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Diagnostic Study of Lake Sawyer

March 1991

APPENDIX C

**Lake Sawyer
Zooplankton**

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LAKE SAWYER ZOOPLANKTON

Copepods

DIAPTOMUS OREGONENSIS (Skistodiaptomus oregonensis)
EPISCHURA NEVADENSIS
CYCLOPS BICUSPIDATUS Thomasii
ORTHO CYCLOPS MODESTUS

Cladocera

DAPHNIA PULICARIA (could be D. pulex need adult males to be sure)
DAPHNIA THORATA
DAPHNIA GALEATA

DIAPHANOSOMA BIRGEI (D. leuchtenbergianum)

BOSMINA LONGIROSTRIS

CERIODAPHNIA LACUSTRIS
CERIODAPHNIA RETICULATA

CHYDORUS SPHAERICUS (Littoral species)

Rotifera

KERATELLA COCHLEARIS
KERATELLA EARLINA
KERATELLA QUADRATA
KELLICOTTIA LONGISPINA
KELLICOTTIA BOSTONIENSIS
POLYARTHRA VULGARIS GROUP
CONOCHILUS UNICORNIS
CONOCHILUS HIPPOCREPIS
TRICHOCERCA CYCLINDRICA
TRICHOCERCA ROUSELETTI
SYNCHAETA PECTINATA
SYNCHAETA SPECIES
SYNCHAETA STYLATA
GASTROPUS STYLIFER
POMPHOLOX COMPLANATA
ASPLANCHNA PRIODONTA
HEXARTHRA MIRA
FILINIA SPP
COLLOTHECA PELAGICA
NOTHOLCA SQUAMULA
NOTHOLCA ACUMINATA
MONOSTYLA (LITTORAL)
ASCHOMORPHA OVALIS (CHROMOGASTER OVALIS)
ASCOMORPHELLA VOLVOCICOLA (preditory on volvox)

CILIATE PROTOZOA

LAKE SAWYER ZOOPLANKTON

DATE: 5/1/89 DAY: 121 LITER: 62.3
 NET: 20 DEPTH: 0 TO 0
 REV: 1 STATION: STATION #4 4-0,4-
 CODE: SPECIES

STAGE	DIL	NUM	ORG/ <i>liter</i>
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	1.0000	0.	0.000
06 FEMALES (ADULT)	1.0000	1.	0.016
04 COPEPODIDS (IMMATURE)	1.0000	0.	0.000
03 NAUPLII	1.0000	7.	0.113
02 EGGS	1.0000	24.	0.387
EGGS PER FEMALE 24.00			
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	1.0000	0.	0.000
06 FEMALES (ADULT)	1.0000	0.	0.000
04 COPEPODIDS (IMMATURE)	1.0000	0.	0.000
03 NAUPLII	1.0000	0.	0.000
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	1.0000	3.	0.048
03 NAUPLII	1.0000	5.	0.081
71 DAPHNIA PULICARIA			
14 IMMATURE FEMALES	1.0000	0.	0.000
55 DAPHNIA GALEATA			
14 IMMATURE FEMALES	1.0000	0.	0.000
84 CHYDORUS SPHAERICUS			
12 TOTAL FEMALES(MATURE+IMMA	1.0000	1.	0.016
EGGS PER FEMALE 0.00			
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES(MATURE+IMMA	1.0000	0.	0.000
B4 KERATELLA COCH & EARLINA			
12 TOTAL FEMALES(MATURE+IMMA	1.0000	1.	0.016
EGGS PER FEMALE 0.00			
20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES(MATURE+IMMA	1.0000	2.	0.032
EGGS PER FEMALE 0.00			
23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES(MATURE+IMMA	1.0000	20.	0.323
02 EGGS	1.0000	1.	0.016
EGGS PER FEMALE 0.05			
24 SYNCHAETA STYLATA			
12 TOTAL FEMALES(MATURE+IMMA	1.0000	1.	0.016
EGGS PER FEMALE 0.00			
32 NOTHOLCA SQUAMULA			
12 TOTAL FEMALES(MATURE+IMMA	1.0000	1.	0.016
EGGS PER FEMALE 0.00			
C3 ASPLANCHNA PRIODONTA			
12 TOTAL FEMALES(MATURE+IMMA	1.0000	2.	0.032
EGGS PER FEMALE 0.00			

C1 MITE			
00 UNDEFINED LIFE STAGE	1.0000	1.	0.016

TOTAL DIAPTOMUS COP/L	0.02
TOTAL EPISCHURA COP/L	0.000
TOTAL DAPHNIA FEM-ALL SPECIES	0.000
TOTAL DAPHNIA MAT FEM/L	0.000
TOTAL DAPHNIA EGGS/L	0.000
TOT DAPHNIA EGGS/MAT FEMALE	0.000

LAKE SAWYER ZOOPLANKTON

DATE: 5/22/89 DAY: 142 LITER: 62.3
 NET: 20 DEPTH: 0 TO 0
 REV: 1 STATION: STATION #4
 CODE: SPECIES

STAGE	DIL	NUM	ORG/SAMPLE
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	0.1500	1.	0.108
06 FEMALES (ADULT)	0.1500	6.	0.645
04 COPEPODIDS (IMMATURE)	0.1500	18.	1.935
03 NAUPLII	0.1000	8.	1.290
02 EGGS	0.1500	55.	5.914
EGGS PER FEMALE		9.17	
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	0.1500	0.	0.000
06 FEMALES (ADULT)	0.1500	0.	0.000
04 COPEPODIDS (IMMATURE)	0.1500	0.	0.000
03 NAUPLII	0.1500	0.	0.000
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.1500	103.	11.075
03 NAUPLII	0.1000	20.	3.226
02 EGGS	0.1500	159.	17.097
EGGS PRESENT, FEMALES NOT SEPARATED			
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	0.1500	29.	3.118
14 IMMATURE FEMALES	0.1500	196.	21.075
02 EGGS	0.1500	18.	1.935
EGGS PER FEMALE		0.62	
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	0.1500	6.	0.645
14 IMMATURE FEMALES	0.1500	13.	1.398
02 EGGS	0.1500	15.	1.613
EGGS PER FEMALE		2.50	
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	0.1500	5.	0.538
14 IMMATURE FEMALES	0.1500	35.	3.763
02 EGGS	0.1500	9.	0.968
EGGS PER FEMALE		1.80	
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES (MATURE+IMMA)	0.1500	44.	4.731
02 EGGS	0.1500	13.	1.398
EGGS PER FEMALE		0.30	
B4 KERATELLA COCH & EARLINA			
02 EGGS	0.1000	81.	13.065
EGGS PRESENT, FEMALES NOT SEPARATED	0.1000	4.	0.645
20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES (MATURE+IMMA)	0.1000	59.	9.516
EGGS PER FEMALE		0.00	
23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES (MATURE+IMMA)	0.1000	3.	0.484
02 EGGS	0.1000	0.	0.000

