sta. 14	Sta. 15	Sta. 16	Sta. 17	Sta. 18
COELENTERATA									
<i>Hydra</i> sp.									
PLATYHELMINTHES									
Planariidae									
ANNELIDA									
Hirudinea									
<i>Glossiphonia complanata</i>									
<i>Helobdella stagnalis</i>									
<i>Helobdella elongata</i>									
Oligochaeta, Immatures	181	199		326			36		
Tubificidae									
<i>Branchiura sowerbyi</i>									
<i>Limnodrilus cervix</i>									
<i>L. claparedeanus</i>				18					
<i>L. claparedeanus-cervix</i>									
<i>L. hoffmeisteri</i>									
<i>L. maumeensis</i>									
<i>L. udekemianus</i>									
<i>Potamothrix moldaviensis</i>		18					18		
<i>P. vejdoskyi</i>									
Naididae									
<i>Nais</i> sp.									
<i>Naidium</i> sp.									
<i>Pristina</i> sp.									
<i>Stylaria</i> sp.									
<i>Uncinaxis uncinata</i> sp.									
ARTHROPODA									
Isopoda									
<i>Aseillus</i> sp.									
Amphipoda									
<i>Gammarus fasciatus</i>		18							
<i>Hyalella asteca</i>									
Ephemeroptera									
<i>Caenis</i> sp.									
Trichoptera									
<i>Athripsodes</i> sp.									
<i>Oecetis</i> sp.									
<i>Polycentropus</i> sp.									

Notes:

1. Sample collection date: 8-23-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-4 CONT.
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
AUGUST, 1973

BENTHOS SPECIES	Sta. 10	Sta. 11	Sta. 12	Sta. 13	Sta. 14	Sta. 15	Sta. 16	Sta. 17	Sta. 18
ARTHROPODA (Cont.)									
Limnephilidae									
Chironomidae									
Chironominae									
<i>Chironomus (Chironomus) sp.</i>	18			163			18		
<i>C. (Cryptochironomus) sp.</i>		36							
<i>Polypedilum sp.</i>	54	18							
<i>Pseudochironomus sp.</i>									
<i>Tanytarsus sp.</i>									
Tanypodinae									
<i>Coelotanypus sp.</i>									
<i>Procladius sp.</i>									
Orthoclaadiinae									
<i>Cricotopus sp.</i>									
<i>Psectrocladius sp.</i>									
MOLLUSCA									
Gastropoda									
<i>Amnicola sp.</i>									
<i>Bulimus sp.</i>									
<i>Gyraulus sp.</i>									
<i>Physa sp.</i>									
<i>Pleurocera-Goniobasis sp.</i>									
<i>Valvata sp.</i>									
Pelecypoda									
Unionidae									
<i>Amblema plicata</i>									
<i>Lampsilis ventricosa</i>									
<i>L. radiata</i>									
<i>Leptodea fragilis</i>									
<i>Ligumia recta</i>									
<i>Potamilus alatus</i>									
<i>Quadrula pustulosa</i>									
Sphaeriidae									
<i>Pisidium sp.</i>									
<i>Sphaerium sp.</i>									
Total	253	289		507			72		

Notes:

1. Sample collection date: 8-23-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-4 CONT.
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
AUGUST, 1973

BENTHOS SAMPLES	Sta. 19	Sta. 20							
COELENTERATA									
<i>Hydra</i> sp.									
PLATYHELMINTHES									
Planariidae									
ANNELIDA									
Hirudinea									
<i>Glossiphonia complanata</i>									
<i>Helobdella stagnalis</i>									
<i>Helobdella elongata</i>									
Oligochaeta, Immatures									
Tubificidae									
<i>Branchiura sowerbyi</i>									
<i>Limnodrilus cervix</i>									
<i>L. claparedeanus</i>									
<i>L. claparedeanus-cervix</i>									
<i>L. hoffmeisteri</i>									
<i>L. maumeensis</i>									
<i>L. udekemianus</i>									
<i>Potamothrix moldaviensis</i>									
<i>P. vej dovskyi</i>									
Naididae									
<i>Nais</i> sp.									
<i>Ulidium</i> sp.									
<i>Pristina</i> sp.									
<i>Stylaria</i> sp.									
<i>Uncinaxis uncinata</i> sp.									
ARTHROPODA									
Isopoda									
<i>Asellus</i> sp.									
Amphipoda									
<i>Gammarus fasciatus</i>									
<i>Hyaella azteca</i>									
Ephemeroptera									
<i>Caenis</i> sp.									
Trichoptera									
<i>Athripsodes</i> sp.									
<i>Deceit</i> sp.									
<i>Polycentropus</i> sp.									

Notes:

1. Sample collection date: 8-23-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-4 CONT.
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
AUGUST, 1973

BENTHOS SPECIES	Sta. 19	Sta. 20							
ARTHROPODA (Cont.)									
Limnephilidae									
Chironomidae									
Chironominae									
<i>Chironomus</i> (<i>Chironomus</i>) sp.									
<i>C.</i> (<i>Cryptochironomus</i>) sp.									
<i>Polypedilum</i> sp.									
<i>Pseudochironomus</i> sp.									
<i>Tanytarsus</i> sp.									
Tanypodinae									
<i>Coelotanypus</i> sp.									
<i>Procladius</i> sp.									
Orthoclaadiinae									
<i>Cricotopus</i> sp.									
<i>Psectrocladius</i> sp.									
MOLLUSCA									
Gastropoda									
<i>Amnicola</i> sp.									
<i>Bulimus</i> sp.									
<i>Gyraulus</i> sp.									
<i>Physa</i> sp.									
<i>Pleurocera-Goniobasis</i> sp.									
<i>Valvata</i> sp.									
Pelecypoda									
Unionidae									
<i>Ambleria plicata</i>									
<i>Lampsilis ventricosa</i>									
<i>L. radiata</i>									
<i>Leptodea fragilis</i>									
<i>Liguria recta</i>									
<i>Potamilus alatus</i>									
<i>Quadrula pustulosa</i>									
Sphaeriidae									
<i>Fissidium</i> sp.									
<i>Sphaerium</i> sp.									
Total									

Notes:

1. Sample collection date: 8-23-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
SEPTEMBER, 1973

BENTHOS SAMPLES	Sta. 1	Sta. 2	Sta. 3	Sta. 4	Sta. 5	Sta. 6	Sta. 7	Sta. 8	Sta. 9
COELENTERATA									
<i>Hydra</i> sp.	18								
PLATYHELMINTHES									
Planariidae									
ANNELIDA									
Hirudinea									
<i>Glossiphonia complanata</i>									
<i>Helobdella stagnalis</i>									
<i>Helobdella elongata</i>									
Oligochaeta, Immatures	145	199	1611	2082		91	91	3005	1937
Tubificidae									
<i>Branchiura sowerbyi</i>				91		18			
<i>Limnodrilus cervix</i>			72	72					181
<i>L. claparedeanus</i>			72	18					91
<i>L. claparedeanus-cervix</i>									
<i>L. hoffmeisteri</i>			36						54
<i>L. mauveensis</i>			72						
<i>L. udekemianus</i>									
<i>Potamothrix moldaviensis</i>			54	18					
<i>P. vejovskyi</i>									
Naididae									
<i>Nais</i> sp.									
<i>Naidium</i> sp.									
<i>Pristina</i> sp.									
<i>Stylaria</i> sp.									
<i>Uncinaxis uncinata</i> sp.									
ARTHROPODA									
Isopoda									
<i>Asellus</i> sp.									
Amphipoda									
<i>Gammarus fasciatus</i>					36				
<i>Hyaella anteca</i>									
Ephemeroptera									
<i>Caenis</i> sp.									
Trichoptera									
<i>Athripsodes</i> sp.									
<i>Oecetis</i> sp.									
<i>Polycentropus</i> sp.									

Notes:

1. Sample collection date: 9-19-73 and 9-26-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-5 CONT.
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
SEPTEMBER, 1973

BENTHOS SPECIES	Sta. 1	Sta. 2	Sta. 3	Sta. 4	Sta. 5	Sta. 6	Sta. 7	Sta. 8	Sta. 9
ARTHROPODA (Cont.)									
Limnephilidae									
Chironomidae									
Chironominae									
<i>Chironomus (Chironomus) sp.</i>	18	54	199	235				36	
<i>C. (Cryptochironomus) sp.</i>						36		18	
<i>Polypedilum sp.</i>	18								
<i>Pseudochironomus sp.</i>	18								
<i>Tanytarsus sp.</i>	36	72	36					36	54
<i>C. (Dicroptendipes)</i>						18			
Tanypodinae									
<i>Coelotanypus sp.</i>			18						
<i>Procladius sp.</i>			18	18					
Orthoclaadiinae									
<i>Cricotopus sp.</i>									
<i>Psectrocladius sp.</i>									
MOLLUSCA									
Gastropoda									
<i>Amnicola sp.</i>									
<i>Bulimus sp.</i>									
<i>Gyrcaulus sp.</i>									
<i>Physa sp.</i>									
<i>Pleurocera-Goniobasis sp.</i>									
<i>Valvata sp.</i>									
Pelecypoda									
Unionidae									
<i>Amblema plicata</i>									
<i>Lampsilis ventricosa</i>									
<i>L. radiata</i>									
<i>Leptodea fragilis</i>									
<i>Ligumia recta</i>									
<i>Potamilius alatus</i>									
<i>Quadrula pustulosa</i>									
Sphaeriidae									
<i>Pisidium sp.</i>									
<i>Sphaerium sp.</i>			18				18		
Total	253	325	2206	2534	36	163	109	3095	2317

Notes:

1. Sample collection date: 9-19-73 and 9-26-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-5 CONT.
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
SEPTEMBER, 1973

BENTHOS SAMPLES	Sta. 10	Sta. 11	Sta. 12	Sta. 13	Sta. 14	Sta. 15	Sta. 16	Sta. 17	Sta. 18
COELENTERATA									
<i>Hydra</i> sp.							18		
PLATYHELMINTHES									
Planariidae									
ANNELIDA									
Hirudinea									
<i>Glossiphonia complanata</i>									
<i>Helobdella stagnalis</i>									
<i>Helobdella elongata</i>									
Oligochaeta, Immatures	181		27	2299	706	3964	706	597	2625
Tubificidae									
<i>Branchiura sowerbyi</i>						91			
<i>Limnodrilus cervix</i>	18			127	36	235		18	235
<i>L. claparedeanus</i>									91
<i>L. claparedeanus-cervix</i>									91
<i>L. hoffmeisteri</i>				272	18	181			181
<i>L. maumeensis</i>				54		54			36
<i>L. udekemianus</i>									
<i>Potamotheirus moldaviensis</i>							91	109	
<i>P. vejdoskyi</i>									
Naididae									
<i>Nais</i> sp.									
<i>Naidium</i> sp.									
<i>Pristina</i> sp.									
<i>Stylaria</i> sp.									
<i>Uncinaria uncinata</i> sp.									
ARTHROPODA									
Isopoda									
<i>Asellus</i> sp.									
Amphipoda									
<i>Gammarus fasciatus</i>		18							
<i>Hyaella azteca</i>									
Ephemeroptera									
<i>Caenis</i> sp.									
Trichoptera									
<i>Athripsodes</i> sp.									
<i>Oecetis</i> sp.									
<i>Polycentropus</i> sp.									

Notes:

1. Sample collection date: 9-19-73 and 9-26-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-5 CONT.
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
SEPTEMBER, 1973

BENTHOS SPECIES	Sta. 10	Sta. 11	Sta. 12	Sta. 13	Sta. 14	Sta. 15	Sta. 16	Sta. 17	Sta. 18
ARTHROPODA (Cont.)									
Limnephilidae									
Chironomidae									
Chironominae									
<i>Chironomus</i> (<i>Chironomus</i>) sp.		18		72		109		109	54
<i>C. (Cryptochironomus)</i> sp.				18		18			36
<i>Polypedilum</i> sp.									
<i>Pseudochironomus</i> sp.									
<i>Tanytarsus</i> sp.						18			
Tanypodinae									
<i>Coelotanypus</i> sp.				54		127		18	18
<i>Procladius</i> sp.	18					18		54	54
Orthoclaadiinae									
<i>Cricotopus</i> sp.									
<i>Psectrocladius</i> sp.									
MOLLUSCA									
Gastropoda									
<i>Amnicola</i> sp.									
<i>Bulimus</i> sp.									
<i>Gyraulus</i> sp.									
<i>Physa</i> sp.									
<i>Pleurocera-Goniobasis</i> sp.									
<i>Valvata</i> sp.									
Pelecypoda									
Unionidae									
<i>Amblema plicata</i>									
<i>Lampsilis ventricosa</i>									
<i>L. radiata</i>									
<i>Leptodea fragilis</i>									
<i>Ligumia recta</i>									
<i>Potamilus alatus</i>									
<i>Quadrula pustulosa</i>									
Sphaeriidae									
<i>Pisidium</i> sp.									
<i>Sphaerium</i> sp.		18				18			
Total	217	54	27	2897	760	4833	815	905	3421

Notes:

1. Sample collection date: 9-19-73 and 9-26-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
SEPTEMBER, 1973

BENTHOS SAMPLES	Sta. 19	Sta. 20							
COELENTERATA									
<i>Hydra</i> sp.									
PLATYHELMINTHES									
Planariidae									
ANNELIDA									
Hirudinea									
<i>Glossiphonia complanata</i>									
<i>Helobdella stagnalis</i>									
<i>Helobdella elongata</i>									
Oligochaeta, Immatures									
Tubificidae									
<i>Branchiura sowerbyi</i>									
<i>Limnodrilus cervix</i>	18								
<i>L. claparedeanus</i>									
<i>L. claparedeanus-cervix</i>									
<i>L. hoffmeisteri</i>									
<i>L. maumeensis</i>									
<i>L. udekemianus</i>									
<i>Potamothrix moldaviensis</i>									
<i>P. vejdoskyi</i>									
Naididae									
<i>Nais</i> sp.									
<i>Naidium</i> sp.									
<i>Pristina</i> sp.									
<i>Stylaria</i> sp.									
<i>Uncinaxis uncinata</i> sp.									
ARTHROPODA									
Isopoda									
<i>Asellus</i> sp.									
Amphipoda									
<i>Gammarus fasciatus</i>									
<i>Hyalella azteca</i>									
Ephemeroptera									
<i>Caenis</i> sp.									
Trichoptera									
<i>Athripsodes</i> sp.									
<i>Oecetis</i> sp.									
<i>Polycentropus</i> sp.									

Notes:

1. Sample collection date: 9-19-73 and 9-26-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-5 CONT.
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
SEPTEMBER, 1973

BENTHOS SPECIES	Sta. 19	Sta. 20							
ARTHROPODA (Cont.)									
Limnephilidae									
Chironomidae									
Chironominae									
<i>Chironomus</i> (<i>Chironomus</i>) sp.	18								
<i>C. (Cryptochironomus)</i> sp.	18								
<i>Polypedilum</i> sp.									
<i>Pseudochironomus</i> sp.									
<i>Tanytarsus</i> sp.									
Tanypodinae									
<i>Coelotanypus</i> sp.	36								
<i>Procladius</i> sp.	36								
Orthocladiinae									
<i>Gricotopus</i> sp.									
<i>Psectrocladius</i> sp.									
MOLLUSCA									
Gastropoda									
<i>Amnicola</i> sp.									
<i>Bulimus</i> sp.									
<i>Gyraulus</i> sp.									
<i>Physa</i> sp.									
<i>Pleurocera-Goniobasis</i> sp.									
<i>Valvata</i> sp.									
Pelecypoda									
Unionidae									
<i>Amblema plicata</i>									
<i>Lampsilis ventricosa</i>									
<i>L. radiata</i>									
<i>Leptodea fragilis</i>									
<i>Ligumia recta</i>									
<i>Potamilus alatus</i>									
<i>Quadrula pustulosa</i>									
Sphaeriidae									
<i>Pisidium</i> sp.									
<i>Sphaerium</i> sp.									
Total	198	0							

Notes:

1. Sample collection date: 9-19-73 and 9-26-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
NOVEMBER, 1973

BENTHOS SAMPLES	Sta. 1	Sta. 1	Sta. 1	Sta. 2	Sta. 3	Sta. 4	Sta. 4	Sta. 4	Sta. 5
COELENTERATA									
<i>Hydra</i> sp.					36	72	18		
PLATYHELMINTHES									
Planariidae									
ANNELIDA									
Hirudinea									
<i>Glossiphonia complanata</i>									
<i>Helobdella stagnalis</i>									
<i>Helobdella elongata</i>									
Oligochaeta, Immatures	869	344	1466	253	2425	5321	2769	3421	
Tubificidae									
<i>Branchiura scwerbyi</i>	36				18	217	72	235	
<i>Limnodrilus cervix</i>						18		54	
<i>L. claparedeanus</i>								18	
<i>L. claparedeanus-cervix</i>									
<i>L. hoffmeisteri</i>						18			
<i>L. marumeensis</i>									
<i>L. udekemianus</i>									
<i>Potamothenix moldaviensis</i>	36							36	
<i>P. vejnovskyi</i>								18	
Naididae									
<i>Nais</i> sp.									
<i>Naidium</i> sp.									
<i>Pristina</i> sp.									
<i>Stylaria</i> sp.									
<i>Uncinaxis uncinata</i> sp.									
ARTHROPODA									
Isopoda									
<i>Asellus</i> sp.									
Amphipoda									
<i>Gammarus fasciatus</i>									
<i>Hyalella azteca</i>									
Ephemeroptera									
<i>Caenis</i> sp.									
Trichoptera									
<i>Athripsodes</i> sp.									
<i>Oecetis</i> sp.									
<i>Polycentropus</i> sp.									