EGGS PER FEMALE	0.00		
27 CONOCHILUS HIPPOCREPIS			
12 TOTAL FEMALES(MATURE+IMMA	0.1000	3.	0.484
EGGS PER FEMALE	0.00		
25 SYNCHAETA SPECIES			
12 TOTAL FEMALES(MATURE+IMMA	0.1000	4.	0.645
EGGS PER FEMALE	0.00		
73 ASCHOMORPHA OVALIS (CHROM			
12 TOTAL FEMALES(MATURE+IMMA	0.1000	2.	0.323
EGGS PER FEMALE	0.00		
35 GASTROPUS STYLIFER			
12 TOTAL FEMALES(MATURE+IMMA	0.1000	52.	8.387
EGGS PER FEMALE	0.00		
A9 HYDRA			
12 TOTAL FEMALES(MATURE+IMMA	0.1000	23.	3.710
EGGS PER FEMALE	0.00		
TOTAL DIAPTOMUS COP/L	2.69		
TOTAL EPISCHURA COP/L	0.000		
TOTAL DAPHNIA FEM-ALL SPECIES	30.538		
TOTAL DAPHNIA MAT FEM/L	4.301		
TOTAL DAPHNIA EGGS/L	4.516		
TOT DAPHNIA EGGS/MAT FEMALE	1.050		

LAKE SAWYER ZOOPLANKTON

DATE: 6/12/89 DAY: 163 LITER: 62.3
 NET: 20 DEPTH: 0 TO 0
 REV: 1 STATION: STATION #4
 CODE: SPECIES

STAGE	DIL	NUM	ORG/SAMPLE
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	0.1250	1.	0.129
06 FEMALES (ADULT)	0.1250	1.	0.129
04 COPEPODIDS (IMMATURE)	0.1250	7.	0.903
03 NAUPLII	0.1250	31.	4.000
02 EGGS	0.1250	18.	2.323
EGGS PER FEMALE		18.00	
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	0.1250	0.	0.000
06 FEMALES (ADULT)	0.1250	0.	0.000
04 COPEPODIDS (IMMATURE)	0.1250	0.	0.000
03 NAUPLII	0.1250	0.	0.000
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.1250	83.	10.710
03 NAUPLII	0.1250	47.	6.065
02 EGGS	0.1250	65.	8.387
EGGS PRESENT, FEMALES NOT SEPARATED			
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	0.1250	27.	3.484
14 IMMATURE FEMALES	0.1250	183.	23.613
02 EGGS	0.1250	26.	3.355
EGGS PER FEMALE		0.96	
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	0.1250	6.	0.774
14 IMMATURE FEMALES	0.1250	28.	3.613
02 EGGS	0.1250	2.	0.258
EGGS PER FEMALE		0.33	
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	0.1250	3.	0.387
14 IMMATURE FEMALES	0.1250	14.	1.806
02 EGGS	0.1250	6.	0.774
EGGS PER FEMALE		2.00	
09 DIAPHANOSOMA BIRGEI			
12 TOTAL FEMALES(MATURE+IMMA)	0.1250	1.	0.129
02 EGGS	0.1250	0.	0.000
EGGS PER FEMALE		0.00	
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.1250	42.	5.419
02 EGGS	0.1250	6.	0.774
EGGS PER FEMALE		0.14	
B4 KERATELLA COCH & EARLINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1250	81.	10.452
02 EGGS	0.1250	4.	0.516
EGGS PER FEMALE		0.05	
20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1250	111.	14.323

EGGS PER FEMALE	0.00		
23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES(MATURE+IMMA)	0.1250	4.	0.516
02 EGGS	0.1250	1.	0.129
EGGS PER FEMALE	0.25		
27 CONOCHILUS HIPPOCREPIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.1250	9.	1.161
EGGS PER FEMALE	0.00		
19 KERATELLA QUADRATA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1250	1.	0.129
02 EGGS	0.1250	0.	0.000
EGGS PER FEMALE	0.00		
29 COLLOTHECA PELAGICA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1250	1.	0.129
02 EGGS	0.1250	1.	0.129
EGGS PER FEMALE	1.00		
25 SYNCHAETA SPECIES			
12 TOTAL FEMALES(MATURE+IMMA)	0.1250	89.	11.484
EGGS PER FEMALE	0.00		
B3 ASPLANCHNA PRIODONTA(SAWY)			
12 TOTAL FEMALES(MATURE+IMMA)	0.1250	30.	3.871
EGGS PER FEMALE	0.00		
B5 ASCOMORPHELLA (IN VOLVOX)			
12 TOTAL FEMALES(MATURE+IMMA)	0.1250	1.	0.129
EGGS PER FEMALE	0.00		
39 CHYDORIDAE SPECIES			
12 TOTAL FEMALES(MATURE+IMMA)	0.1250	1.	0.129
EGGS PER FEMALE	0.00		
TOTAL DIAPTOMUS COP/L	1.16		
TOTAL EPISCHURA COP/L	0.000		
TOTAL DAPHNIA FEM-ALL SPECIES	33.677		
TOTAL DAPHNIA MAT FEM/L	4.645		
TOTAL DAPHNIA EGGS/L	4.387		
TOT DAPHNIA EGGS/MAT FEMALE	0.944		