Notes:

1. Sample collection date: 11-2-73 and 11-7-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-6 CONT.
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
NOVEMBER, 1973

BENTHOS SPECIES	Sta. 1	Sta. 1	Sta. 1	Sta. 2	Sta. 3	Sta. 4	Sta. 4	Sta. 4	Sta. 5
ARTHROPODA (Cont.)									
Limnephilidae									
Chironomidae									
Chironominae									
<i>Chironomus</i> (<i>Chironomus</i>) sp.			36		54	127	18	181	
<i>C. (Cryptochironomus)</i> sp.		36	36						
<i>Polypedilum</i> sp.						18			
<i>Pseudochironomus</i> sp.									
<i>Tanytarsus</i> sp.		18	36	36	18	19566	18353	18589	
Tanypodinae									
<i>Coelotanypus</i> sp.									
<i>Procladius</i> sp.							36	127	
Orthoclaadiinae									
<i>Cricotopus</i> sp.									
<i>Psectrocladius</i> sp.									
MOLLUSCA									
Gastropoda									
<i>Amnicola</i> sp.									
<i>Bulimus</i> sp.									
<i>Gyraulus</i> sp.									
<i>Physa</i> sp.									
<i>Pleurocera-Goniobasis</i> sp.									
<i>Valvata</i> sp.									
Pelecypoda									
Unionidae									
<i>Amblema plicata</i>									
<i>Lampsilis ventricosa</i>									
<i>L. radiata</i>									
<i>Leptodea fragilis</i>									
<i>Ligumia recta</i>									
<i>Potamilus alatus</i>									
<i>Quadrula pustulosa</i>									
Sphaeriidae									
<i>Pisidium</i> sp.									
<i>Sphaerium</i> sp.				18					
Total	941	398	1574	307	2552	25357	21266	22379	0

Notes:

1. Sample collection date: 11-2-73 and 11-7-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
NOVEMBER, 1973

BENTHOS SAMPLES	Sta. 6	Sta. 7	Sta. 8	Sta. 8	Sta. 8	Sta. 9	Sta. 10	Sta. 11	Sta. 12
COELENTERATA									
<i>Hydra</i> sp.							18		18
PLATYHELMINTHES									
Planariidae									
ANNELIDA									
Hirudinea									
<i>Glossiphonia complanata</i>									
<i>Helobdella stagnalis</i>									
<i>Helobdella elongata</i>									
Oligochaeta, Immatures	72	507	2769	181	1484	2045	54	109	2968
Tubificidae									
<i>Branchiura sowerbyi</i>		36	18						
<i>Limnodrilus cervix</i>			54						109
<i>L. claparedeanus</i>			36						
<i>L. claparedeanus-cervix</i>									
<i>L. hoffmeisteri</i>			36			18		18	18
<i>L. maumeensis</i>									
<i>L. udekemianus</i>									
<i>Potamothrrix moldaviensis</i>			91		72				54
<i>P. vejdoskyi</i>									
Naididae									
<i>Nais</i> sp.									
<i>Naidium</i> sp.									
<i>Pristina</i> sp.									
<i>Stylaria</i> sp.									
<i>Uncinaiis uncinata</i> sp.									
ARTHROPODA									
Isopoda									
<i>Asellus</i> sp.									
Amphipoda									
<i>Gammarus fasciatus</i>	54			18				36	
<i>Hyalella azteca</i>									
Ephemeroptera									
<i>Caenis</i> sp.									
Trichoptera									
<i>Athripsodes</i> sp.									
<i>Oecetis</i> sp.									
<i>Polycentropus</i> sp.									

Notes:

1. Sample collection date: 11-2-73 and 11-7-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-6 CONT.
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
NOVEMBER, 1973

BENTHOS SPECIES	Sta. 6	Sta. 7	Sta. 8	Sta. 8	Sta. 8	Sta. 9	Sta. 10	Sta. 11	Sta. 12
ARTHROPODA (Cont.)									
Limnephilidae									
Chironomidae									
Chironominae									
<i>Chironomus (Chironomus) sp.</i>			18			18	109	127	
<i>C. (Cryptochironomus) sp.</i>						18		18	18
<i>Polypedilum sp.</i>									
<i>Pseudochironomus sp.</i>								18	
<i>Tanytarsus sp.</i>		54	217	18	326	21503			
Tanypodinae									
<i>Coelotanypus sp.</i>									
<i>Procladius sp.</i>									
Orthoclaadiinae									
<i>Cricotopus sp.</i>									
<i>Psectrocladius sp.</i>									
MOLLUSCA									
Gastropoda									
<i>Amnicola sp.</i>									
<i>Bulimus sp.</i>									
<i>Gyraulus sp.</i>									
<i>Physa sp.</i>									
<i>Pleurocera-Goniobasis sp.</i>									
<i>Valvata sp.</i>									
Pelecypoda									
Unionidae									
<i>Amblema plicata</i>									
<i>Lampsilis ventricosa</i>									
<i>L. radiata</i>									
<i>Leptodea fragilis</i>					18				
<i>Ligumia recta</i>									
<i>Potamilius alatus</i>									
<i>Quadrula pustulosa</i>									
Sphaeriidae									
<i>Pisidium sp.</i>									
<i>Sphaerium sp.</i>									
Total	126	597	3240	217	1901	23602	181	326	3185

Notes:

1. Sample collection date: 11-2-73 and 11-7-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-6 CONT.
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
NOVEMBER, 1973

BENTHOS SAMPLES	Sta. 12	Sta. 13	Sta. 14	Sta. 15	Sta. 16	Sta. 17	Sta. 18	Sta. 19	Sta. 20
COELENTERATA									
<i>Hydra</i> sp.	18	18							
PLATYHELMINTHES									
Planariidae									
ANNELIDA									
Hirudinea									
<i>Glossiphonia complanata</i>									
<i>Helobdella stagnalis</i>									
<i>Helobdella elongata</i>									
Oligochaeta, Immatures	326	1249	2226	2534	434	615	2172	507	
Tubificidae									
<i>Branchyura sowerbyi</i>				36			36		
<i>Limnodrilus cervix</i>			235	54			163		
<i>L. claparedeanus</i>			109			18	18		
<i>L. claparedeanus-cervix</i>									
<i>L. hoffmeisteri</i>			181	18		18	127		
<i>L. mauveensis</i>									
<i>L. udekemianus</i>									
<i>Potamothrix moldaviensis</i>			54			18	91		
<i>P. vejdoskyi</i>									
Naididae									
<i>Nais</i> sp.									
<i>Naidium</i> sp.									
<i>Fristina</i> sp.									
<i>Stylaria</i> sp.									
<i>Uncinaxis uncinata</i> sp.									
ARTHROPODA									
Isopoda									
<i>Asellus</i> sp.									
Amphipoda									
<i>Gammarus fasciatus</i>							36		
<i>Hyaella azteca</i>									
Ephemeroptera									
<i>Caenis</i> sp.									
Trichoptera									
<i>Athripsodes</i> sp.									
<i>Oecetis</i> sp.									
<i>Polycentropus</i> sp.									

Notes:

1. Sample collection date: 11-2-73 and 11-7-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-6 CONT.
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
NOVEMBER, 1973

BENTHOS SPECIES	Sta. 12	Sta. 13	Sta. 14	Sta. 15	Sta. 16	Sta. 17	Sta. 18	Sta. 19	Sta. 20
ARTHROPODA (Cont.)									
Limnephilidae									
Chironomidae									
Chironominae									
<i>Chironomus (Chironomus) sp.</i>			344	416			380		18
<i>C. (Cryptochironomus) sp.</i>				36					
<i>Polypedilum sp.</i>				18					
<i>Pseudochironomus sp.</i>									
<i>Tanytarsus sp.</i>		18		18					
Tanypodinae									
<i>Coelotanypus sp.</i>				127			36		
<i>Procladius sp.</i>				36					
Orthoclaadiinae									
<i>Cricotopus sp.</i>									
<i>Psectrocladius sp.</i>			72						
MOLLUSCA									
Gastropoda									
<i>Amnicola sp.</i>									
<i>Bulimus sp.</i>									
<i>Gyraulus sp.</i>									
<i>Physa sp.</i>									
<i>Pleurocera-Goniobasis sp.</i>									
<i>Valvata sp.</i>									
Pelecypoda									
Unionidae									
<i>Amblema plicata</i>									
<i>Lampsilis ventricosa</i>									
<i>L. radiata</i>									
<i>Leptodea fragilis</i>									
<i>Ligumia recta</i>									
<i>Potamilus alatus</i>									
<i>Quadrula pustulosa</i>									
Sphaeriidae									
<i>Pisidium sp.</i>									
<i>Sphaerium sp.</i>									
Total	344	1285	3221	3293	434	669	3059	507	18

Notes:

1. Sample collection date: 11-2-73 and 11-7-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-7
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
DECEMBER, 1973

BENTHOS SAMPLES	Sta. 1	Sta. 2	Sta. 3	Sta. 4	Sta. 5	Sta. 6	Sta. 7	Sta. 8	Sta. 9
COELENTERATA									
<i>Hydra</i> sp.							362		18
PLATYHELMINTHES									
Planariidae									
ANNELIDA									
Hirudinea									
<i>Glossiphonia complanata</i>									
<i>Helobdella stagnalis</i>									
<i>Helobdella elongata</i>									
Oligochaeta, Immatures	127	235	2190	2118	145		579	253	2172
Tubificidae									
<i>Branchiura sowerbyi</i>				109					18
<i>Limnodrilus cervix</i>								36	
<i>L. claparedeanus</i>				18					
<i>L. claparedeanus-cervix</i>									
<i>L. hoffmeisteri</i>				18				18	
<i>L. maumeensis</i>									
<i>L. udekemianus</i>									
<i>Potamothenis moldaviensis</i>				18					
<i>P. vejdoskyi</i>									
Naididae									
<i>Nais</i> sp.									
<i>Naidium</i> sp.									
<i>Pristina</i> sp.									
<i>Stylaria</i> sp.									
<i>Uncinaria uncinata</i> sp.									
ARTHROPODA									
Isopoda									
<i>Asellus</i> sp.									
Amphipoda									
<i>Gammarus fasciatus</i>									
<i>Hyalella azteca</i>									
Ephemeroptera									
<i>Caenis</i> sp.									
Trichoptera									
<i>Athripsodes</i> sp.									
<i>Oecetis</i> sp.									
<i>Polycentropus</i> sp.									

Notes:

1. Sample collection date: 12-4-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-7 CONT.
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
DECEMBER, 1973

BENTHOS SPECIES	Sta. 1	Sta. 2	Sta. 3	Sta. 4	Sta. 5	Sta. 6	Sta. 7	Sta. 8	Sta. 9
ARTHROPODA (Cont.)									
Limnephilidae									
Chironomidae									
Chironominae									
<i>Chironomus (Chironomus) sp.</i>			18	36	54				18
<i>C. (Cryptochironomus) sp.</i>			18	18	72				
<i>Polypedilum sp.</i>									
<i>Pseudochironomus sp.</i>					36				
<i>Tanytarsus sp.</i>	36	54	416	91	127			18	380
Tanypodinae									
<i>Coelotanypus sp.</i>									
<i>Procladius sp.</i>			18	18					
Orthoclaadiinae									
<i>Cricotopus sp.</i>									
<i>Psectrocladius sp.</i>									
MOLLUSCA									
Gastropoda									
<i>Amnicola sp.</i>									
<i>Bulimus sp.</i>									
<i>Gyraxius sp.</i>									
<i>Physa sp.</i>									
<i>Pleurocera-Goniobasis sp.</i>									
<i>Valvata sp.</i>									
Pelecypoda									
Unionidae									
<i>Ambiema plicata</i>									
<i>Lampsilis ventricosa</i>									
<i>L. radiata</i>									
<i>Leptodea fragilis</i>									
<i>Ligumia recta</i>									
<i>Potamilus alatus</i>									
<i>Quadrula pustulosa</i>									
Sphaeriidae									
<i>Pisidium sp.</i>									
<i>Sphaerium sp.</i>					18				
Total	163	289	2660	2444	452	0	941	325	2603

Notes:

1. Sample collection date: 12-4-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
DECEMBER, 1973

BENTHOS SAMPLES	Sta. 10	Sta. 11	Sta. 12	Sta. 13	Sta. 14	Sta. 15	Sta. 16	Sta. 17	Sta. 18
COELENTERATA									
<i>Hydra</i> sp.					163				
PLATYHELMINTHES									
Planariidae									
ANNELIDA									
Hirudinea									
<i>Glossiphonia complanata</i>									
<i>Helobdella stagnalis</i>									
<i>Helobdella elongata</i>									
Oligochaeta, Immatures	959	2552	2860	2244	1285	4272	362		5231
Tubificidae									
<i>Branchiura sowerbyi</i>	36		36						217
<i>Limnodrilus cervix</i>		344	127			18			308
<i>L. claparedeanus</i>		326	54						91
<i>L. claparedeanus-cervix</i>									
<i>L. hoffmeisteri</i>		181	163	199					272
<i>L. mauveensis</i>									
<i>L. udekemianus</i>									
<i>Potamothrix moldaviensis</i>	18	163	36						
<i>P. vejdoskyi</i>									
Naididae									
<i>Nais</i> sp.									
<i>Naidium</i> sp.									
<i>Pristina</i> sp.									
<i>Stylaria</i> sp.									
<i>Uncinaxis uncinata</i> sp.									
ARTHROPODA									
Isopoda									
<i>Asellus</i> sp.									
Amphipoda									
<i>Cammarus fasciatus</i>									
<i>Hyalella azteca</i>									
Ephemeroptera									
<i>Caenis</i> sp.									
Trichoptera									
<i>Athripsodes</i> sp.									
<i>Oecetis</i> sp.									
<i>Polycentropus</i> sp.									

Notes:

1. Sample collection date: 12-4-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-7 CONT.
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
DECEMBER, 1973

BENTHOS SPECIES	Sta. 10	Sta. 11	Sta. 12	Sta. 13	Sta. 14	Sta. 15	Sta. 16	Sta. 17	Sta. 18
ARTHROPODA (Cont.)									
Limnephilidae									
Chironomidae									
Chironominae									
<i>Chironomus (Chironomus) sp.</i>	597	869	253						543
<i>C. (Cryptochironomus) sp.</i>	54		18	18	18	18			36
<i>Polypedilum sp.</i>									
<i>Pseudochironomus sp.</i>									
<i>Tanytarsus sp.</i>				36	54	36			
Tanypodinae									
<i>Coelotanypus sp.</i>			18						36
<i>Procladius sp.</i>	18	54	109						127
Orthocladiinae									
<i>Cricotopus sp.</i>									
<i>Psectrocladius sp.</i>									
MOLLUSCA									
Gastropoda									
<i>Ammicola sp.</i>									
<i>Bulimus sp.</i>									
<i>Gyraulus sp.</i>									
<i>Physa sp.</i>									
<i>Pleurocera-Goniobasis sp.</i>									
<i>Valvata sp.</i>									
Pelecypoda									
Unionidae									
<i>Ambelma plicata</i>									
<i>Lampsilis ventricosa</i>									
<i>L. radiata</i>									
<i>Leptodea fragilis</i>									
<i>Ligumia recta</i>									
<i>Potamilus alatus</i>									
<i>Quadrula pustulosa</i>									
Sphaeriidae									
<i>Pisidium sp.</i>									
<i>Sphaerium sp.</i>									
Total	1682	4489	3674	2497	1520	4344	362	0	6861

Notes:

1. Sample collection date: 12-4-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
DECEMBER, 1973

BENTHOS SAMPLES	Sta. 19	Sta. 20							
COELENTERATA									
<i>Hydra</i> sp.									
PLATYHELMINTHES									
Planariidae									
ANNELIDA									
Hirudinea									
<i>Glossiphonia complanata</i>									
<i>Helobdella stagnalis</i>									
<i>Helobdella elongata</i>									
Oligochaeta, Immatures	235	181							
Tubificidae									
<i>Branchiura sowerbyi</i>									
<i>Limnodrilus cervix</i>									
<i>L. claparedianus</i>									
<i>L. claparedianus-cervix</i>									
<i>L. hoffmeisteri</i>	36								
<i>L. maumeensis</i>									
<i>L. udekemianus</i>									
<i>Potamotheirus moldaviensis</i>									
<i>P. vejovskyi</i>									
Naididae									
<i>Nais</i> sp.									
<i>Naidium</i> sp.									
<i>Pristina</i> sp.									
<i>Stylaria</i> sp.									
<i>Uncinaria uncinata</i> sp.									
ARTHROPODA									
Isopoda									
<i>Asellus</i> sp.									
Amphipoda									
<i>Gammarus fasciatus</i>									
<i>Hyalella azteca</i>									
Ephemeroptera									
<i>Caenis</i> sp.									
Trichoptera									
<i>Athripsodes</i> sp.									
<i>Oecetis</i> sp.									
<i>Polucentropus</i> sp.									

Notes:

1. Sample collection date: 12-4-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

TABLE A-7 CONT.
ANALYSIS OF BENTHOS POPULATIONS AT LOCUST POINT
DECEMBER, 1973

97

BENTHOS SPECIES	Sta. 19	Sta. 20							
ARTHROPODA (Cont.)									
Limnephilidae									
Chironomidae									
Chironominae									
<i>Chironomus (Chironomus) sp.</i>									
<i>C. (Cryptochironomus) sp.</i>									
<i>Polypedilum sp.</i>									
<i>Pseudochironomus sp.</i>									
<i>Tanytarsus sp.</i>									
Tanypodinae									
<i>Coelotanypus sp.</i>									
<i>Procladius sp.</i>									
Orthocladiinae									
<i>Cricotopus sp.</i>									
<i>Psectrocladius sp.</i>									
MOLLUSCA									
Gastropoda									
<i>Amnicola sp.</i>									
<i>Bulimus sp.</i>									
<i>Gyraulus sp.</i>									
<i>Physa sp.</i>									
<i>Pleurocera-Goniobasis sp.</i>									
<i>Valvata sp.</i>									
Pelecypoda									
Unionidae									
<i>Amblema plicata</i>									
<i>Lampsilis ventricosa</i>									
<i>L. radiata</i>									
<i>Leptodea fragilis</i>									
<i>Ligumia recta</i>									
<i>Potamilus alatus</i>									
<i>Quadrula pustulosa</i>									
Sphaeriidae									
<i>Pisidium sp.</i>									
<i>Sphaerium sp.</i>									
Total	271	181							

Notes:

1. Sample collection date: 12-4-73
2. Collection method: Ponar Grab
3. Reported as number of individuals per square meter

APPENDIX B

ZOOPLANKTON POPULATIONS AT LOCUST POINT

1973

TABLE B-1
ANALYSIS OF ZOOPLANKTON POPULATIONS AT LOCUST POINT
MAY, 1973

ZOOPLANKTON SPECIES	Sta. 1	Sta. 3	Sta. 5	Sta. 7	Sta. 8	Sta. 9	Sta. 10	Sta. 12	Sta. 13
ROTIFERA									
<i>Asplanchna giroidi</i>									
<i>A. priodonta</i>		2.9	33.9	11.2			10.1		11.2
<i>Brachionus angularis</i>	10.1	10.3	16.3				6.2		10.5
<i>B. calyciflorus</i>	18.8	14.3	51.5	8.1			4.3		8.4
<i>B. havanaensis</i>									
<i>B. (Planorbis) patulus</i>									
<i>B. quadridentatus</i>									
<i>Chromosaster ovalis</i>									
<i>Filinia terminalis</i>	79.4	17.7	40.7	19.3			57.8		23.8
<i>Kellicottia longispina</i>	5.8	6.3	8.1	3.7			4.3		4.9
<i>Keratella cochlearis</i>	225.3	34.2	192.4	168.8			238.3		169.2
<i>K. quadrata</i>	82.3	94.1	276.4	145.2			176.2		234.2
<i>Lecane luna</i>									
<i>L. lunaris</i>									
<i>Levadella patella</i>							2.9		
<i>Mytilina</i> sp.									
<i>Notholca squamula</i>									
<i>Pleosoma</i> sp.									
<i>Polyarthra</i> sp.	62.1	39.9	40.7	33.6			51.9		54.7
<i>Trichocerca cylindrica</i>									
<i>T. multicornis</i>									
Unidentifiable Rotifer									
COPEPODA									
Calanoid copepods									
<i>Diatomus</i> sp.		7.9		3.1			6.2		4.9
<i>Eurytemora</i> sp.		1.1	1.4						
Immatures	4.3	2.9		2.5			2.9		2.1
Cyclopoid copepods									
<i>Cyclops</i> sp.	14.4	17.7	20.3	23.1			27.4		16.8
<i>Mesocyclops</i> sp.									
Immatures	46.2	19.4	36.6	23.6			43.3		34.9
Nauplius	210.8	169.9	363.1	217.4			194.9		273.3
CLADOCERA									
<i>Bosmina</i> sp.	2.9	2.9	8.1	0.6			5.8		2.1
<i>Ceriodaphnia</i> sp.									
<i>Chydorus</i> sp.									
<i>Daphnia galeata</i>									
<i>D. pulex</i>									
<i>D. retrocurva</i>	4.3	1.7		1.9			12.9		1.4
<i>Diaphanosoma</i> sp.									
<i>Holopedium gibberum</i>									
<i>Leptodora kindtii</i>	1.4		1.4						
Total	768.1	443.2	1090.9	662.1			845.4		852.4

Notes:

1. Sample collection date: 5-25-73
2. Collection method: Vertical Tow, Wisconsin Net
3. Reported as number of zooplankters per liter

TABLE B-1 CONT.
ANALYSIS OF ZOOPLANKTON POPULATIONS AT LOCUST POINT
MAY, 1973

ZOOPLANKTON SPECIES	Sta. 17	Sta. 18	Sta. 19	Sta. 20	Mean # /Sta. Sampled				
ROTIFERA									
<i>Asplanchna girardi</i>									
<i>A. priodonta</i>		18.1			12.5				
<i>Brachionus angularis</i>		8.7			8.9				
<i>B. calyciflorus</i>		27.4			19.0				
<i>B. havanaensis</i>									
<i>B. (Plantias) patulus</i>									
<i>B. quadridentatus</i>									
<i>Chromogaster ovalis</i>									
<i>Filinia terminalis</i>		22.4			37.3				
<i>Kellicottia longispina</i>		2.2			5.0				
<i>Keratella cochlearis</i>		158.8			169.6				
<i>K. quadrata</i>		249.8			179.7				
<i>Lecane luna</i>									
<i>L. lunaris</i>									
<i>Lepadella patella</i>					0.4				
<i>Muttilina</i> sp.									
<i>Notholca squamula</i>									
<i>Pleosoma</i> sp.									
<i>Polarthra</i> sp.		42.6			46.5				
<i>Trichocerca clyindrica</i>									
<i>T. multicornis</i>									
Unidentifiable Rotifer									
COPEPODA									
Calanoid copepods									
<i>Diaptomus</i> sp.		8.7			4.4				
<i>Eurytemora</i> sp.					0.4				
Immatures					2.1				
Cyclopoid copepods									
<i>Cyclops</i> sp.		28.2			21.1				
<i>Mesocyclops</i> sp.									
Immatures		41.2			34.9				
Nauplius		264.9			242.0				
CLADOCERA									
<i>Bosmina</i> sp.		2.2			3.5				
<i>Ceriodaphnia</i> sp.									
<i>Chydorus</i> sp.									
<i>Daphnia galeata</i>									
<i>D. pulex</i>									
<i>D. retrocurva</i>		1.4			3.4				
<i>Diaphanosoma</i> sp.									
<i>Holopedium gibberum</i>									
<i>Leptodora kindtii</i>		1.4			0.6				
Total		878.0							

Notes:

1. Sample collection date: 5-25-73
2. Collection method: Vertical Tow, Wisconsin Net
3. Reported as number of zooplankters per liter

TABLE B-2
ANALYSIS OF ZOOPLANKTON POPULATIONS AT LOCUST POINT
JUNE, 1973

ZOOPLANKTON SPECIES	Sta. 1	Sta. 3	Sta. 5	Sta. 7	Sta. 8	Sta. 9	Sta. 10	Sta. 12	Sta. 13
ROTIFERA									
<i>Asplanchna giroidi</i>									
<i>A. priodonta</i>							0.9		
<i>Brachionus angularis</i>		0.6	7.8	4.8			25.6		8.1
<i>B. calyciflorus</i>							1.9		
<i>B. havanaensis</i>							2.9		
<i>B. (Platytas) patulus</i>									
<i>B. quadridentatus</i>			1.7						
<i>Chromogaster ovalis</i>									
<i>Filinia terminalis</i>							9.9		0.6
<i>Kellicottia longispina</i>	1.9								
<i>Keratella cochlearis</i>	3.9	3.1	7.8				31.5		2.5
<i>K. quadrata</i>									1.9
<i>Lecane luna</i>									
<i>L. lunaris</i>							0.9		
<i>Lepadella patella</i>									
<i>Mytilina</i> sp.									
<i>Notholca squamula</i>									
<i>Pleosoma</i> sp.									
<i>Polyarthra</i> sp.	39.4	74.9	137.9	92.9			168.4		74.1
<i>Trichocerca cylindrica</i>									
<i>T. multierinis</i>									
Unidentifiable Rotifer									
<i>Conochiloides</i> sp.									
COPEPODA									
Calanoid copepods									
<i>Diaptomus</i> sp.	37.5	13.6	32.1	8.9			68.9		34.9
<i>Eurytemora</i> sp.									
Immatures	13.8	3.1		1.6			2.9		
Cyclopoid copepods									
<i>Cyclops</i> sp.	431.7	269.3	367.6	139.9			198.9		140.8
<i>Mesocyclops</i> sp.									
Immatures	25.6	22.3	59.8	26.4			68.9		33.0
Nauplius	295.6	456.2	423.9	166.3			328.9		234.9
CLADOCERA									
<i>Bosmina</i> sp.	17.7	13.6	104.9	31.2			58.1		34.3
<i>Ceriodaphnia</i> sp.									
<i>Chydorus</i> sp.									
<i>Daphnia galeata</i>			0.9	0.5					
<i>D. pulex</i>				1.6			0.9		1.3
<i>D. retrocurva</i>	110.4	60.0	209.8	107.7			163.5		54.2
<i>Diaphanosoma</i> sp.									
<i>Holopedium gibberum</i>									
<i>Leptodora kindtii</i>									
Total	977.5	916.7	1354.2	581.8			1133.0		620.6

Notes:

1. Sample collection date: 6-27-73
2. Collection method: Vertical Tow, Wisconsin Net
3. Reported as number of zooplankters per liter

TABLE B-2 CONT.
ANALYSIS OF ZOOPLANKTON POPULATIONS AT LOCUST POINT
JUNE, 1973

ZOOPLANKTON SPECIES	Sta. 17	Sta. 18	Sta. 19	Sta. 20	Mean # /Sta. Sampled				
ROTIFERA									
<i>Asplanchna giroidi</i>									
<i>A. priodonta</i>					0.1				
<i>Brachionus angularis</i>		6.9	1.9	2.4	6.5				
<i>B. calyciflorus</i>					0.2				
<i>B. havanaensis</i>					0.3				
<i>B. (Platias) patulus</i>									
<i>B. quadridentatus</i>					0.2				
<i>Chromogaster ovalis</i>									
<i>Filinia terminalis</i>		1.9	39.2	0.9	5.8				
<i>Kellicottia longispina</i>		1.9			0.4				
<i>Keratella cochlearis</i>		2.5	0.9	1.4	6.0				
<i>K. quadrata</i>					0.2				
<i>Lecane luna</i>									
<i>L. lunaris</i>					0.1				
<i>Lepadella patella</i>									
<i>Mytilina</i> sp.									
<i>Notholea squamula</i>									
<i>Pleosoma</i> sp.									
<i>Polyarthra</i> sp.		94.1	39.4	40.9	84.7				
<i>Trichocerca cylindrica</i>									
<i>T. multierinis</i>									
Unidentifiable Rotifer									
<i>Conochiloides</i> sp.									
COPEPODA									
Calanoid copepods									
<i>Diaptomus</i> sp.		47.0	12.9	12.5	29.8				
<i>Eurytemora</i> sp.									
Immatures		0.6			2.4				
Cyclopoid copepods									
<i>Cyclops</i> sp.		269.9	78.9	80.3	219.7				
<i>Mesocyclops</i> sp.									
Immatures		42.1	12.0	13.5	33.7				
Nauplius		263.1	269.4	266.5	300.5				
CLADOCERA									
<i>Bosmina</i> sp.		27.9	18.8	20.2	36.3				
<i>Ceriodaphnia</i> sp.									
<i>Chydorus</i> sp.									
<i>Daphnia galeata</i>					0.2				
<i>D. pulex</i>		1.2			0.6				
<i>D. retrocurva</i>		70.6	39.4	37.0	94.7				
<i>Diaphanosoma</i> sp.									
<i>Holopedium gibberum</i>									
<i>Leptodora kindtii</i>									
Total		829.7	512.8	475.6					

Notes:

1. Sample collection date: 6-27-73
2. Collection method: Vertical Tow, Wisconsin Net
3. Reported as number of zooplankters per liter

TABLE B-3
ANALYSIS OF ZOOPLANKTON POPULATIONS AT LOCUST POINT
JULY, 1973

ZOOPLANKTON SPECIES	Sta. 1	Sta. 3	Sta. 5	Sta. 7	Sta. 8	Sta. 9	Sta. 10	Sta. 12	Sta. 13
ROTIFERA									
<i>Asplanchna giroidi</i>									
<i>A. priodonta</i>	15.8	4.7	8.3	7.8		12.0	3.3		2.7
<i>Brachionus angularis</i>	12.9	2.0	7.2	3.9		3.5	1.7		1.4
<i>B. calyciflorus</i>	1.4								
<i>B. havanaensis</i>			5.5			0.5	1.7		
<i>B. (Platytas) patulus</i>									
<i>B. quadridentatus</i>									
<i>Chromogaster ovalis</i>									
<i>Filinia terminalis</i>			1.0	1.7		3.5			
<i>Kellicottia longispina</i>						.5			
<i>Keratella cochlearis</i>	30.3	22.3	45.8	37.7		8.0	26.7		8.1
<i>K. quadrata</i>									
<i>Lecane luna</i>			0.7						
<i>L. lunaris</i>									
<i>Lepadella patella</i>									
<i>Mytilina</i> sp.									
<i>Notholca squamula</i>									
<i>Pleosoma</i> sp.									
<i>Polarthra</i> sp.	547.3	155.7	70.2	228.7		145.0	321.5		104.3
<i>Trichocerca cylindrica</i>			2.4	0.6					
<i>T. multiserinis</i>									
Unidentifiable Rotifer									
<i>Conochiloides</i> sp.	14.4	6.1	3.1	7.8		5.5	6.7		7.5
COPEPODA									
Calanoid copepods									
<i>Diaptomus</i> sp.		10.8	57.8	3.9		7.0	6.7		21.7
<i>Eurytemora</i> sp.									
Immatures	1.4	2.0	1.4			7.0	1.7		5.4
Cyclopoid copepods									
<i>Cyclops</i> sp.	46.2	115.8	218.1	51.6		47.0	138.3		221.4
<i>Mesocyclops</i> sp.		0.7	1.0	0.6		1.0			
Immatures	50.5	12.9	8.3	7.8		26.0	34.9		15.6
Nauplius	651.2	161.1	133.5	300.3		223.5	289.9		121.2
CLADOCERA									
<i>Bosmina</i> sp.	12.9	9.5	9.6	13.9		10.0	19.9		15.6
<i>Ceriodaphnia</i> sp.									
<i>Chydorus</i> sp.									
<i>Daphnia galeata</i>	1.4	1.4		4.9		2.0			
<i>D. pulex</i>							1.7		
<i>D. retrocurva</i>	41.9	41.9		49.4		61.0	23.3		7.5
<i>Diaphanosoma</i> sp.									
<i>Holopedium gibberum</i>	1.4								0.7
<i>Leptodora kindtii</i>		0.7		0.6					
Total	1429.0	547.6	573.9	621.2		563.0	878.0		533.1