LAKE SAWYER ZOOPLANKTON

DATE: 7/10/89 DAY: 191 LITER: 62.3
 NET: 20 DEPTH: 0 TO 0
 REV: 1 STATION: STATION #4
 CODE: SPECIES

STAGE	DIL	NUM	ORG/SAMPLE
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	0.2500	8.	0.516
06 FEMALES (ADULT)	0.2500	7.	0.452
04 COPEPODIDS (IMMATURE)	0.1667	26.	2.516
03 NAUPLII	0.1667	59.	5.710
02 EGGS	0.2500	78.	5.032
EGGS PER FEMALE		11.14	
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	0.1667	0.	0.000
06 FEMALES (ADULT)	0.1667	0.	0.000
04 COPEPODIDS (IMMATURE)	0.2500	4.	0.258
03 NAUPLII	0.1667	3.	0.290
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.2500	204.	13.161
03 NAUPLII	0.1667	96.	9.290
02 EGGS	0.2500	142.	9.161
EGGS PRESENT, FEMALES NOT SEPARATED			
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	0.2500	44.	2.839
14 IMMATURE FEMALES	0.2500	179.	11.548
02 EGGS	0.2500	36.	2.323
EGGS PER FEMALE		0.82	
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	0.2500	0.	0.000
14 IMMATURE FEMALES	0.2500	0.	0.000
02 EGGS	0.2500	0.	0.000
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	0.2500	37.	2.387
14 IMMATURE FEMALES	0.2500	78.	5.032
02 EGGS	0.2500	53.	3.419
EGGS PER FEMALE		1.43	
09 DIAPHANOSOMA BIRGEI			
12 TOTAL FEMALES(MATURE+IMMA)	0.2500	2.	0.129
02 EGGS	0.2500	0.	0.000
EGGS PER FEMALE		0.00	
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.2500	6.	0.387
02 EGGS	0.2500	5.	0.323
EGGS PER FEMALE		0.83	
B4 KERATELLA COCH & EARLINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1667	3.	0.290
02 EGGS	0.1667	0.	0.000
EGGS PER FEMALE		0.00	
20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1667	53.	5.129
02 EGGS	0.1667	10.	0.968

EGGS PER FEMALE	0.19		
23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES(MATURE+IMMA)	0.1667	3.	0.290
02 EGGS	0.2500	0.	0.000
EGGS PER FEMALE	0.00		
27 CONOCHILUS HIPPOCREPIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.1667	32.	3.097
EGGS PER FEMALE	0.00		
19 KERATELLA QUADRATA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1667	1.	0.097
02 EGGS	0.1667	1.	0.097
EGGS PER FEMALE	1.00		
25 SYNCHAETA SPECIES			
12 TOTAL FEMALES(MATURE+IMMA)	0.1667	21.	2.032
EGGS PER FEMALE	0.00		
B3 ASPLANCHNA PRIODONTA(SAWY)			
12 TOTAL FEMALES(MATURE+IMMA)	0.1667	1.	0.097
EGGS PER FEMALE	0.00		
35 GASTROPUS STYLIFER			
12 TOTAL FEMALES(MATURE+IMMA)	0.1667	7.	0.677
EGGS PER FEMALE	0.00		
TOTAL DIAPTOMUS COP/L	3.48		
TOTAL EPISCHURA COP/L	0.258		
TOTAL DAPHNIA FEM-ALL SPECIES	21.806		
TOTAL DAPHNIA MAT FEM/L	5.226		
TOTAL DAPHNIA EGGS/L	5.742		
TOT DAPHNIA EGGS/MAT FEMALE	1.099		

LAKE SAWYER ZOOPLANKTON

DATE: 7/31/89 DAY: 212 LITER: 62.3
 NET: 20 DEPTH: 0 TO 0
 REV: 1 STATION: STATION #4
 CODE: SPECIES

STAGE	DIL	NUM	ORG/SAMPLE
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	0.2000	1.	0.081
06 FEMALES (ADULT)	0.2000	0.	0.000
04 COPEPODIDS (IMMATURE)	0.2000	152.	12.258
03 NAUPLII	0.2000	63.	5.081
02 EGGS	0.2000	7.	0.565
EGGS PRESENT, FEMALES NOT SEPARATED			
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	1.0000	0.	0.000
06 FEMALES (ADULT)	1.0000	0.	0.000
04 COPEPODIDS (IMMATURE)	0.2000	3.	0.242
03 NAUPLII	0.2000	3.	0.242
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.2000	147.	11.855
03 NAUPLII	0.2000	81.	6.532
02 EGGS	0.2000	85.	6.855
EGGS PRESENT, FEMALES NOT SEPARATED			
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	0.2000	7.	0.565
14 IMMATURE FEMALES	0.2000	50.	4.032
02 EGGS	0.2000	2.	0.161
EGGS PER FEMALE 0.29			
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	0.2000	0.	0.000
14 IMMATURE FEMALES	0.2000	0.	0.000
02 EGGS	0.2000	0.	0.000
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	0.2000	4.	0.323
14 IMMATURE FEMALES	0.2000	33.	2.661
02 EGGS	0.2000	2.	0.161
EGGS PER FEMALE 0.50			
09 DIAPHANOSOMA BIRGEI			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	1.	0.081
02 EGGS	0.2000	0.	0.000
EGGS PER FEMALE 0.00			
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	2.	0.161
02 EGGS	0.2000	0.	0.000
EGGS PER FEMALE 0.00			
B4 KERATELLA COCH & EARLINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	22.	1.774
02 EGGS	0.2000	4.	0.323
EGGS PER FEMALE 0.18			
20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	510.	41.129
EGGS PER FEMALE 0.00			