Notes:

1. Sample collection date: 7-25-73
2. Collection method: Vertical Tow, Wisconsin Net
3. Reported as number of zooplankters per liter

TABLE B-3 CONT.
ANALYSIS OF ZOOPLANKTON POPULATIONS AT LOCUST POINT
JULY, 1973

ZOOPLANKTON SPECIES	Sta. 17	Sta. 18	Sta. 19	Sta. 20	Mean # /Sta. Sampled				
ROTIFERA									
<i>Asplanchna girodi</i>									
<i>A. priodonta</i>	6.9			0.9	5.7				
<i>Brachionus angularis</i>			0.4	2.5	3.6				
<i>B. calyciflorus</i>					.1				
<i>B. havanaensis</i>					4.3				
<i>B. (Plautias) patulus</i>									
<i>B. quadridentatus</i>									
<i>Chromogaster ovalis</i>									
<i>Filinia terminalis</i>					0.6				
<i>Kellicottia longispina</i>					0.1				
<i>Keratella cochlearis</i>	25.1		0.4		20.4				
<i>K. quadrata</i>									
<i>Lecane luna</i>									
<i>L. lunaris</i>									
<i>Lepadella patella</i>									
<i>Muttilina</i> sp.									
<i>Notholca squamula</i>									
<i>Plecosoma</i> sp.									
<i>Polycartha</i> sp.	76.3		77.7	88.6	181.5				
<i>Trichocerca cylindrica</i>					0.3				
<i>T. multiseriis</i>									
Unidentifiable Rotifer									
<i>Conochiloides</i> sp.			0.4	.9	5.2				
COPEPODA									
Calanoid copepods									
<i>Diaptomus</i> sp.	4.3		21.2	14.7	14.8				
<i>Eurytemora</i> sp.									
Immatures	8.7		1.2	2.9	3.2				
Cyclopoid copepods									
<i>Cyclops</i> sp.	276.6		242.1	118.1	147.5				
<i>Mesocyclops</i> sp.	0.9				0.4				
Immatures	19.9		54.4	13.3	24.4				
Nauplius	137.9		190.2	116.1	232.5				
CLADOCERA									
<i>Bosmina</i> sp.	13.0		0.4	3.9	10.9				
<i>Ceriodaphnia</i> sp.			0.4						
<i>Chydorus</i> sp.									
<i>Daphnia galeata</i>	1.7			1.9	1.3				
<i>D. pulex</i>				0.9	0.3				
<i>D. retrocurva</i>	15.6		4.9	7.9	25.3				
<i>Diaphanosoma</i> sp.									
<i>Holopedium gibberum</i>			0.4	0.4	0.3				
<i>Leptodora kindtii</i>					0.1				
Total	586.9		599.0	373.0					

Notes:

1. Sample collection date: 7-25-73
2. Collection method: Vertical Tow, Wisconsin Net
3. Reported as number of zooplankters per liter

TABLE B-4
ANALYSIS OF ZOOPLANKTON POPULATIONS AT LOCUST POINT
AUGUST, 1973

ZOOPLANKTON SPECIES	Sta. 1	Sta. 3	Sta. 5	Sta. 7	Sta. 8	Sta. 9	Sta. 10	Sta. 12	Sta. 13
ROTIFERA									
<i>Asplanchna giroidi</i>		0.6							
<i>A. priodonta</i>	37.2	8.0	30.3	7.4	0.5		45.8	22.6	15.7
<i>Brachionus angularis</i>	69.7	30.3	41.6	11.1	12.1	7.6	69.9	29.2	15.7
<i>B. calyciflorus</i>	1.5	1.2	0.9			0.5			
<i>B. havanaensis</i>	15.5	1.9	8.7	4.9			24.1	11.3	5.2
<i>B. (Platias) patulus</i>								0.9	
<i>B. quadridentatus</i>									
<i>Chromogaster ovalis</i>									
<i>Filinia terminalis</i>	6.2	0.6	5.2	1.2		0.5	7.2	5.7	4.6
<i>Kellicottia longispina</i>									
<i>Keratella cochlearis</i>	15.5	18.6	17.3	15.5	5.3	4.5	36.1	20.7	11.2
<i>K. quadrata</i>									
<i>Lecane luna</i>									
<i>L. lunaris</i>									
<i>Lepadella patella</i>									
<i>Mytilina</i> sp.									
<i>Notholca squamula</i>									
<i>Pleucoma</i> sp.									
<i>Polyanthra</i> sp.	320.6	98.4	100.6		31.2	30.2	240.9	227.9	57.1
<i>Trichocerca cylindrica</i>	18.6	4.3	5.2	1.9			19.3		
<i>T. multicornis</i>	9.3	4.9	1.7	3.1				7.5	2.6
Unidentifiable Rotifer									
<i>Conochiloides</i> sp.									
COPEPODA									
Calanoid copepods									
<i>Diaptomus</i> sp.		1.2	0.9	7.4	2.6	10.5		0.9	3.2
<i>Eurytemora</i> sp.									
Immatures		3.7	5.2	1.6	1.6	6.0		2.8	3.9
Cyclopoid copepods									
<i>Cyclops</i> sp.		14.9	6.1	14.9	33.2	131.0	2.4	3.8	5.9
<i>Mesocyclops</i> sp.			1.7						0.7
Immatures	12.4	22.3	11.3	21.0	20.6	20.2	14.5	21.6	20.3
Nauplius	179.7	103.4	141.3	79.9	48.0	59.4	211.9	104.6	78.1
CLADOCERA									
<i>Bosmina</i> sp.	18.6	38.4	13.0	27.2	25.3	39.8		22.6	24.3
<i>Ceriodaphnia</i> sp.									
<i>Chydorus</i> sp.				0.6	0.5	0.5			
<i>Daphnia galeata</i>				1.2		1.5		0.9	
<i>D. pulex</i>									
<i>D. retrocurva</i>	4.6	25.4	19.9	16.1	12.1	21.2	12.0	15.1	14.4
<i>Diaphanosoma</i> sp.									
<i>Holopedium gibberum</i>					1.1	2.0		0.9	0.7
<i>Leptodora kindtii</i>		1.9	2.6	2.5	1.1		2.4	0.9	2.6
Total	689.4	380.0	413.5	217.5	195.2	335.4	686.5	499.0	266.2

Notes:

1. Sample collection date: 8-23-73
2. Collection method: Vertical Tow, Wisconsin Net
3. Reported as number of zooplankters per liter

TABLE B-4 CONT.
ANALYSIS OF ZOOPLANKTON POPULATIONS AT LOCUST POINT
AUGUST, 1973

ZOOPLANKTON SPECIES	Sta. 17	Sta. 18	Sta. 19	Sta. 20	Mean # /Sta. Sampled				
ROTIFERA									
<i>Asplanchna giroidi</i>					.1				
<i>A. priodonta</i>	12.0		35.1	25.4	20.0				
<i>Brachionus angularis</i>	13.2		32.8	9.4	28.6				
<i>B. calyciflorus</i>				2.3	.5				
<i>B. havanaensis</i>			7.0	3.7	6.9				
<i>B. (Platyas) patulus</i>									
<i>B. quadridentatus</i>									
<i>Chromogaster ovalis</i>									
<i>Filinia terminalis</i>	1.2		14.6	5.3	4.4				
<i>Kellicottia longispina</i>									
<i>Keratella cochlearis</i>	10.8		24.6	6.1	15.5				
<i>K. quadrata</i>									
<i>Lecane luna</i>									
<i>L. lunaris</i>									
<i>Lepadella patella</i>									
<i>Mytilina</i> sp.									
<i>Notholca squamula</i>	1.2				.1				
<i>Pleosoma</i> sp.									
<i>Polyarthra</i> sp.	61.4		309.5	50.3	127.3				
<i>Trichocerca cylindrica</i>			7.0	3.7	5.0				
<i>T. multierinis</i>	9.6				3.2				
Unidentifiable Rotifer									
<i>Conochiloides</i> sp.			.6		.1				
COPEPODA									
Calanoid copepods									
<i>Diaptomus</i> sp.	10.8			10.7	4.0				
<i>Eurytemora</i> sp.									
Immatures			4.7	8.9	3.2				
Cyclopoid copepods									
<i>Cyclops</i> sp.	1.2			55.6	22.4				
<i>Mesocyclops</i> sp.				1.6	.3				
Immatures	34.9		2.9	35.9	19.8				
Nauplius	67.4		155.0	123.5	112.7				
CLADOCERA									
<i>Bosmina</i> sp.	37.3		2.3	7.4	21.4				
<i>Ceriodaphnia</i> sp.	2.4				.2				
<i>Chydorus</i> sp.									
<i>Daphnia galeata</i>	1.2			1.6	.4				
<i>D. pulex</i>									
<i>D. retrocurva</i>	22.9		.6	8.2	14.4				
<i>Diaphanosoma</i> sp.									
<i>Holopedium gibberum</i>	1.2			2.9	.7				
<i>Leptodora kindtii</i>			1.2		1.3				
Total	288.7		597.9	362.5					

Notes:

1. Sample collection date: 8-23-73.
2. Collection method: Vertical Tow, Wisconsin Net
3. Reported as number of zooplankters per liter

TABLE B-5
ANALYSIS OF ZOOPLANKTON POPULATIONS AT LOCUST POINT
SEPTEMBER, 1973

ZOOPLANKTON SPECIES	Sta. 1	Sta. 3	Sta. 5	Sta. 7	Sta. 8	Sta. 9	Sta. 10	Sta. 12	Sta. 13
ROTIFERA									
<i>Asplanchna giroidi</i>									
<i>A. priodonta</i>	5.9	2.5	23.3			0.9			2.2
<i>Brachionus angularis</i>	80.8	64.9	59.9	24.4	41.2	34.9	13.0	14.4	15.9
<i>B. calyciflorus</i>									
<i>B. havanaensis</i>	17.7	9.2	13.3	12.2	11.9	5.2	39.0	4.3	5.1
<i>B. (Platytas) patulus</i>					0.7	0.5			
<i>B. quadridentatus</i>		0.8	0.8						
<i>Chromaster ovalis</i>			3.3						
<i>Filinia terminalis</i>									
<i>Kellicottia longispina</i>									
<i>Keratella cochlearis</i>	171.5	23.3	56.6	24.4	20.3	9.4	41.2	49.8	66.4
<i>K. quadrata</i>						0.5			
<i>Lecane luna</i>			0.8						
<i>L. lunaris</i>									
<i>Lepadella patella</i>									
<i>Mytilina</i> sp.									
<i>Notholca squamula</i>									
<i>Pleosoma</i> sp.	1.9				0.7			0.7	
<i>Polarthra</i> sp.	484.9	265.7	159.1	166.5	150.3	124.3	179.9	111.2	144.4
<i>Trichocerca cylindrica</i>	11.8	2.5	4.9	7.4	7.7	2.4	6.5	1.4	6.5
<i>T. multierinis</i>	72.9	17.5	32.5	7.4	23.1	13.2	39.0	18.7	28.2
Unidentifiable Rotifer	7.9	70.8	42.5	46.0	60.8	38.2	15.2	15.2	37.5
<i>Conochiloides</i> sp.	17.7	9.9							
COPEPODA									
Calanoid copepods									
<i>Diaptomus</i> sp.		0.8	5.8	0.7	4.2	0.9	2.2	1.4	1.4
<i>Eurytemora</i> sp.									
Immatures		1.7				0.5		0.7	
Cyclopoid copepods									
<i>Cyclops</i> sp.	35.5	9.2	13.3	4.7	9.9	7.5	49.9	27.4	7.9
<i>Mesocyclops</i> sp.			1.7		2.1	1.4		2.9	
Immatures	41.4	25.8	43.3	6.8	4.9	11.3	13.0	2.2	6.5
Nauplius	303.5	168.3	178.3	113.1	125.1	84.3	147.4	88.1	114.8
CLADOCERA									
<i>Bosmina</i> sp.	61.1	35.8	44.1	59.6	53.8	44.7	26.0	43.3	43.3
<i>Ceriodaphnia</i> sp.		2.5		2.0		0.9			
<i>Chydorus</i> sp.	25.6	14.2	9.9	10.2	13.9	13.2	6.5	0.7	6.5
<i>Daphnia galeata</i>		1.7						20.9	
<i>D. pulex</i>									
<i>D. retrocurva</i>	29.6	14.2	16.8	28.4	32.2	16.0	15.2	4.3	34.7
<i>Diaphanosoma</i> sp.	1.9		0.8	0.7					
<i>Holopedium gibberum</i>					0.7	0.5		0.7	0.7
<i>Leptodora kindtii</i>	1.9	0.8	0.8						
Total	1373.5	742.1	711.8	514.5	563.5	410.7	594.0	408.3	522.0

Notes:

1. Sample collection date: 9-26-73
2. Collection method: Vertical Tow, Wisconsin Net
3. Reported as number of zooplankters per liter

TABLE B-5 CONT.
ANALYSIS OF ZOOPLANKTON POPULATIONS AT LOCUST POINT
SEPTEMBER, 1973

ZOOPLANKTON SPECIES	Sta. 17	Sta. 18	Sta. 19	Sta. 20	Mean # /Sta. Sampled				
ROTIFERA									
<i>Asplanchna giroidi</i>									
<i>A. priodonta</i>			3.8		3.2				
<i>Brachionus angularis</i>	13.4		14.1	13.7	32.6				
<i>B. calyciflorus</i>									
<i>B. havanaensis</i>	7.2		6.5	9.9	11.8				
<i>B. (Platytas) patulus</i>					0.1				
<i>B. quadridentatus</i>					0.1				
<i>Chromogaster ovalis</i>					0.3				
<i>Filinia terminalis</i>									
<i>Kellicottia longispina</i>									
<i>Keratella cochlearis</i>	55.7		7.0	2.5	44.0				
<i>K. quadrata</i>					0.0				
<i>Lecane luna</i>			0.5		0.1				
<i>L. lunaris</i>									
<i>Lepadella patella</i>									
<i>Mytilina</i> sp.									
<i>Notholea squamula</i>									
<i>Pleoscma</i> sp.					0.3				
<i>Polyarthra</i> sp.	121.8		25.5	3.3	161.4				
<i>Trichocerca cylindrica</i>	3.1		0.5		4.6				
<i>T. multicornis</i>	13.4		4.3	7.1	23.1				
Unidentifiable Rotifer	44.4		3.8	9.9	32.7				
<i>Conochiloides</i> sp.	2.1				2.5				
COPEPODA									
Calanoid copepods									
<i>Diaptomus</i> sp.	2.1		1.6	4.2	2.1				
<i>Eurytemora</i> sp.									
Immatures			1.6	1.2	0.5				
Cyclopoid copepods									
<i>Cyclops</i> sp.	10.3		5.4	26.2	17.3				
<i>Mesocyclops</i> sp.					0.7				
Immatures	5.2		11.4	17.5	15.8				
Nauplius	97.0		69.9	83.2	131.1				
CLADOCERA									
<i>Bosmina</i> sp.	38.2		18.9	73.6	45.2				
<i>Ceriodaphnia</i> sp.	1.0				0.5				
<i>Chydorus</i> sp.	6.2		3.3	3.7	9.5				
<i>Daphnia galeata</i>	17.5		0.5	1.2	3.5				
<i>D. pulex</i>									
<i>D. retrocurva</i>			3.3	12.1	17.2				
<i>Diaphanosoma</i> sp.					0.3				
<i>Holopedium gibberum</i>			1.6	0.8	0.4				
<i>Leptodora kindtii</i>					0.3				
Total	438.6		183.5	270.1					

Notes:

1. Sample collection date: 9-26-73
2. Collection method: Vertical Tow, Wisconsin Net
3. Reported as number of zooplankters per liter