23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES(MATURE+IMMA	0.2000	44.	3.548
02 EGGS	0.2000	0.	0.000
EGGS PER FEMALE	0.00		
27 CONOCHILUS HIPPOCREPIS			
12 TOTAL FEMALES(MATURE+IMMA	0.2000	764.	61.613
EGGS PER FEMALE	0.00		
19 KERATELLA QUADRATA			
12 TOTAL FEMALES(MATURE+IMMA	0.2000	2.	0.161
02 EGGS	0.2000	0.	0.000
EGGS PER FEMALE	0.00		
25 SYNCHAETA SPECIES			
12 TOTAL FEMALES(MATURE+IMMA	0.2000	26.	2.097
EGGS PER FEMALE	0.00		
35 GASTROPUS STYLIFER			
12 TOTAL FEMALES(MATURE+IMMA	0.2000	41.	3.306
EGGS PER FEMALE	0.00		
C1 MITE			
00 UNDEFINED LIFE STAGE	1.0000	1.	0.016
TOTAL DIAPTOMUS COP/L	12.34		
TOTAL EPISCHURA COP/L	0.242		
TOTAL DAPHNIA FEM-ALL SPECIES	7.581		
TOTAL DAPHNIA MAT FEM/L	0.887		
TOTAL DAPHNIA EGGS/L	0.323		
TOT DAPHNIA EGGS/MAT FEMALE	0.364		

LAKE SAWYER ZOOPLANKTON

DATE: 8/21/89 DAY: 233 LITER: 62.3
 NET: 20 DEPTH: 0 TO 0
 REV: 1 STATION: STATION #4
 CODE: SPECIES

STAGE	DIL	NUM	ORG/SAMPLE
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	0.4000	19.	0.766
06 FEMALES (ADULT)	0.4000	24.	0.968
04 COPEPODIDS (IMMATURE)	0.4000	146.	5.887
03 NAUPLII	0.4000	21.	0.847
02 EGGS	0.4000	57.	2.298
EGGS PER FEMALE		2.38	
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	1.0000	1.	0.016
06 FEMALES (ADULT)	1.0000	2.	0.032
04 COPEPODIDS (IMMATURE)	0.4000	3.	0.121
03 NAUPLII	0.4000	0.	0.000
EGGS PER FEMALE		0.00	
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.4000	84.	3.387
03 NAUPLII	0.4000	10.	0.403
02 EGGS	0.4000	134.	5.403
EGGS PRESENT, FEMALES NOT SEPARATED			
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	0.4000	21.	0.847
14 IMMATURE FEMALES	0.4000	76.	3.065
02 EGGS	0.4000	14.	0.565
EGGS PER FEMALE		0.67	
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	0.4000	0.	0.000
14 IMMATURE FEMALES	0.4000	0.	0.000
02 EGGS	0.4000	0.	0.000
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	0.4000	2.	0.081
14 IMMATURE FEMALES	0.4000	11.	0.444
02 EGGS	0.4000	0.	0.000
EGGS PER FEMALE		0.00	
09 DIAPHANOSOMA BIRGEI			
12 TOTAL FEMALES(MATURE+IMMA)	0.4000	0.	0.000
02 EGGS	0.4000	0.	0.000
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.4000	2.	0.081
02 EGGS	0.4000	1.	0.040
EGGS PER FEMALE		0.50	
B4 KERATELLA COCH & EARLINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.4000	0.	0.000
02 EGGS	0.4000	0.	0.000
20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.4000	491.	19.798
02 EGGS	0.4000	51.	2.056
EGGS PER FEMALE		0.10	

23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES(MATURE+IMMA	0.4000	0.	0.000
02 EGGS	0.4000	0.	0.000
27 CONOCHILUS HIPPOCREPIS			
12 TOTAL FEMALES(MATURE+IMMA	0.4000	320.	12.903
EGGS PER FEMALE 0.00			
24 SYNCHAETA STYLATA			
12 TOTAL FEMALES(MATURE+IMMA	0.4000	2.	0.081
EGGS PER FEMALE 0.00			
TOTAL DIAPTOMUS COP/L	7.62		
TOTAL EPISCHURA COP/L	0.169		
TOTAL DAPHNIA FEM-ALL SPECIES	4.435		
TOTAL DAPHNIA MAT FEM/L	0.927		
TOTAL DAPHNIA EGGS/L	0.565		
TOT DAPHNIA EGGS/MAT FEMALE	0.609		

LAKE SAWYER ZOOPLANKTON

DATE: 11 SEPT 89 DAY: 254 LITER: 62.3
 NET: 20 DEPTH: 0 TO 6
 REV: 1 STATION: STATION #4
 CODE: SPECIES

STAGE	DIL	NUM	ORG/SAMPLE
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	0.3571	36.	1.626
06 FEMALES (ADULT)	0.3571	28.	1.265
04 COPEPODIDS (IMMATURE)	0.3571	75.	3.387
03 NAUPLII	0.3571	52.	2.348
02 EGGS	0.3571	51.	2.303
EGGS PER FEMALE		1.82	
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	1.0000	2.	0.032
06 FEMALES (ADULT)	1.0000	2.	0.032
04 COPEPODIDS (IMMATURE)	0.3571	1.	0.045
03 NAUPLII	0.3571	0.	0.000
EGGS PER FEMALE		0.00	
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.3571	40.	1.806
03 NAUPLII	0.3571	44.	1.987
02 EGGS	0.3571	173.	7.813
EGGS PRESENT, FEMALES NOT SEPARATED			
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	0.3571	13.	0.587
14 IMMATURE FEMALES	0.3571	26.	1.174
02 EGGS	0.3571	18.	0.813
EGGS PER FEMALE		1.38	
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	0.3571	1.	0.045
14 IMMATURE FEMALES	0.3571	0.	0.000
02 EGGS	0.3571	0.	0.000
EGGS PER FEMALE		0.00	
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	0.3571	3.	0.135
14 IMMATURE FEMALES	0.3571	7.	0.316
02 EGGS	0.3571	7.	0.316
EGGS PER FEMALE		2.33	
09 DIAPHANOSOMA BIRGEI			
12 TOTAL FEMALES (MATURE+IMMA)	0.3571	0.	0.000
02 EGGS	0.3571	0.	0.000
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES (MATURE+IMMA)	0.3571	10.	0.452
02 EGGS	0.3571	9.	0.406
EGGS PER FEMALE		0.90	
B4 KERATELLA COCH & EARLINA			
12 TOTAL FEMALES (MATURE+IMMA)	0.3571	0.	0.000
02 EGGS	0.3571	0.	0.000
20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES (MATURE+IMMA)	0.3571	590.	26.645
02 EGGS	0.3571	56.	2.529