TABLE B-6
ANALYSIS OF ZOOPLANKTON POPULATIONS AT LOCUST POINT
NOVEMBER, 1973

ZOOPLANKTON SPECIES	Sta. 17	Sta. 18	Sta. 19	Sta. 20	Mean # /Sta. Sampled				
ROTIFERA									
<i>Asplanchna giroidi</i>									
<i>A. priodonta</i>			1.9		1.6				
<i>Brachionus angularis</i>			0.6		0.1				
<i>B. calyciflorus</i>	4.3				2.4				
<i>B. havanensis</i>									
<i>B. (Plautias) patulus</i>									
<i>B. quadridentatus</i>									
<i>Chromogaster ovalis</i>									
<i>Filinia terminalis</i>									
<i>Kellicottia longispina</i>					0.1				
<i>Keratella cochlearis</i>	144.4		50.1	58.1	145.8				
<i>K. quadrata</i>	10.1		5.6	5.9	13.2				
<i>Lecane luna</i>									
<i>L. lunaris</i>									
<i>Lepadella patella</i>									
<i>Mytilina</i> sp.					0.2				
<i>Notholca squamula</i>									
<i>Pleosoma</i> sp.					0.2				
<i>Polarthra</i> sp.	53.4		3.1	2.9	88.8				
<i>Trichocerca cylindrica</i>					0.1				
<i>T. multierinis</i>	1.4		1.9		1.0				
Unidentifiable Rotifer	5.8		1.9		13.1				
<i>Conochiloides</i> sp.									
COPEPODA									
Calanoid copepods									
<i>Diaptomus</i> sp.					0.9				
<i>Eurytemora</i> sp.									
Immatures									
Cyclopoid copepods									
<i>Cyclops</i> sp.	1.4		1.2	2.9	2.1				
<i>Mesocyclops</i> sp.					0.3				
Immatures	4.3		3.7	8.9	7.8				
Nauplius	34.7		22.3	46.3	35.1				
CLADOCERA									
<i>Bosmina</i> sp.	14.4		18.6	50.2	28.9				
<i>Ceriodaphnia</i> sp.									
<i>Chydorus</i> sp.	11.6		3.1	3.9	7.7				
<i>Daphnia galeata</i>									
<i>D. pulex</i>									
<i>D. retrocurva</i>	1.4				0.4				
<i>Diaphanosoma</i> sp.									
<i>Holopedium gibberum</i>									
<i>Leptodora kindtii</i>									
Total	287.2		114.0	179.1					

Notes:

1. Sample collection date: 11-6-73
2. Collection method: Vertical Tow, Wisconsin Net
3. Reported as number of zooplankters per liter

TABLE B-6 CONT.
ANALYSIS OF ZOOPLANKTON POPULATIONS AT LOCUST POINT
NOVEMBER, 1973

ZOOPLANKTON SPECIES	Sta. 1	Sta. 3	Sta. 5	Sta. 7	Sta. 8	Sta. 9	Sta. 10	Sta. 12	Sta. 13
ROTIFERA									
<i>Asplanchna giroidi</i>									
<i>A. priodonta</i>	2.2	2.9	4.3			1.8			3.6
<i>Brachionus angularis</i>				0.7					
<i>B. calyciflorus</i>	8.7	1.4	2.2	1.4		6.0			
<i>B. havanaensis</i>									
<i>B. (Ploetias) patulus</i>									
<i>B. quadridentatus</i>									
<i>Chromogaster ovalis</i>									
<i>Filinia terminalis</i>									
<i>Kellicottia longispina</i>									0.7
<i>Keratella cochlearis</i>	197.3	106.9	143.1	132.8		101.1	370.7		153.1
<i>K. quadrata</i>	23.8	10.1	15.2	12.3		14.4	23.8		10.8
<i>Lecane luna</i>									
<i>L. lunaris</i>									
<i>Lepadella patella</i>									
<i>Mytilina</i> sp.			2.2						
<i>Notholca squamula</i>									
<i>Pleosoma</i> sp.		2.2							
<i>Polyarthra</i> sp.	117.1	65.7	86.7	80.1		57.2	342.0		79.4
<i>Trichocerca cylindrica</i>									0.7
<i>T. multicornis</i>	6.5					0.6			
Unidentifiable Rotifer	19.5	10.1	32.5	17.3		12.0	21.7		10.1
<i>Conochiloides</i> sp.									
COPEPODA									
Calanoid copepods									
<i>Diaptomus</i> sp.				0.7			8.5		
<i>Eurytemora</i> sp.									
Immatures									
Cyclopoid copepods									
<i>Cyclops</i> sp.		0.7				1.8	8.5		4.5
<i>Mesocyclops</i> sp.				0.7		0.6			1.4
Immatures	8.7	2.2	13.0	2.9		4.8	21.7		7.9
Nauplius	56.4	19.5	39.0	26.7		22.3	45.5		38.3
CLADOCERA									
<i>Bosmina</i> sp.	34.7	20.2	23.8	20.9		20.5	43.4		41.9
<i>Ceriodaphnia</i> sp.									
<i>Chydorus</i> sp.	10.8	4.3	6.5	4.3		3.6	16.9		12.3
<i>Daphnia galeata</i>									
<i>D. pulex</i>									
<i>D. retrocurva</i>		1.4							1.4
<i>Dianhanosoma</i> sp.									
<i>Holopedium gibberum</i>									
<i>Leptodora kindtii</i>									
Total	485.7	247.6	368.5	300.8		246.7	902.7		366.1

Notes:

1. Sample collection date: 11-6-73
2. Collection method: Vertical Tow, Wisconsin Net
3. Reported as number of zooplankters per liter

TABLE B-7
ANALYSIS OF ZOOPLANKTON POPULATIONS AT LOCUST POINT
DECEMBER, 1973

ZOOPLANKTON SPECIES	Sta. 1	Sta. 3	Sta. 5	Sta. 7	Sta. 8	Sta. 9	Sta. 10	Sta. 12	Sta. 13
ROTIFERA									
<i>Asplanchna giroidi</i>									
<i>A. priodonta</i>	13.0	1.7		7.2		8.9	8.1		6.9
<i>Brachionus angularis</i>							2.7		
<i>B. calyciflorus</i>	13.0	36.7	21.7	19.2		18.4	24.4		19.4
<i>B. havanaensis</i>									
<i>B. (Platyas) patulus</i>									
<i>B. quadridentatus</i>									
<i>Chromogaster ovalis</i>									
<i>Filinia terminalis</i>			1.8						
<i>Kellicottia longispina</i>	6.5	3.3	1.8	1.6		3.2			2.3
<i>Keratella cochlearis</i>	175.6	97.5	90.4	85.8		75.5	235.9		47.9
<i>K. quadrata</i>	13.0	17.0	12.6	10.4		8.9	24.4		17.8
<i>Lecane luna</i>									
<i>L. lunaris</i>									
<i>Lepadella patella</i>									
<i>Mytilina</i> sp.									
<i>Notholea squamula</i>									
<i>Pleosoma</i> sp.									
<i>Polyarthra</i> sp.	38.6	42.5	79.5	40.1		68.1	146.4		38.8
<i>Trichocerca cluindrica</i>									
<i>T. multierinis</i>									
Unidentifiable Rotifer	23.8	23.3	12.6	20.9		18.4	37.9		19.4
<i>Conochiloides</i> sp.									
COPEPODA									
Calanoid copepods									
<i>Diaptomus</i> sp.	2.2								
<i>Eurytemora</i> sp.									
Immatures									
Cyclopoid copepods									
<i>Cyclops</i> sp.									
<i>Mesocyclops</i> sp.									
Immatures	26.0	4.9	5.4	7.2		3.2	2.7		0.8
Nauplius	39.0	38.3	21.7	33.7		33.3	32.5		9.3
CLADOCERA									
<i>Bosmina</i> sp.	73.7	14.9	57.8	12.8		8.9	40.7		6.9
<i>Ceriodaphnia</i> sp.									
<i>Chydorus</i> sp.			1.8	1.6		1.6			
<i>Daphnia galeata</i>									
<i>D. pulex</i>									
<i>D. retrocurva</i>									
<i>Diaphanosoma</i> sp.									
<i>Holopedium gibberum</i>									
<i>Leptodora kindtii</i>									
Total	424.4	280.1	307.1	240.5		248.4	555.7		169.5

Notes:

1. Sample collection date: 12-4-73
2. Collection method: Vertical Tow, Wisconsin Net
3. Reported as number of zooplankters per liter

TABLE B-7 CONT.
ANALYSIS OF ZOOPLANKTON POPULATIONS AT LOCUST POINT
DECEMBER, 1973

ZOOPLANKTON SPECIES	Sta. 17	Sta. 18	Sta. 19	Sta. 20	Mean # /Sta. Sampled				
ROTIFERA									
<i>Asplanchna giroidi</i>									
<i>A. priodonta</i>	1.7		1.1	0.8	4.9				
<i>Brachionus angularis</i>					.3				
<i>B. calyciflorus</i>	23.3		15.4	6.3	19.8				
<i>B. havanaensis</i>									
<i>B. (Platias) patulus</i>									
<i>B. quadridentatus</i>									
<i>Chromosaster ovalis</i>									
<i>Filinia terminalis</i>					0.2				
<i>Kellicottia longispina</i>	6.7		3.9	1.3	3.0				
<i>Keratella cochlearis</i>	104.9		50.2	52.2	101.6				
<i>K. quadrata</i>	14.9		18.8	3.8	14.2				
<i>Lecane luna</i>									
<i>L. lunaris</i>									
<i>Lepadella patella</i>									
<i>Mytilina</i> sp.									
<i>Notholca squamula</i>									
<i>Pleosoma</i> sp.	1.7				0.2				
<i>Polyarthra</i> sp.	84.9		38.2	15.2	59.2				
<i>Trichocerca cylindrica</i>									
<i>T. multicornis</i>									
Unidentifiable Rotifer	13.3		21.1	6.7	19.7				
<i>Conochiloides</i> sp.									
COPEPODA									
Calanoid copepods									
<i>Diaptomus</i> sp.					0.2				
<i>Eurytemora</i> sp.									
Immatures									
Cyclopoid copepods									
<i>Cyclops</i> sp.									
<i>Mesocyclops</i> sp.									
Immatures	1.7		5.7	1.3	5.9				
Nauplius	23.3		19.4	11.4	26.2				
CLADOCERA									
<i>Bosmina</i> sp.	18.3		4.6	5.9	24.5				
<i>Ceriodaphnia</i> sp.									
<i>Chydorus</i> sp.			0.6	1.3	0.7				
<i>Daphnia galeata</i>									
<i>D. pulex</i>									
<i>D. retrocurva</i>									
<i>Diaphanosoma</i> sp.									
<i>Holopedium gibberum</i>									
<i>Leptodora kindtii</i>									
Total	294.7		179.0	106.2					

Notes:

1. Sample collection date: 12-4-73
2. Collection method: Vertical Tow, Wisconsin Net
3. Reported as number of zooplankters per liter

TABLE B-8
ANALYSIS OF ZOOPLANKTON POPULATIONS AT LOCUST POINT
MAY, 1973

ZOOPLANKTON SPECIES	Sta. 1	Sta. 3	Sta. 5	Sta. 7	Sta. 8	Sta. 9	Sta. 10	Sta. 12	Sta. 13
ROTIFERA									
<i>Asplanchna giroidi</i>									
<i>A. priocanta</i>	11.2		22.4	11.2			16.8		11.2
<i>Brachionus angularis</i>	16.8	5.6	11.2				22.4		39.2
<i>B. calyciflorus</i>	16.8	11.2	22.4	28.0			11.2		5.6
<i>B. havanaensis</i>									
<i>B. (Planorbis) patulus</i>									
<i>B. quadridentatus</i>									
<i>Chromogaster ovalis</i>									
<i>Filinia terminalis</i>	61.6	44.8	28.0	22.4			44.8		72.8
<i>Kellicottia longispina</i>	5.6	39.2	5.6	11.2					11.2
<i>Keratella cochlearis</i>	106.4	67.2	106.4	190.4			252.0		117.6
<i>K. quadrata</i>	61.6	212.8	117.6	604.8			218.4		414.4
<i>Lecane luna</i>									
<i>L. lunaris</i>									
<i>Lepadella patella</i>									
<i>Mytilina</i> sp.									
<i>Notholca squamula</i>									
<i>Pleosoma</i> sp.									
<i>Polarthra</i> sp.	39.2	67.2	11.2	72.8			50.4		61.6
<i>Trichocerca cylindrica</i>									
<i>T. multierinis</i>							5.6		
Unidentifiable Rotifer									
<i>Conochiloides</i> sp.									
COPEPODA									
Calanoid copepods									
<i>Diaptomus</i> sp.		16.8					5.6		
<i>Eurytemora</i> sp.									
Immatures		11.2					11.2		
Cyclopoid copepods									
<i>Cyclops</i> sp.	16.8	11.2	11.2	5.6			22.4		11.2
<i>Mesocyclops</i> sp.									
Immatures	33.6	33.6	11.2	22.4			39.6		33.6
Nauplius	235.2	218.4	235.2	358.4			229.6		319.2
CLADOCERA									
<i>Bosmina</i> sp.	5.6			5.6					
<i>Ceriodaphnia</i> sp.									
<i>Chydorus</i> sp.									
<i>Daphnia galeata</i>									
<i>D. pulex</i>									
<i>D. retrocurva</i>	11.2								
<i>Diaphanosoma</i> sp.									
<i>Holopedium gibberum</i>									
<i>Leptodora kindtii</i>	5.6	5.6							
Total	627.2	744.8	582.4	1332.8			930.0		1097.6

Notes:

1. Sample collection date: 5-25-73
2. Collection method: 3-liter Surface Grab
3. Reported as number of zooplankters per liter

TABLE B-8 CONT.
ANALYSIS OF ZOOPLANKTON POPULATIONS AT LOCUST POINT
MAY, 1973

ZOOPLANKTON SPECIES	Sta. 17	Sta. 18	Sta. 19	Sta. 20	Mean # /Sta. Sampled				
ROTIFERA									
<i>Asplanchna giroidi</i>									
<i>A. priodonta</i>					12.1				
<i>Brachionus angularis</i>					15.9				
<i>B. calyciflorus</i>					15.9				
<i>B. havanaensis</i>									
<i>B. (Platytas) patulus</i>									
<i>B. quadridentatus</i>									
<i>Chromocaster ovalis</i>									
<i>Filinia terminalis</i>					45.7				
<i>Kellicottia longispina</i>					12.1				
<i>Keratella cochlearis</i>					140.7				
<i>K. quadrata</i>					271.6				
<i>Lecane luna</i>									
<i>L. lunaris</i>									
<i>Lepadella patella</i>									
<i>Mytilina</i> sp.									
<i>Notholca squamula</i>									
<i>Pleosoma</i> sp.									
<i>Polwartia</i> sp.					50.4				
<i>Trichocerca cylindrica</i>									
<i>T. multierinis</i>					0.9				
Unidentifiable Rotifer									
<i>Conochiloides</i> sp.									
COPEPODA									
Calanoid copepods									
<i>Diatomus</i> sp.					3.7				
<i>Eurytemora</i> sp.									
Immatures					3.7				
Cyclopoid copepods									
<i>Cyclops</i> sp.					13.1				
<i>Mesocyclops</i> sp.									
Immatures					29.0				
Nauplius					266.0				
CLADOCERA									
<i>Bosmina</i> sp.									
<i>Ceriodaphnia</i> sp.					1.9				
<i>Chydorus</i> sp.									
<i>Daphnia galeata</i>									
<i>D. pulex</i>									
<i>D. retrocurva</i>					1.9				
<i>Diaphanosoma</i> sp.									
<i>Holopedium gibberum</i>									
<i>Leptodora kindtii</i>					1.9				
Total									

Notes:

1. Sample collection date: 5-25-73
2. Collection method: 3-liter Surface Grab
3. Reported as: number of zooplankters per liter

TABLE B-9
ANALYSIS OF ZOOPLANKTON POPULATIONS AT LOCUST POINT
JUNE, 1973

ZOOPLANKTON SPECIES	Sta. 1	Sta. 3	Sta. 5	Sta. 7	Sta. 8	Sta. 9	Sta. 10	Sta. 12	Sta. 13
ROTIFERA									
<i>Asplanchna giroidi</i>									
<i>A. priodonta</i>									
<i>Brachionus angularis</i>			16.8				16.8		5.6
<i>B. calyciflorus</i>									
<i>B. havanensis</i>									
<i>B. (Platyas) patulus</i>									
<i>B. quadridentatus</i>									
<i>Chromogaster ovalis</i>									
<i>Filinia terminalis</i>		5.6	5.6				5.6		
<i>Kellicottia longispina</i>									
<i>Keratella cochlearis</i>									
<i>K. quadrata</i>									
<i>Lecane luna</i>									
<i>L. lunaris</i>									
<i>Lepadella patella</i>									
<i>Mytilina</i> sp.									
<i>Notholca squamula</i>									
<i>Plecosoma</i> sp.									
<i>Polarthra</i> sp.	50.4	84.0	112.0	414.4			84.0		95.2
<i>Trichocerca cylindrica</i>									
<i>T. multierinis</i>									
Unidentifiable Rotifer									
<i>Conochiloides</i> sp.									
COPEPODA									
Calanoid copepods									
<i>Diaptomus</i> sp.	11.2		11.2	5.6			5.6		22.4
<i>Eurytemora</i> sp.									
Immatures							11.2		
Cyclopoid copepods									
<i>Cyclops</i> sp.	84.0	89.6	128.8	106.4			67.8		100.8
<i>Mesocyclops</i> sp.									
Immatures		28.0	11.2	11.2			44.8		50.4
Nauplius	352.8	582.4	498.4	308.0			319.2		319.2
CLADOCERA									
<i>Bosmina</i> sp.	16.8	50.4	33.6	16.8			44.8		22.4
<i>Ceriodaphnia</i> sp.									
<i>Chydorus</i> sp.									
<i>Daphnia galeata</i>									
<i>D. pulex</i>									
<i>D. retrocurva</i>	11.2	22.4	61.6	50.4			22.4		56.0
<i>Diaphanosoma</i> sp.									
<i>Holopedium gibberum</i>									
<i>Leptodora kindtii</i>									
Total	526.4	862.4	879.2	912.8			622.2		672.0

Notes:

1. Sample collection date: 6-27-73
2. Collection method: 3-liter Surface Grab
3. Reported as number of zooplankters per liter

TABLE B-9 CONT.
ANALYSIS OF ZOOPLANKTON POPULATIONS AT LOCUST POINT
JUNE, 1973

ZOOPLANKTON SPECIES	Sta. 17	Sta. 18	Sta. 19	Sta. 20	Mean # /Sta. Sampled				
ROTIFERA									
<i>Asplanchna giroidi</i>									
<i>A. priodonta</i>									
<i>Brachionus angularis</i>			16.8	11.2	7.5				
<i>B. calyciflorus</i>									
<i>B. havanaensis</i>									
<i>B. (Plautias) patulus</i>									
<i>B. quadridentatus</i>			5.6		0.6				
<i>Chromogaster ovalis</i>									
<i>Filinia terminalis</i>			39.2	11.2	7.5				
<i>Kellicottia longispina</i>									
<i>Keratella cochlearis</i>									
<i>K. quadrata</i>									
<i>Lecane luna</i>				5.6	0.6				
<i>L. lunaris</i>									
<i>Lepadella patella</i>									
<i>Mytilina</i> sp.									
<i>Notholca squamula</i>									
<i>Pleosoma</i> sp.									
<i>Polarthra</i> sp.		95.2	134.4	50.4	124.4				
<i>Trichocerca cylindrica</i>									
<i>T. multierinis</i>									
Unidentifiable Rotifer									
<i>Conochiloides</i> sp.									
COPEPODA									
Calanoid copepods									
<i>Diaptomus</i> sp.		11.2	11.2	5.6	9.3				
<i>Eurytemora</i> sp.									
Immatures					1.2				
Cyclopoid copepods									
<i>Cyclops</i> sp.		16.8	61.6	67.2	80.3				
<i>Mesocyclops</i> sp.									
Immatures		22.4	16.8	5.6	21.2				
Nauplius		117.6	487.2	296.8	364.6				
CLADOCERA									
<i>Bosmina</i> sp.		22.4	16.8	16.8	26.8				
<i>Ceriodaphnia</i> sp.									
<i>Chydorus</i> sp.									
<i>Daphnia galeata</i>									
<i>D. pulex</i>									
<i>D. retrocurva</i>		33.6	16.8	16.8	32.4				
<i>Diaphanosoma</i> sp.									
<i>Holopedium gibberum</i>									
<i>Leptodora kindtii</i>									
Total		319.2	806.4	487.2					

Notes:

1. Sample collection date: 6-27-73
2. Collection method: 3-liter Surface Grab
3. Reported as number of zooplankters per liter

TABLE B-10
ANALYSIS OF ZOOPLANKTON POPULATIONS AT LOCUST POINT
JULY, 1973

ZOOPLANKTON SPECIES	Sta. 1	Sta. 3	Sta. 5	Sta. 7	Sta. 8	Sta. 9	Sta. 10	Sta. 12	Sta. 13
ROTIFERA									
<i>Asplanchna giroidi</i>									
<i>A. priodonta</i>	5.6	5.6	16.8	5.6		33.6	28.0		28.0
<i>Brachionus angularis</i>						44.8			
<i>B. calyciflorus</i>									
<i>B. havanaensis</i>			33.6	5.6					
<i>B. (Platys) patulus</i>									
<i>B. quadridentatus</i>									
<i>Chromocaster ovalis</i>									
<i>Filinia terminalis</i>			11.2	5.6		5.6			
<i>Kellicottia longispina</i>									
<i>Keratella cochlearis</i>	50.4	16.8	195.8	67.2		16.8	11.2		22.4
<i>K. quadrata</i>									
<i>Lecane luna</i>						5.6			
<i>L. lunaris</i>									
<i>Lepadella patella</i>									
<i>Mytilina</i> sp.									
<i>Notholca squamula</i>									
<i>Pleosoma</i> sp.									
<i>Polyarthra</i> sp.	425.6	324.8	515.4	957.6		952.0	347.2		246.4
<i>Trichocerca cylindrica</i>			28.0						
<i>T. multierinis</i>									
Unidentifiable Rotifer									
<i>Conochiloides</i> sp.		11.2	16.8	5.6		16.8			
COPEPODA									
Calanoid copepods									
<i>Diaptomus</i> sp.		5.6		11.2		5.6			16.8
<i>Eurytemora</i> sp.									
Immatures		33.6		61.6		11.2	11.2		16.8
Cyclopoid copepods									
<i>Cyclops</i> sp.	28.0	44.8	139.8			44.8	89.6		285.6
<i>Mesocyclops</i> sp.									
Immatures		22.4	44.8	22.4		50.4	44.8		22.4
Nauplius	526.6	375.2	392.0	543.4		632.8	453.6		269.8
CLADOCERA									
<i>Bosmina</i> sp.	11.2		61.6	5.6		16.8			11.2
<i>Ceriodaphnia</i> sp.									
<i>Chydorus</i> sp.									
<i>Daphnia galeata</i>		5.6		5.6					5.6
<i>D. pulex</i>							5.6		
<i>D. retrocurva</i>		22.4	16.8	89.6		15.0			16.8
<i>Diaphanosoma</i> sp.									
<i>Holopedium gibberum</i>									
<i>Leptodora kindtii</i>									
Total	1047.4	868.0	1472.6	1786.6		1851.8	991.2		941.8

Notes:

1. Sample collection date: 7-25-73
2. Collection method: 3-liter Surface Grab
3. Reported as number of zooplankters per liter

TABLE B-10 CONT.
ANALYSIS OF ZOOPLANKTON POPULATIONS AT LOCUST POINT
JULY, 1973

ZOOPLANKTON SPECIES	Sta. 17	Sta. 18	Sta. 19	Sta. 20	Mean # /Sta. Sampled				
ROTIFERA									
<i>Asplanchna giroidi</i>									
<i>A. priodonta</i>	11.2				13.4				
<i>Brachionus angularis</i>					4.5				
<i>B. calyciflorus</i>									
<i>B. havanaensis</i>					3.9				
<i>B. (Platytas) patulus</i>									
<i>B. quadridentatus</i>									
<i>Chromogaster ovalis</i>									
<i>Filinia terminalis</i>				5.6	2.8				
<i>Kellicottia longispina</i>									
<i>Keratella cochlearis</i>	16.8				39.7				
<i>K. quadrata</i>									
<i>Lecane luna</i>									
<i>L. lunaris</i>									
<i>Lepadella patella</i>									
<i>Mytilina</i> sp.									
<i>Notholca squamula</i>									
<i>Pleqsona</i> sp.									
<i>Polyarthra</i> sp.	285.6		269.8	319.2	464.4				
<i>Trichocerca cylindrica</i>					2.8				
<i>T. multierinis</i>									
Unidentifiable Rotifer									
<i>Conochiloides</i> sp.					5.0				
COPEPODA									
Calanoid copepods									
<i>Diaptomus</i> sp.	11.2			5.6	5.6				
<i>Eurytemora</i> sp.									
Immatures				22.4	15.7				
Cyclopoid copepods									
<i>Cyclops</i> sp.	139.8		44.8	100.8	91.8				
<i>Mesocyclops</i> sp.									
Immatures	22.4			28.0	25.8				
Nauplius	285.6		280.0	375.2	413.4				
CLADOCERA									
<i>Bosmina</i> sp.				11.2	11.8				
<i>Ceriodaphnia</i> sp.									
<i>Chydorus</i> sp.									
<i>Daphnia galeata</i>					1.7				
<i>D. pulex</i>			5.6	16.8	2.8				
<i>D. retrocurva</i>	5.6				16.6				
<i>Diaphanosoma</i> sp.									
<i>Holopedium gibberum</i>									
<i>Leptodora kindtii</i>									
Total	778.2		600.2	884.8					

Notes:

1. Sample collection date: 7-25-73
2. Collection method: 3-liter Surface Grab
3. Reported as number of zooplankters per liter

TABLE B-11
ANALYSIS OF ZOOPLANKTON POPULATIONS AT LOCUST POINT
AUGUST, 1973

ZOOPLANKTON SPECIES	Sta. 1	Sta. 3	Sta. 5	Sta. 7	Sta. 8	Sta. 9	Sta. 10	Sta. 12	Sta. 13
ROTIFERA									
<i>Asplanchna giroidi</i>									
<i>A. priodonta</i>	5.6	11.2	33.6	11.2		11.2	39.2	50.4	33.6
<i>Brachionus angularis</i>	151.2	128.8	5.6	50.4		33.6	72.8	33.6	5.6
<i>B. calyciflorus</i>									
<i>B. havanensis</i>			16.8	16.8				33.6	5.6
<i>B. (Plautias) patulus</i>									
<i>B. quadridentatus</i>									
<i>Chromogaster ovalis</i>									
<i>Filinia terminalis</i>			22.4					16.8	
<i>Kellicottia longispina</i>									
<i>Keratella cochlearis</i>	95.2	67.2	28.0	50.4		11.2	39.2	16.8	28.0
<i>K. quadrata</i>									
<i>Lecane luna</i>									
<i>L. lunaris</i>									
<i>Lepadella patella</i>									
<i>Mytilina</i> sp.									
<i>Notholca squamula</i>									
<i>Pleosoma</i> sp.									
<i>Polyarthra</i> sp.	319.2	285.6	123.2	280.0		162.4	72.8	364.0	156.8
<i>Trichocerca cylindrica</i>	33.6	22.4							
<i>T. multicornis</i>		11.2							16.8
Unidentifiable Rotifer									
<i>Conochiloides</i> sp.						11.2			
COPEPODA									
Calanoid copepods									
<i>Diaptomus</i> sp.				11.2					
<i>Eurytemora</i> sp.									
Immatures		5.6							
Cyclopoid copepods									
<i>Cyclops</i> sp.				16.8		50.4			
<i>Mesocyclops</i> sp.									
Immatures	5.6	5.6	11.2	16.8		16.8	16.8		5.6
Nauplius	212.8	162.4	140.0	268.8		95.2	168.0	100.8	100.8
CLADOCERA									
<i>Bosmina</i> sp.	16.8	16.8	22.4	39.2		33.6	16.8	33.6	11.2
<i>Ceriodaphnia</i> sp.									
<i>Chydorus</i> sp.									
<i>Daphnia galeata</i>									
<i>D. pulex</i>									
<i>D. retrocurva</i>	11.2	33.6	16.8	28.0			5.6		11.2
<i>Dianphanosoma</i> sp.									
<i>Holopedium gibberum</i>				5.6					5.6
<i>Leptodora kindtii</i>							11.2	5.6	
Total	951.2	750.4	420.0	795.2		425.6	442.4	655.2	380.8

Notes:

1. Sample collection date: 8-23-73
2. Collection method: 3-liter Surface Grab
3. Reported as number of zooplankters per liter

TABLE B-11 CONT.
ANALYSIS OF ZOOPLANKTON POPULATIONS AT LOCUST POINT
AUGUST, 1973

ZOOPLANKTON SPECIES	Sta. 17	Sta. 18	Sta. 19	Sta. 20	Mean # /Sta. Sampled				
ROTIFERA									
<i>Asplanchna giroidi</i>									
<i>A. priodonta</i>	11.2		117.6	84.0	37.2				
<i>Brachionus angularis</i>	33.6		39.2	78.2	57.5				
<i>B. calyciflorus</i>				5.6	.5				
<i>B. havanaensis</i>			11.2	16.8	9.2				
<i>B. (Platyas) patulus</i>									
<i>B. quadridentatus</i>									
<i>Chromocaster ovalis</i>									
<i>Filinia terminalis</i>			78.4	33.6	13.7				
<i>Kellicottia longispina</i>									
<i>Keratella cochlearis</i>			78.4	179.2	54.0				
<i>K. quadrata</i>									
<i>Lecane luna</i>			11.2		1.0				
<i>L. lunaris</i>									
<i>Lepadella patella</i>									
<i>Mutillina</i> sp.									
<i>Notholca squamula</i>									
<i>Pleosoma</i> sp.									
<i>Polarthra</i> sp.	151.2		1041.6	991.2	358.9				
<i>Trichocerca cylindrica</i>			44.8	22.4	11.2				
<i>T. multicornis</i>					2.5				
Unidentifiable Rotifer					1.0				
<i>Conochiloides</i> sp.									
COPEPODA									
Calanoid copepods									
<i>Diaptomus</i> sp.				16.8	2.5				
<i>Eurytemora</i> sp.									
Immatures	28.0				3.1				
Cyclopoid copepods									
<i>Cyclops</i> sp.				16.8	7.6				
<i>Mesocyclops</i> sp.									
Immatures				16.8	8.7				
Nauplius	84.0		319.2	369.6	183.8				
CLADOCERA									
<i>Bosmina</i> sp.	22.4		11.2	11.2	21.4				
<i>Ceriodaphnia</i> sp.									
<i>Chydorus</i> sp.									
<i>Daphnia galeata</i>									
<i>D. pulex</i>									
<i>D. retrocurva</i>	11.2		5.6		11.2				
<i>Diaphanosoma</i> sp.									
<i>Holopedium gibberum</i>					1.0				
<i>Leptodora kindtii</i>					1.5				
Total	341.6		1758.4	1842.2					

Notes:

1. Sample collection date: 8-23-73
2. Collection method: 3-liter Surface Grab
3. Reported as number of zooplankters per liter

APPENDIX C

PHYTOPLANKTON POPULATIONS AT LOCUST POINT

1973

TABLE C-1

DOMINANT PHYTOPLANKTON TAXA
AT LOCUST POINT, MAY, 1973

Collection Date 5-25-73

PHYTOPLANKTON SPECIES	STA. 1		STA. 2		STA. 3		STA. 5		STA. 7		STA. 10		STA. 13		STA. 17		STA.		STA.		STA.		STA.	
	VT	3l		3l	VT	3l	VT	3l	VT	3l	VT	3l	VT	3l	VT		VT	3l	VT	3l	VT	3l	VT	3l
MYXOPHYCEAE (Blue-Green Algae)																								
<i>Aphanizomenon</i> sp.																								
CHLOROPHYCEAE (Green Algae)																								
<i>Pediastrum</i> sp.	●	●		●	●	●	●	●	●	●	●	●	●	●	●									
<i>Ulothrix</i> sp.	●			●	●	●	●	●	●	●	●	●	●	●	●									
<i>Volvox</i> sp.									●	●					●									
BACILLARIOPHYCEAE (Diatoms)																								
<i>Asterionella</i> sp.	●	●		●	●	●	●	●	●	●	●	●	●	●	●									
<i>Fragilaria</i> sp.	●	●		●	●	●	●	●	●	●	●	●	●	●	●									
<i>Melosira</i> sp.	●	●		●	●	●	●	●		●	●	●	●	●	●									
<i>Tabellaria</i> sp.	●	●		●	●	●	●	●	●	●	●	●	●	●	●									
DINOPHYCEAE (Dinoflagellates)																								
<i>Ceratium</i> sp.	●	●			●	●	●								●									

VT - vertical tow, Wisconsin net (40 mesh)
3l - 3 liter water sample (1 meter below surface)

TABLE C-2

DOMINANT PHYTOPLANKTON TAXA
AT LOCUST POINT, JUNE, 1973

Collection Date 6-27-73

PHYTOPLANKTON SPECIES	STA. 1		STA. 3		STA. 5		STA. 7		STA. 10		STA. 13		STA. 17		STA. 20		STA. 19		STA.		STA.		STA.	
	VT	3l	VT	3l	VT	3l	VT	3l	VT	3l	VT	3l	VT	3l	VT	3l	VT	3l	VT	3l	VT	3l	VT	3l
MYXOPHYCEAE (Blue-Green Algae)																								
<i>Aphanizomenon</i> sp.																								
CHLOROPHYCEAE (Green Algae)																								
<i>Pediastrum</i> sp.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•						
<i>Ulothrix</i> sp.																								
<i>Volvox</i> sp.																								
BACILLARIOPHYCEAE (Diatoms)																								
<i>Asterionella</i> sp.																								
<i>Fragilaria</i> sp.																								
<i>Melosira</i> sp.							•		•		•													
<i>Tabellaria</i> sp.																								
DINOPHYCEAE (Dinoflagellates)																								
<i>Ceratium</i> sp.																								