EGGS PER FEMALE	0.09		
23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES(MATURE+IMMA)	0.3571	2.	0.090
02 EGGS	0.3571	0.	0.000
EGGS PER FEMALE	0.00		
26 CONOCHILUS UNICORNIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.3571	10.	0.452
EGGS PER FEMALE	0.00		
27 CONOCHILUS HIPPOCREPIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.3571	480.	21.677
EGGS PER FEMALE	0.00		
B1 TRICHOCERCA CYCLINDRICA			
12 TOTAL FEMALES(MATURE+IMMA)	0.3571	97.	4.381
EGGS PER FEMALE	0.00		
24 SYNCHAETA STYLATA			
12 TOTAL FEMALES(MATURE+IMMA)	0.3571	1.	0.045
EGGS PER FEMALE	0.00		
B3 ASPLANCHNA PRIODONTA(SAWY)			
12 TOTAL FEMALES(MATURE+IMMA)	0.3571	1.	0.045
EGGS PER FEMALE	0.00		
35 GASTROPUS STYLIFER			
12 TOTAL FEMALES(MATURE+IMMA)	0.3571	26.	1.174
EGGS PER FEMALE	0.00		
39 CHYDORIDAE SPECIES			
12 TOTAL FEMALES(MATURE+IMMA)	0.3571	2.	0.090
02 EGGS	0.3571	2.	0.090
EGGS PER FEMALE	1.00		
A5 OSTRACOD			
00 UNDEFINED LIFE STAGE	0.3571	1.	0.045
TOTAL DIAPTOMUS COP/L	6.28		
TOTAL EPISCHURA COP/L	0.110		
TOTAL DAPHNIA FEM-ALL SPECIES	2.258		
TOTAL DAPHNIA MAT FEM/L	0.768		
TOTAL DAPHNIA EGGS/L	1.129		
TOT DAPHNIA EGGS/MAT FEMALE	1.471		

LAKE SAWYER ZOOPLANKTON

DATE: 02 OCT 89 DAY: 275 LITER: 62.3
 NET: 20 DEPTH: 0 TO 6
 REV: 1 STATION: STATION #4
 CODE: SPECIES

STAGE	DIL	NUM	ORG/SAMPLE
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	0.2000	4.	0.323
06 FEMALES (ADULT)	0.2000	9.	0.726
04 COPEPODIDS (IMMATURE)	0.2000	25.	2.016
03 NAUPLII	0.1000	28.	4.516
02 EGGS	0.2000	64.	5.161
EGGS PER FEMALE		7.11	
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	0.2000	0.	0.000
06 FEMALES (ADULT)	0.2000	0.	0.000
04 COPEPODIDS (IMMATURE)	0.2000	0.	0.000
03 NAUPLII	0.1000	1.	0.161
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.2000	118.	9.516
03 NAUPLII	0.1000	96.	15.484
02 EGGS	0.2000	253.	20.403
EGGS PRESENT, FEMALES NOT SEPARATED			
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	0.2000	15.	1.210
14 IMMATURE FEMALES	0.2000	70.	5.645
02 EGGS	0.2000	12.	0.968
EGGS PER FEMALE		0.80	
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	0.2000	0.	0.000
14 IMMATURE FEMALES	0.2000	1.	0.081
02 EGGS	0.2000	0.	0.000
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	0.2000	4.	0.323
14 IMMATURE FEMALES	0.2000	25.	2.016
02 EGGS	0.2000	4.	0.323
EGGS PER FEMALE		1.00	
09 DIAPHANOSOMA BIRGEI			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	41.	3.306
02 EGGS	0.2000	13.	1.048
15 TOTAL MALES (MATURE + IMM)	0.2000	1.	0.081
EGGS PER FEMALE		0.32	
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	114.	9.194
02 EGGS	0.2000	28.	2.258
EGGS PER FEMALE		0.25	
97 CERIODAPHNIA LACUSTRIS			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	1.	0.081
02 EGGS	0.2000	4.	0.323
EGGS PER FEMALE		4.00	
B6 CERIODAPHNIA RETICULATA			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	25.	2.016

02 EGGS	0.2000	21.	1.694
EGGS PER FEMALE 0.84			
B4 KERATELLA COCH & EARLINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	24.	3.871
02 EGGS	0.1000	4.	0.645
EGGS PER FEMALE 0.17			
20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	45.	7.258
02 EGGS	0.1000	9.	1.452
EGGS PER FEMALE 0.20			
23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	14.	2.258
02 EGGS	0.1000	2.	0.323
EGGS PER FEMALE 0.14			
27 CONOCHILUS HIPPOCREPIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	18.	2.903
EGGS PER FEMALE 0.00			
B1 TRICHOCERCA CYCLINDRICA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	28.	4.516
EGGS PER FEMALE 0.00			
21 KELLICOTTIA BOSTONIENSIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	3.	0.484
EGGS PER FEMALE 0.00			
35 GASTROPUS STYLIFER			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	17.	2.742
EGGS PER FEMALE 0.00			
B3 ASPLANCHNA PRIODONTA(SAWY)			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	4.	0.323
EGGS PER FEMALE 0.00			
49 HEXARTHRA MIRA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	1.	0.161
EGGS PER FEMALE 0.00			
TOTAL DIAPTOMUS COP/L	3.06		
TOTAL EPISCHURA COP/L	0.000		
TOTAL DAPHNIA FEM-ALL SPECIES	9.274		
TOTAL DAPHNIA MAT FEM/L	1.532		
TOTAL DAPHNIA EGGS/L	1.290		
TOT DAPHNIA EGGS/MAT FEMALE	0.842		

LAKE SAWYER ZOOPLANKTON

DATE: 23 OCT 89 DAY: 296 LITER: 62.3
 NET: 20 DEPTH: 0 TO 0
 REV: 1 STATION: STATION #4
 CODE: SPECIES

STAGE	DIL	NUM	ORG/SAMPLE
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	0.2000	1.	0.081
06 FEMALES (ADULT)	0.2000	2.	0.161
04 COPEPODIDS (IMMATURE)	0.2000	7.	0.565
03 NAUPLII	0.2000	58.	4.677
02 EGGS	0.2000	0.	0.000
EGGS PER FEMALE		0.00	
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	1.0000	0.	0.000
06 FEMALES (ADULT)	1.0000	0.	0.000
04 COPEPODIDS (IMMATURE)	1.0000	0.	0.000
03 NAUPLII	0.2000	0.	0.000
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.2000	172.	13.871
03 NAUPLII	0.2000	442.	35.645
02 EGGS	0.2000	259.	20.887
EGGS PRESENT, FEMALES NOT SEPARATED			
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	0.2000	9.	0.726
14 IMMATURE FEMALES	0.2000	6.	0.484
02 EGGS	0.2000	16.	1.290
EGGS PER FEMALE		1.78	
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	0.2000	0.	0.000
14 IMMATURE FEMALES	0.2000	0.	0.000
02 EGGS	0.2000	0.	0.000
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	0.2000	4.	0.323
14 IMMATURE FEMALES	0.2000	3.	0.242
02 EGGS	0.2000	20.	1.613
EGGS PER FEMALE		5.00	
09 DIAPHANOSOMA BIRGEI			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	5.	0.403
02 EGGS	0.2000	6.	0.484
15 TOTAL MALES (MATURE + IMM)	0.2000	2.	0.161
EGGS PER FEMALE		1.20	
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	75.	6.048
02 EGGS	0.2000	49.	3.952
EGGS PER FEMALE		0.65	
97 CERIODAPHNIA LACUSTRIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	3.	0.242
02 EGGS	0.2000	1.	0.081
EGGS PER FEMALE		0.33	
B6 CERIODAPHNIA RETICULATA			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	18.	1.452

02 EGGS	0.2000	4.	0.323
EGGS PER FEMALE 0.22			
B4 KERATELLA COCH & EARLINA			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	19.	1.532
02 EGGS	0.2000	7.	0.565
EGGS PER FEMALE 0.37			
20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	29.	2.339
02 EGGS	0.2000	4.	0.323
EGGS PER FEMALE 0.14			
23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	221.	17.823
02 EGGS	0.2000	8.	0.645
EGGS PER FEMALE 0.04			
27 CONOCHILUS HIPPOCREPIS			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	66.	5.323
EGGS PER FEMALE 0.00			
19 KERATELLA QUADRATA			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	1.	0.081
EGGS PER FEMALE 0.00			
B1 TRICHOCERCA CYCLINDRICA			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	19.	1.532
EGGS PER FEMALE 0.00			
21 KELLICOTTIA BOSTONIENSIS			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	111.	8.952
02 EGGS	0.2000	7.	0.565
EGGS PER FEMALE 0.06			
35 GASTROPUS STYLIFER			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	12.	0.968
EGGS PER FEMALE 0.00			
TOTAL DIAPTOMUS COP/L	0.81		
TOTAL EPISCHURA COP/L	0.000		
TOTAL DAPHNIA FEM-ALL SPECIES	1.774		
TOTAL DAPHNIA MAT FEM/L	1.048		
TOTAL DAPHNIA EGGS/L	2.903		
TOT DAPHNIA EGGS/MAT FEMALE	2.769		

LAKE SAWYER ZOOPLANKTON

DATE: 11-13-89 DAY: 317 LITER: 93.48
 NET: 20 DEPTH: 0 TO 9
 REV: 1 STATION: STATION #4
 CODE: SPECIES

STAGE	DIL	NUM	ORG/SAMPLE
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	0.3636	2.	0.059
06 FEMALES (ADULT)	0.3636	0.	0.000
04 COPEPODIDS (IMMATURE)	0.3636	2.	0.059
03 NAUPLII	0.1818	3.	0.177
02 EGGS	0.3636	0.	0.000
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	1.0000	0.	0.000
06 FEMALES (ADULT)	1.0000	0.	0.000
04 COPEPODIDS (IMMATURE)	1.0000	0.	0.000
03 NAUPLII	0.1818	1.	0.059
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.3636	222.	6.565
03 NAUPLII	0.1818	118.	6.978
02 EGGS	0.3636	228.	6.742
EGGS PRESENT, FEMALES NOT SEPARATED			
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	0.3636	7.	0.207
14 IMMATURE FEMALES	0.3636	8.	0.237
02 EGGS	0.3636	2.	0.059
EGGS PER FEMALE		0.29	
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	0.3636	0.	0.000
14 IMMATURE FEMALES	0.3636	0.	0.000
02 EGGS	0.3636	0.	0.000
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	0.3636	18.	0.532
14 IMMATURE FEMALES	0.3636	28.	0.828
02 EGGS	0.3636	18.	0.532
EGGS PER FEMALE		1.00	
09 DIAPHANOSOMA BIRGEI			
12 TOTAL FEMALES (MATURE+IMMA)	0.3636	0.	0.000
02 EGGS	0.3636	0.	0.000
15 TOTAL MALES (MATURE + IMM)	0.3636	0.	0.000
84 CHYDORUS SPHAERICUS			
12 TOTAL FEMALES (MATURE+IMMA)	0.3636	2.	0.059
EGGS PER FEMALE		0.00	
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES (MATURE+IMMA)	0.3636	232.	6.860
02 EGGS	0.3636	149.	4.406
EGGS PER FEMALE		0.64	
97 CERIODAPHNIA LACUSTRIS			
12 TOTAL FEMALES (MATURE+IMMA)	0.1818	1.	0.059
02 EGGS	0.1818	3.	0.177
EGGS PER FEMALE		3.00	