VT - vertical tow, Wisconsin net (40 mesh)

3l - 3 liter water sample (1 meter below surface)

TABLE C-3

DOMINANT PHYTOPLANKTON TAXA
AT LOCUST POINT, JULY, 1973

Collection Date 7-25-73

PHYTOPLANKTON SPECIES	STA. 1		STA. 3		STA. 5		STA. 7		STA. 9		STA. 10		STA. 13		STA. 18		STA. 19		STA. 20		STA.		STA.	
	VT	3l	VT	3l	VT	3l	VT	3l	VT	3l	VT	3l	VT	3l	VT	3l	VT	3l	VT	3l	VT	3l	VT	3l
MYXOPHYCEAE (Blue-Green Algae)																								
<i>Aphanizomenon</i> sp.	●		●	●			●				●			●			●							
CHLOROPHYCEAE (Green Algae)																								
<i>Pediastrum</i> sp.	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				
<i>Ulothrix</i> sp.																								
<i>Volvox</i> sp.																								
BACILLARIOPHYCEAE (Diatoms)																								
<i>Asterionella</i> sp.																								
<i>Fragilaria</i> sp.																								
<i>Melosira</i> sp.	●	●			●	●	●						●		●									
<i>Tabellaria</i> sp.																								
DINOPHYCEAE (Dinoflagellates)																								
<i>Ceratium</i> sp.							●		●	●														

VT - vertical tow, Wisconsin net (40 mesh)

3l - 3 liter water sample (1 meter below surface)

TABLE C-4

DOMINANT PHYTOPLANKTON TAXA
AT LOCUST POINT, AUGUST, 1973

Collection Date 8-23-73

PHYTOPLANKTON SPECIES	STA. 1		STA. 3		STA. 5		STA. 7		STA. 8		STA. 9		STA. 10		STA. 12		STA. 13		STA. 18		STA. 19		STA. 20	
	VT	3l	VT	3l	VT	3l	VT	3l	VT		VT	3l	VT	3l	VT	3l	VT	3l	VT	3l	VT	3l	VT	3l
MYXOPHYCEAE (Blue-Green Algae)																								
<i>Aphanizomenon</i> sp.	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•
CHLOROPHYCEAE (Green Algae)																								
<i>Pediastrum</i> sp.	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•
<i>Ulothrix</i> sp.																								
<i>Volvox</i> sp.																								
BACILLARIOPHYCEAE (Diatoms)																								
<i>Asterionella</i> sp.																								
<i>Fragilaria</i> sp.			•		•				•		•				•				•					•
<i>Helosira</i> sp.															•									
<i>Fibellaria</i> sp.																								
DINOPHYCEAE (Dinoflagellates)																								
<i>Gerrathium</i> sp.									•		•						•		•		•			•

VT - vertical tow, Wisconsin net (40 mesh)

3l - 3 liter water sample (1 meter below surface)

TABLE C-5

DOMINANT PHYTOPLANKTON TAXA
AT LOCUST POINT, SEPTEMBER, 1973

Collection Date 9-26-73

PHYTOPLANKTON SPECIES	STA. 1	STA. 3	STA. 5	STA. 7	STA. 8	STA. 9	STA. 10	STA. 12	STA. 13	STA. 18	STA. 19	STA. 20
	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT
PHYXOPHYCEAE (Blue-Green Algae)												
<i>Ankistrodesmus</i> sp.	●	●									●	●
CHLOROPHYCEAE (Green Algae)												
<i>Pediastrum</i> sp.	●	●	●	●	●	●	●	●	●	●	●	●
<i>Ulothrix</i> sp.												
<i>Volvox</i> sp.												
BACILLARIOPHYCEAE (Diatoms)												
<i>Asterionella</i> sp.												
<i>Fragilaria</i> sp.	●	●		●	●	●	●	●	●	●	●	●
<i>Melosira</i> sp.	●	●	●	●	●	●	●		●	●	●	●
<i>Pheodactylum</i> sp.												
DINOPHYCEAE (Dinoflagellates)												
<i>Gyrodinium aureolum</i> sp.												

VT - vertical tow, Wisconsin net (40 mesh)

3l - 3 liter water sample (1 meter below surface)

TABLE C-6

DOMINANT PHYTOPLANKTON TAXA
AT LOCUST POINT, OCTOBER, 1973Collection Date 11-6-73

PHYTOPLANKTON SPECIES	STA. 1	STA. 3	STA. 5	STA. 7	STA. 9	STA. 10	STA. 13	STA. 18	STA. 19	STA. 20	STA. 31	STA. 31
	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT
PHYCOPHYCEAE (Blue-Green Algae)												
<i>Ankistrodesmus</i> sp.												
CHLOROPHYCEAE (Green Algae)												
<i>Chlorella</i> sp.	●	●		●	●	●	●	●	●	●		
<i>Ulothrix</i> sp.												
<i>Volvox</i> sp.												
BACILLARIOPHYCEAE (Diatoms)												
<i>Asterionella</i> sp.	●	●	●	●	●	●	●	●	●	●		
<i>Thalassia</i> sp.												
<i>Ulothrix</i> sp.	●	●	●	●	●	●	●	●	●	●		
<i>Thalassia</i> sp.			●									
DINOPHYCEAE (Dinoflagellates)												
<i>Gyrodinium</i> sp.												

VT - vertical tow, Wisconsin net (40 mesh)

31 - 3 liter water sample (1 meter below surface)

TABLE C-7

DOMINANT PHYTOPLANKTON TAXA
AT LOCUST POINT, NOVEMBER, 1973

Collection Date 12-4-73

PHYTOPLANKTON SPECIES	STA. 1		STA. 3		STA. 5		STA. 7		STA. 9		STA. 10		STA. 13		STA. 18		STA. 19		STA. 20		STA. 31		STA. 31	
	VT		VT		VT		VT		VT		VT		VT		VT		VT		VT		VT	31	VT	31
MYXOPHYCEAE (Blue-Green Algae)																								
<i>Aphanizomenon</i> sp.																								
CHLOROPHYCEAE (Green Algae)																								
<i>Pediastrum</i> sp.																								
<i>Ulothrix</i> sp.																								
<i>Volvox</i> sp.																								
BACILLARIOPHYCEAE (Diatoms)																								
<i>Asterionella</i> sp.	●		●										●		●									
<i>Fragilaria</i> sp.	●				●						●		●		●		●							
<i>Melosira</i> sp.	●		●		●		●		●		●		●		●		●		●					
<i>Tabellaria</i> sp.	●		●		●		●		●		●		●		●		●							
DINOPHYCEAE (Dinoflagellates)																								
<i>Ceratium</i> sp.																								

VT - vertical tow, Wisconsin net (40 mesh)

31 - 3 liter water sample (1 meter below surface)

APPENDIX D

FISH POPULATIONS AT LOCUST POINT

1973

TABLE D-1

ANALYSIS OF TRAWLING CATCH AT LOCUST POINT, 1973

Species	6-29-73				7-17-73			
	No.	Length (mm)		Total Wt (g)	No.	Length (mm)		Total Wt (g)
		Mean	Range			Mean	Range	
<u>Alosa pseudoharengus</u>								
<u>Aplodinotus grunniens</u>	60	34	11-267	662	150	54	20-248	2258
<u>Carassius auratus</u>	2	208	202-213	384	3	211	167-242	536
<u>Catostomus c. commersoni</u>					1	138	-	21
<u>Cyprinus carpio</u>	7	277	166-514	2886	10	223	157-445	2531
<u>Dorosoma cepedianum</u>								
<u>Ictalurus nebulosus</u>	10	195	165-222	1142	8	180	130-254	313
<u>I. punctatus</u>	12	179	17-197	225	107	182	83-275	6586
<u>Morone chrysops</u>	5	75	21-155	90	5	24	16-31	-
<u>Notropis a. atherinoides</u>	12	99	85-108	78	3	103	100-107	24
<u>N. hudsonius</u>	8	104	88-113	86	6	40	33-44	-
<u>Osmerus eperlanus mordax</u>	69	33	21-160	48	22	35	30-41	-
<u>Perca flavescens</u>	26	43	15-175	169	21	84	40-198	318
<u>Percina caprodes</u>								
<u>Percopsis omiscomaycus</u>	1	82	-	3				
<u>Pomoxis annularis</u>								
<u>P. nigromaculatus</u>								
<u>Stizostedion v. vitreum</u>	2	48	41-55	-				
TOTAL	214			5773	336			12587

TABLE D-1 CONT.

ANALYSIS OF TRAWLING CATCH AT LOCUST POINT, 1973

Species	8-24-73				9-27-73			
	No.	Length (mm)		Total Wt (g)	No.	Length (mm)		Total Wt (g)
		Mean	Range			Mean	Range	
<u>Alosa pseudoharengus</u>					21	111	97-123	253
<u>Aplodinotus grunniens</u>	12	136	80-220	443	10	99	61-159	124
<u>Carassius auratus</u>								
<u>Catostomus c. commersoni</u>								
<u>Cyprinus carpio</u>	2	236	232-240	444	4	306	228-360	1718
<u>Dorosoma cepedianum</u>	10	115	63-147	193	28	114	101-138	347
<u>Ictalurus nebulosus</u>	1	166		64				
<u>I. punctatus</u>	3	67	56-74	9	9	91	56-98	88
<u>Morone chrysops</u>	8	59	37-73	18	56	70	40-105	206
<u>Notropis a. atherinoides</u>	3	49	25-94	6	1	85	-	4
<u>N. hudsonius</u>	20	110	90-124	263	45	103	70-131	510
<u>Osmerus eperlanus mordax</u>	2	44	36-52	-				
<u>Perca flavescens</u>	39	171	80-220	2596	33	168	78-210	2003
<u>Percina caprodes</u>					1	64		2
<u>Percopsis omiscomaycus</u>					1	87		8
<u>Pomoxis annularis</u>	1	148	-	40				
<u>P. nigromaculatus</u>	2	86	36-137	40	1	128		20
<u>Stizostedion v. vitreum</u>								
TOTAL	103			4116	210			5283

TABLE D-1 CONT.

ANALYSIS OF TRAWLING CATCH AT LOCUST POINT, 1973

Species	11-5-73			
	No.	Length (mm)		Total Wt (g)
		Mean	Range	
<u>Alosa pseudoharengus</u>				
<u>Aplodinotus grunniens</u>	18	124	65-362	1053
<u>Carassius auratus</u>	5	207	170-276	906
<u>Catostomus c. commersoni</u>				
<u>Cyprinus carpio</u>	2	258	250-265	502
<u>Dorosoma cepedianum</u>	3	129	119-145	69
<u>Ictalurus nebulosus</u>				
<u>I. punctatus</u>	12	77	55-100	48
<u>Morone chrysops</u>				
<u>Notropis a. atherinoides</u>	2	59	55-62	-
<u>N. hudsonius</u>	38	103	50-130	413
<u>Osmerus eperlanus mordax</u>				
<u>Perca flavescens</u>	51	161	80-210	2716
<u>Percina caprodes</u>	1	57		-
<u>Percopsis omiscomaycus</u>	1	75		3
<u>Pomoxis annularis</u>				
<u>P. nigromaculatus</u>				
<u>Stizostedion v. vitreum</u>				
TOTAL	133			5710

TABLE D-2

ANALYSIS OF GILL NETTING CATCH AT LOCUST POINT, 1973

Species	7-2-73				8-2-73			
	No.	Length (mm)		Total Wt (g)	No.	Length (mm)		Total Wt (g)
		Mean	Range			Mean	Range	
<u>Alosa pseudoharengus</u>								
<u>Aplodinotus grunniens</u>	108	211	102-355	13616	30	176	121-280	2481
<u>Carassius auratus</u>	3	281	254-300	1025	5	201	145-305	847
<u>Catostomus c. commersoni</u>	1	326		400				
<u>Cyprinus carpio</u>	14	340	160-476	8706	17	335	226-435	9196
<u>C. carpio</u> x <u>Carassius auratus</u>	2	329	325-332	1107	7	300	169-332	3123
<u>Dorosoma cepedianum</u>	36	289	205-375	10977	86	184.5	76-352	12207
<u>Hybopsis storeriana</u>					1	168		40
<u>Ictalurus natalis</u>								
<u>I. nebulosus</u>								
<u>I. punctatus</u>	6	210	165-322	627	7	249	158-360	1715
<u>Morone chrysops</u>					2	172	81-262	276
<u>Notropis a. atherinoides</u>								
<u>N. hudsonius</u>					12	113	100-122	172
<u>Osmerus eperlanus mordax</u>					1	159		21
<u>Perca flavescens</u>	34	186	164-218	2720	134	184	132-262	11269
<u>Pomoxis annularis</u>								
<u>Stizostedion v. vitreum</u>								
TOTAL	204			39178	302			41347

TABLE D-2 CONT.

ANALYSIS OF GILL NETTING CATCH AT LOCUST POINT, 1973

Species	8-30-73				9-28-73			
	No.	Length (mm)		Total Wt (g)	No.	Length (mm)		Total Wt (g)
		Mean	Range			Mean	Range	
<u>Alosa pseudoharengus</u>					186*	113	98-195	1895
<u>Aplodinotus grunniens</u>	31	192	85-329	3650	13	233	125-281	2139
<u>Carassius auratus</u>	2	223	205-241	384	1	228		192
<u>Catostomus c. commersoni</u>					1	486		1221
<u>Cyprinus carpio</u>	16	299	215-421	6811	17	300	230-382	7164
<u>C. carpio</u> x <u>Carassius auratus</u>	6	320	245-383	2974	4	299	234-334	1371
<u>Dorosoma cepedianum</u>	341	134	75-388	21662	112*	138	86-372	3892
<u>Hybopsis storeriana</u>					1	166		50
<u>Ictalurus natalis</u>	1	173		76				
<u>I. nebulosus</u>	1	194		98	2	195	176-213	185
<u>I. punctatus</u>	2	178	137-219	130				
<u>Morone chrysops</u>	13	105	85-144	207	3	93	83-106	28
<u>Notropis a. atherinoides</u>	25	111	98-128	348				
<u>N. hudsonius</u>					64	116	100-134	1044
<u>Osmerus eperlanus mordax</u>								
<u>Perca flavescens</u>	287	186	141-236	25330	356	215	104-226	31144
<u>Pomoxis annularis</u>					2	160	156-164	96
<u>Stizostedion v. vitreum</u>					1	346		496
TOTAL	725			61670	763*			50917

* Does not include Young-of-the-year

Alosa pseudoharengus - 308Dorosoma cepedianum - 272

TABLE D-2 CONT.