B6 CERIODAPHNIA RETICULATA			
12 TOTAL FEMALES (MATURE+IMMA)	0.1818	5.	0.296
02 EGGS	0.1818	11.	0.651
EGGS PER FEMALE	2.20		
B4 KERATELLA COCH & EARLINA			
12 TOTAL FEMALES (MATURE+IMMA)	0.1818	29.	1.715
02 EGGS	0.1818	6.	0.355
EGGS PER FEMALE	0.21		
20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES (MATURE+IMMA)	0.1818	5.	0.296
02 EGGS	0.1818	0.	0.000
EGGS PER FEMALE	0.00		
23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES (MATURE+IMMA)	0.1818	233.	13.780
02 EGGS	0.1818	5.	0.296
EGGS PER FEMALE	0.02		
27 CONOCHILUS HIPPOCREPIS			
12 TOTAL FEMALES (MATURE+IMMA)	0.1818	41.	2.425
EGGS PER FEMALE	0.00		
B1 TRICHOCERCA CYCLINDRICA			
12 TOTAL FEMALES (MATURE+IMMA)	0.1818	1.	0.059
EGGS PER FEMALE	0.00		
B2 TRICHOCERCA ROUSELETTI			
12 TOTAL FEMALES (MATURE+IMMA)	0.1818	5.	0.296
EGGS PER FEMALE	0.00		
21 KELLICOTTIA BOSTONIENSIS			
12 TOTAL FEMALES (MATURE+IMMA)	0.1818	3.	0.177
EGGS PER FEMALE	0.00		
35 GASTROPUS STYLIFER			
12 TOTAL FEMALES (MATURE+IMMA)	0.1818	1.	0.059
EGGS PER FEMALE	0.00		
70 MONOSTYLA			
12 TOTAL FEMALES (MATURE+IMMA)	0.1818	1.	0.059
EGGS PER FEMALE	0.00		
TOTAL DIAPTOMUS COP/L	0.12		
TOTAL EPISCHURA COP/L	0.000		
TOTAL DAPHNIA FEM-ALL SPECIES	1.804		
TOTAL DAPHNIA MAT FEM/L	0.739		
TOTAL DAPHNIA EGGS/L	0.591		
TOT DAPHNIA EGGS/MAT FEMALE	0.800		

LAKE SAWYER ZOOPLANKTON

DATE: 12/11/89 DAY: 345 LITER: 93.48
 NET: 20 DEPTH: 0 TO 9
 REV: 1 STATION: STATION #4
 CODE: SPECIES

STAGE	DIL	NUM	ORG/SAMPLE
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	1.0000	1.	0.011
06 FEMALES (ADULT)	1.0000	2.	0.022
04 COPEPODIDS (IMMATURE)	1.0000	4.	0.043
03 NAUPLII	0.1000	32.	3.441
02 EGGS	0.3000	47.	1.685
EGGS PER FEMALE		78.33	
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	1.0000	0.	0.000
06 FEMALES (ADULT)	1.0000	0.	0.000
04 COPEPODIDS (IMMATURE)	1.0000	0.	0.000
03 NAUPLII	0.1000	0.	0.000
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.3000	174.	6.237
03 NAUPLII	0.1000	170.	18.280
02 EGGS	0.3000	171.	6.129
EGGS PRESENT, FEMALES NOT SEPARATED			
B8 ORTHOCYCLOPS MODESTUS			
06 FEMALES (ADULT)	0.3000	2.	0.072
EGGS PER FEMALE		0.00	
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	1.0000	2.	0.022
14 IMMATURE FEMALES	1.0000	9.	0.097
02 EGGS	1.0000	1.	0.011
EGGS PER FEMALE		0.50	
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	0.3000	0.	0.000
14 IMMATURE FEMALES	0.3000	0.	0.000
02 EGGS	0.3000	0.	0.000
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	1.0000	2.	0.022
14 IMMATURE FEMALES	1.0000	0.	0.000
02 EGGS	1.0000	0.	0.000
EGGS PER FEMALE		0.00	
09 DIAPHANOSOMA BIRGEI			
12 TOTAL FEMALES (MATURE+IMMA)	0.3000	2.	0.072
02 EGGS	0.3000	0.	0.000
EGGS PER FEMALE		0.00	
84 CHYDORUS SPHAERICUS			
12 TOTAL FEMALES (MATURE+IMMA)	0.3000	1.	0.036
EGGS PER FEMALE		0.00	
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES (MATURE+IMMA)	0.3000	186.	6.667
02 EGGS	0.3000	97.	3.477
EGGS PER FEMALE		0.52	

97 CERIODAPHNIA LACUSTRIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.3000	3.	0.108
02 EGGS	0.3000	1.	0.036
EGGS PER FEMALE	0.33		
B6 CERIODAPHNIA RETICULATA			
12 TOTAL FEMALES(MATURE+IMMA)	0.3000	2.	0.072
02 EGGS	0.3000	2.	0.072
EGGS PER FEMALE	1.00		
B4 KERATELLA COCH & EARLINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	61.	6.559
02 EGGS	0.1000	303.	32.581
EGGS PER FEMALE	4.97		
20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	8.	0.860
02 EGGS	0.1000	2.	0.215
EGGS PER FEMALE	0.25		
23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	122.	13.118
02 EGGS	0.1000	19.	2.043
EGGS PER FEMALE	0.16		
26 CONOCHILUS UNICORNIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	19.	2.043
EGGS PER FEMALE	0.00		
B1 TRICHOCERCA CYCLINDRICA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	1.	0.108
EGGS PER FEMALE	0.00		
B2 TRICHOCERCA ROUSELETTI			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	3.	0.323
EGGS PER FEMALE	0.00		
63 SYNCHAETA PECTINATA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	8.	0.860
EGGS PER FEMALE	0.00		
73 ASCHOMORPHA OVALIS (CHROM)			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	23.	2.473
EGGS PER FEMALE	0.00		
B7 POMPHOLYX COMPLANATA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	120.	12.903
02 EGGS	0.1000	68.	7.312
EGGS PER FEMALE	0.57		
22 FILINIA SPP			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	2.	0.215
02 EGGS	0.1000	1.	0.108
EGGS PER FEMALE	0.50		
TOTAL DIAPTOMUS COP/L	0.08		
TOTAL EPISCHURA COP/L	0.000		
TOTAL DAPHNIA FEM-ALL SPECIES	0.140		
TOTAL DAPHNIA MAT FEM/L	0.043		
TOTAL DAPHNIA EGGS/L	0.011		
TOT DAPHNIA EGGS/MAT FEMALE	0.250		