ANALYSIS OF GILL NETTING CATCH AT LOCUST POINT, 1973

Species	11-12-73			
	No.	Length (mm)		Total Wt (g)
		Mean	Range	
<u>Alosa pseudoharengus</u>	1	137		24
<u>Aplodinotus grunniens</u>				
<u>Carassius auratus</u>				
<u>Catostomus c. commersoni</u>				
<u>Cyprinus carpio</u>				
<u>C. carpio x Carassius auratus</u>				
<u>Dorosoma cepedianum</u>	5	167	122-330	464
<u>Hybopsis storeriana</u>				
<u>Ictalurus natalis</u>				
<u>I. nebulosus</u>				
<u>I. punctatus</u>				
<u>Morone chrysops</u>				
<u>Notropis a. atherinoides</u>	1	100		5
<u>N. hudsonius</u>	14	116	106-131	177
<u>Osmerus eperlanus mordax</u>				
<u>Perca flavescens</u>	1	191		92
<u>Pomoxis annularis</u>				
<u>Stizostedion v. vitreum</u>				
Total	22			762

TABLE D-3

ANALYSIS OF SHORE SEINING CATCH AT LOCUST POINT, 1973

Species	6-14-73				8-1-73			
	No.	Length (mm)		Total Wt (g)	No.	Length (mm)		Total Wt (g)
		Mean	Range			Mean	Range	
<u>Alosa pseudoharengus</u>	5	164	153-172	190	232	53	36-74	250
<u>Aplodinotus grunniens</u>	1	297		357				
<u>Cyprinus carpio</u>	3	423	296-495	3751				
<u>Dorosoma cepedianum</u>	2	303	299-307	556	47	81	60-118	188
<u>Lepomis humilis</u>	1	76		10				
<u>Morone chrysops</u>	2	137	130-143	68	122	63	37-90	300
<u>Notropis a. atherinoides</u>	306	68.3	45-119	979	474	83	39-122	2124
<u>N. hudsonius</u>	129	110	73-127	997				
<u>N. v. volucellus</u>					1	60		2
<u>Pomoxis annularis</u>	7	123	93-165	188				
<u>P. nigromaculatus</u>	6	109.5	84-173	139				
TOTAL	462			7235	876			2864

TABLE D-3 CONT.

ANALYSIS OF SHORE SEINING CATCH AT LOCUST POINT, 1973

Species	10-3-73				11-12-73			
	No.	Length (mm)		Total Wt (g)	No.	Length (mm)		Total Wt (g)
		Mean	Range			Mean	Range	
<u>Alosa pseudoharengus</u> <u>Aplodinotus grunniens</u> <u>Cyprinus carpio</u> <u>Dorosoma cepedianum</u> <u>Lepomis humilis</u> <u>Morone chrysops</u> <u>Notropis a. atherinoides</u> <u>N. hudsonius</u> <u>N. v. volucellus</u> <u>Pomoxis annularis</u> <u>F. nigromaculatus</u>	8	108	67-154	144	21	130	75-183	574
	2	67	67-67	8	1	95		9
	12	82	67-105	57	332	59	43-95	549
					1	122		25
Total	22			209	355			1157

APPENDIX E

WATER CHEMISTRY AT LOCUST POINT

1973

TABLE E-1

PHYSICOCHEMICAL MEASUREMENTS OF LAKE ERIE WATER
AT LOCUST POINT, OHIO

16-25 May 1973

Data Period

Sta	Date/Time	Depth (m)	Trans (m)	DO (ppm)		Temp (C°)		Cond (µmho/cm)		Turbid JTU		Alk (ppm)		pH			
				S	B	S	B	S	B	S	B	S	B	S	B		
1	5-19/1100	2.1	0.30			13.6	13.6	335	310	43							
2	5-19/1130	2.6	0.76			13.4	13.4	315	315								
3	5-19/1150	4.0	0.91	13.0		13.1	13.4	305	300	11							
4	5-19/1230	4.3	0.91			12.8	13.1	300	300								
5	5-25/1355	2.1	0.67	12.0		15.6	15.6	350	350	23							
6	5-25/1340	2.8	0.61			15.6	15.6	340	350								
7	5-25/1320	4.0	0.61	13.0		15.6	14.6	340	330	12							
8	5-25/1310	4.4	0.76			15.6	14.7	340	320								
9	5-25/1300	4.5	0.61			15.6	14.7	320	320								
10	5-16/0900	1.8	0.49			13.4	13.4	335	340	23							
11	5-16/0940	2.0	0.61			13.4	13.4	320	325								
12	5-16/1000		0.61	14.0		13.4	13.4	340	340	13							
13	5-25/1125	3.7	0.67	12.0		15.0	14.5	335	320	13							
14	5-25/1155	4.3	0.61			15.6	14.5	335	330								
15	5-25/1050	3.5	0.76			15.0	14.5	340	330								
16	5-25/1105	2.2	0.67			15.0	14.7	340	330								
17																	
18	5-25/1205	3.5	0.76	13.0		15.6	14.5	340	320	13							
19																	
20																	
21																	
22																	

TABLE E-2

PHYSICOCHEMICAL MEASUREMENTS OF LAKE ERIE WATER
AT LOCUST POINT, OHIO

27 June-2 July 1971
Data Period

Sta	Date/Time	Depth (m)	Trans (m)	DO (ppm)		Temp (C°)		Cond (µmho/cm)		Turbid JTU		Alk (ppm)		pH			
				S	B	S	B	S	B	S	B	S	B	S	B		
1	6-27/1515	1.6	0.27			23.4	22.8										
2	6-27/1520	2.6	0.24			22.8	22.8										
3	6-27/1530	3.7	0.34	7.0		22.8	23.1			32							
4	6-27/1550	4.1	0.43			22.8	22.8										
5	7-2/1400	1.9	0.18			25.6	24.5										
6	7-2/1350	3.1	0.27			25.0	23.9										
7	7-2/1330	4.5	0.43	14.0		24.2	23.4	330		18							
8	7-2/1320	4.5	0.34			24.5	23.4										
9	7-2/1310	4.8	0.49			24.5	23.4										
10	7-2/1140	2.9	0.24			25.6	23.9										
11	7-2/1150	3.2	0.30			25.6	23.6										
12	7-2/1220	2.2	0.34			25.0	23.4										
13	6-27/1255	3.5	0.30	9.0		23.4	22.8			32							
14	6-27/1205	3.9	0.40			23.1	23.1										
15	7-2/1200	2.3	0.34			24.5	23.4										
16	7-2/1210	2.3	0.34			24.7	23.4										
17																	
18	6-27/1230	3.5	0.34			23.1	23.4			32							
19	7-2/1510	4.5	0.27	14.0		27.5		390		32							
20	7-2/1450	4.8	0.30	14.0		27.2		390		34							
21																	
22																	

TABLE E-3

PHYSICO-CHEMICAL MEASUREMENTS OF LAKE ERIE WATER
AT LOCUST POINT, OHIO

25 July-1 Aug. 1970
Data Period

Sta	Date/Time	Depth (m)	Trans (m)	DO (ppm)		Temp (C°)		Cond (umho/cm)		Turbid JTU		Alk (ppm)		pH	
				S	B	S	B	S	B	S	B	S	B	S	B
1	7-25/1415	1.7	0.37	12.0		25.6	25.0			17		95			
2	7-25/1435	2.3	0.40			27.2	25.0								
3	7-25/1445	3.3	0.49	13.0		26.7	25.3			15		105			
4	7-25/1505	4.0	0.49			26.1	26.1								
5	8-1/1225	6.5	0.18	7.0		24.5	24.5			50		180			
6	8-1/1245	2.7	0.15			24.5	24.5								
7	8-1/1150	4.0	0.34	9.0		23.9	25.0			19		120			
8	8-1/1135	4.1	0.43			24.5	24.5								
9	8-1/1110	4.5	0.64	9.0		24.2	23.9			9		105			
10	7-25/1100	1.7	0.15	9.0		26.4	24.5			51		110			
11	7-25/1120	2.3	0.37			25.3	25.0								
12	7-25/1155	2.9	0.43			25.6	24.5								
13	7-25/1205	3.3	0.55	12.0		24.5	24.5			14		110			
14	7-25/1225	4.0	0.46			25.6	24.7								
15	7-25/1135	3.2	0.58			25.0	24.5								
16	7-25/1145	2.1	0.40			24.5	24.5								
17	7-25/1245	2.7	0.40	12.0		25.9	24.5			21		100			
18	7-25/1235	3.6	0.43			25.6	24.5								
19	7-25/1600	5.5	0.24	11.0		26.7	26.7			32		110			
20	7-25/1615	6.2	0.27	12.0		26.1	25.3			32		100			
21															
22															

TABLE E-4

PHYSICOCHEMICAL MEASUREMENTS OF LAKE ERIE WATER
AT LOCUST POINT, OHIO

23 August 1973

Sta	Date/Time	Depth (m)	Trans (m)	DO (ppm)		Temp (C°)		Cond (μ mhos/cm)		Turbid JTU		Alk (ppm)		pH		CO ₂ (ppm)
				S	B	S	B	S	B	S	B	S	B	S	B	
1	8-23/1705	1.9	0.30	12.0						17		120				0-5
2	8-23/1655	2.3	0.30													
3	8-23/1640	3.9	0.34	9.0						19		120				0-5
4	8-23/1630	4.3	0.40													
5	8-23/1540	2.9	0.18	8.0						19		155				0-5
6	8-23/1530	3.0	0.34													
7	8-23/1510	3.0	0.34	7.0						19		120				0-5
8	8-23/1450	4.1	0.43													
9	8-23/1430	4.5	0.43	10.0						16		135				0-5
10	8-23/1245	1.1	0.21	11.0						26		170				0-5
11	8-23/1230	2.1	0.24													
12	8-23/1205	3.0	0.30	11.0						18		105				0-5
13	8-23/1120	3.8	0.27	11.0						16		120				0-5
14	8-23/1030	4.3	0.30													
15	8-23/1140	3.5	0.27													
16	8-23/1155	2.6	0.30													
17	8-23/1050	2.2	0.27	9.0						22		155				0-5
18	8-23/1045	3.9	0.34													
19	8-23/1325	4.9	0.30	11.0						18		120				0-5
20	8-23/1345	5.5	0.37	11.0						16		105				0-5
21																
22																

TABLE E-5

PHYSICOCHEMICAL MEASUREMENTS OF LAKE ERIE WATER
AT LOCUST POINT, OHIO

19-26 Sept. 1973

Data Period

Sta	Date/Time	Depth (m)	Trans (m)	DO (ppm)		Temp (C°)		Cond (umho/cm)		Turbid JTU		Alk (ppm)		pH		OrthoPhos- phate (ppm)	
				S	B	S	B	S	B	S	B	phenol	total	S	B		
1	9-26/1410	1.7	0.21	9.6	8.8	20.0	19.0	300		27		0	155	8.3		0.05	
2	9-26/1350	2.0	0.24	9.5	9.2	20.0	19.0										
3	9-26/1330	3.0	0.30	10.0	9.1	20.0	19.0	281		25		0	135	8.2		0.05	
4	9-26/1315	3.6	0.30	8.8	10.0	19.5	19.0										
5	9-26/1230	3.3	0.18	8.4	7.3	20.0	19.0	260		35		0	135	8.2		0.05	
6	9-26/1215	2.5	0.18	9.1	8.6	19.5	19.0										
7	9-26/1150	3.6	0.46	9.1	9.0	19.1	19.0	281		18		0	155	8.2		0.25	
8	9-26/1125	4.3	0.49	8.8	8.5	19.0	18.6	260		14		0	120	8.3		0.40	
9	9-26/1100	5.6	0.49	9.0	8.2	19.0	18.5	245		16		0	135	8.3		0.05	
10	9-19/1220	1.0	0.27	10.0	9.0	17.0	16.0	287		37		0	120	7.9		0.03	
11	9-19/1235	2.4	0.27														
12	9-19/0130	2.6	0.30	5.9	8.2	17.0	17.0	306		24		0	120	7.9		0.04	
13	9-19/1200	3.3	0.27	8.8	8.2	17.0	17.0	306		33		0	135	8.2		0.04	
14	9-19/1105	4.0	0.34	8.8	8.1	17.0	17.0										
15	9-19/0100	3.2	0.24														
16	9-19/1250	1.8	0.24														
17	9-19/1140	2.3	0.34	8.8	8.1	17.0	16.5	361		27		0	135	8.1		0.08	
18	9-19/1125	3.3	0.34														
19	9-26/0945	4.6	0.18	8.4	7.3	19.5	18.5	286		50		0	135	8.3		0.1	
20	9-26/1015	5.5	0.21	8.3	6.0	19.0	17.0	270		38		0	135	8.1		0.05	
21																	
22																	

TABLE E-6

PHYSICOCHEMICAL MEASUREMENTS OF LAKE ERIE WATER
AT LOCUST POINT, OHIO

2 November 1973

Data Period

Sta	Date/Time	Depth (m)	Trans (m)	DO (ppm)		Temp (C°)		Cond (μ mho/cm)		Turbid JTU		Alk (ppm)		pH		OrthoPhos- phate (ppm)	
				S	B	S	B	S	B	S	B	S	B	S	B		
1	11/2-1500	1.2	0.15	10.6	10.8	10.0	10.0										
2	11-2/1440	1.9	0.18	10.2	10.8	10.5	10.0										
3	11-2/1420	3.0	0.18	10.6	10.4	10.0	10.0										
4	11-2/1355	3.8	0.18	10.2	8.8	10.0	10.0										
5	11-7/1245	1.5	0.15	12.6	12.4	5.0	5.0	320		52				7.5		0.07	
6	11-7/1230	1.9	0.18	13.6	13.4	5.0	5.0										
7	11-7/1215	3.6	0.18	14.6	14.2	6.0	6.0	310		32				7.6		0.15	
8	11-7/1130	4.0	0.30	14.2	13.2	6.0	6.0										
9	11-7/1100	4.2	0.24	12.4	11.2	6.0	6.0	270		37				7.8		0.05	
10	11-2/1145	1.5	0.15	11.0	10.8	10.0	10.0										
11	11-2/1200	2.0	0.18	10.8	11.0	10.0	10.0										
12	11-2/1215	2.8	0.15	11.0	11.0	10.0	10.0										
13	11-2/1250	3.2	0.21	10.8	10.0	10.0	10.0										
14	11-2/1100	4.1	0.30	10.8	10.6	10.0	10.0										
15	11-2/1320	3.0	0.18	10.8	10.6	10.5	9.5										
16	11-2/1300	1.9	0.15	10.2	10.6	10.5	10.0										
17	11-2/1125	2.0	0.18	11.2	11.0	10.0	10.0										
18	11-2/1135	3.1	0.30	11.6	11.8	10.0	9.8										
19	11-7/1345	4.0	0.27	11.8	11.2	7.0	7.0	370		36				7.5		0.07	
20	11-7/1400	5.4	0.24	11.0	10.4	7.0	7.0	380		34				7.7		0.05	
21																	
22																	

TABLE E-7

PHYSICOCHEMICAL MEASUREMENTS OF LAKE ERIE WATER
AT LOCUST POINT, OHIO

4 December 1973

Data Period

Sta	Date/Time	Depth (m)	Trans (m)	DO (ppm)		Temp (C°)		Cond (umho/cm)		Turbid JTU		Alk (ppm)		pH		Sul- fate	Ortho- Phos- phate
				S	B	S	B	S	B	S	B	pheno	total	S	B		
1	12-4/	1.6	1.2	11.0		6.0	6.0	370		17		0	85	7.5		1.0	0.05
2																	
3	12-4/1045	3.1	1.6					340		15		0	105	7.4		2.6	0.05
4																	
5	12-4/	1.9	1.5							15		0	105	7.4		1.2	0.15
6																	
7	12-4/	3.2	2.0					310		14		0	120	7.4		2.7	0.07
8																	
9	12-4/	4.5	2.5	10.0	11.0	6.0	6.0	300		10		0	105	7.5		4.1	0.2
10	12-4/	1.5	1.5					360		17		0	135	7.5		0.8	0.35
11																	
12																	
13	12-4/1300	3.2	1.6	11.0	11.0	6.0	6.0	380		16		0	105	7.4		2.8	0.25
14																	
15																	
16																	
17	12-4/	1.9	1.5					370		14		0	120	7.6		1.3	0.17
18																	
19	12-4/	4.2	1.1					340		22		0	120	7.3		3.8	0.05
20	12-4/	5.6	1.0					350		25		0	135	7.2		5.1	0.05
21																	
22																	

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Appendix A-E

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A: Benthos populations at
Locust Point pp. 55-97

B: Zooplankton populations ... pp. 98-120

C: Phytoplankton populations ... pp. 121-128

D: Fish Populations ... pp. 129-137

E: Water Chemistry ... pp. 138-145