LAKE SAWYER ZOOPLANKTON

DATE: 01/08/89 (JAN 8) DAY: 8 LITER: 93.48
 NET: 20 DEPTH: 0 TO 9
 REV: 1 STATION: STATION #4
 CODE: SPECIES

STAGE	DIL	NUM	ORG/SAMPLE
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	0.1818	1.	0.059
06 FEMALES (ADULT)	0.1818	1.	0.059
04 COPEPODIDS (IMMATURE)	0.1818	2.	0.118
03 NAUPLII	0.0909	6.	0.710
02 EGGS	0.1818	0.	0.000
EGGS PER FEMALE		0.00	
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	1.0000	0.	0.000
06 FEMALES (ADULT)	1.0000	0.	0.000
04 COPEPODIDS (IMMATURE)	1.0000	0.	0.000
03 NAUPLII	0.0909	0.	0.000
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.1818	236.	13.957
03 NAUPLII	0.0909	64.	7.570
02 EGGS	0.1818	52.	3.075
EGGS PRESENT, FEMALES NOT SEPARATED			
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	0.1818	21.	1.242
14 IMMATURE FEMALES	0.1818	48.	2.839
02 EGGS	0.1818	9.	0.532
EGGS PER FEMALE		0.43	
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	0.1818	0.	0.000
14 IMMATURE FEMALES	0.1818	0.	0.000
02 EGGS	0.1818	0.	0.000
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	0.1818	29.	1.715
14 IMMATURE FEMALES	0.1818	27.	1.597
02 EGGS	0.1818	12.	0.710
EGGS PER FEMALE		0.41	
09 DIAPHANOSOMA BIRGEI			
12 TOTAL FEMALES(MATURE+IMMA)	0.1818	0.	0.000
02 EGGS	0.1818	0.	0.000
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.1818	175.	10.349
02 EGGS	0.1818	41.	2.425
EGGS PER FEMALE		0.23	
97 CERIODAPHNIA LACUSTRIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.1818	2.	0.118
02 EGGS	0.1818	0.	0.000
EGGS PER FEMALE		0.00	
B6 CERIODAPHNIA RETICULATA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1818	1.	0.059
02 EGGS	0.1818	0.	0.000
EGGS PER FEMALE		0.00	

B4 KERATELLA COCH & EARLINAЕ			
12 TOTAL FEMALES(MATURE+IMMA	0.0909	330.	39.032
02 EGGS	0.0909	46.	5.441
EGGS PER FEMALE	0.14		
20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES(MATURE+IMMA	0.0909	19.	2.247
02 EGGS	0.0909	8.	0.946
EGGS PER FEMALE	0.42		
23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES(MATURE+IMMA	0.0909	92.	10.882
02 EGGS	0.0909	3.	0.355
EGGS PER FEMALE	0.03		
26 CONOCHILUS UNICORNIS			
12 TOTAL FEMALES(MATURE+IMMA	0.0909	14.	1.656
EGGS PER FEMALE	0.00		
19 KERATELLA QUADRATA			
12 TOTAL FEMALES(MATURE+IMMA	0.0909	2.	0.237
EGGS PER FEMALE	0.00		
63 SYNCHAETA PECTINATA			
12 TOTAL FEMALES(MATURE+IMMA	0.0909	14.	1.656
EGGS PER FEMALE	0.00		
25 SYNCHAETA SPECIES			
12 TOTAL FEMALES(MATURE+IMMA	0.0909	3.	0.355
EGGS PER FEMALE	0.00		
B7 POMPHOLYX COMPLANATA			
12 TOTAL FEMALES(MATURE+IMMA	0.0909	14.	1.656
02 EGGS	0.0909	6.	0.710
EGGS PER FEMALE	0.43		
35 GASTROPUS STYLIFER			
12 TOTAL FEMALES(MATURE+IMMA	0.0909	1.	0.118
EGGS PER FEMALE	0.00		
73 ASCHOMORPHA OVALIS (CHROM			
12 TOTAL FEMALES(MATURE+IMMA	0.0909	4.	0.473
EGGS PER FEMALE	0.00		
TOTAL DIAPTOMUS COP/L	0.24		
TOTAL EPISCHURA COP/L	0.000		
TOTAL DAPHNIA FEM-ALL SPECIES	7.392		
TOTAL DAPHNIA MAT FEM/L	2.957		
TOTAL DAPHNIA EGGS/L	1.242		
TOT DAPHNIA EGGS/MAT FEMALE	0.420		

LAKE SAWYER ZOOPLANKTON

DATE: 02/05/89 (FEB 5) DAY: 36 LITER: 93.48
 NET: 20 DEPTH: 0 TO 0
 REV: 1 STATION: STATION #4
 CODE: SPECIES

STAGE	DIL	NUM	ORG/SAMPLE
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	0.3333	1.	0.032
06 FEMALES (ADULT)	0.3333	3.	0.097
04 COPEPODIDS (IMMATURE)	0.3333	3.	0.097
03 NAUPLII	0.3333	13.	0.419
02 EGGS	0.3333	46.	1.484
EGGS PER FEMALE		15.33	
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	0.3333	0.	0.000
06 FEMALES (ADULT)	0.3333	0.	0.000
04 COPEPODIDS (IMMATURE)	0.3333	0.	0.000
03 NAUPLII	0.3333	3.	0.097
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.3333	180.	5.806
03 NAUPLII	0.3333	67.	2.161
02 EGGS	0.3333	0.	0.000
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	0.3333	47.	1.516
14 IMMATURE FEMALES	0.3333	72.	2.323
02 EGGS	0.3333	56.	1.806
EGGS PER FEMALE		1.19	
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	0.3333	1.	0.032
14 IMMATURE FEMALES	0.3333	16.	0.516
02 EGGS	0.3333	0.	0.000
EGGS PER FEMALE		0.00	
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	0.3333	5.	0.161
14 IMMATURE FEMALES	0.3333	18.	0.581
02 EGGS	0.3333	1.	0.032
EGGS PER FEMALE		0.20	
09 DIAPHANOSOMA BIRGEI			
12 TOTAL FEMALES(MATURE+IMMA)	0.3333	2.	0.065
02 EGGS	0.3333	2.	0.065
EGGS PER FEMALE		1.00	
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.3333	257.	8.290
02 EGGS	0.3333	35.	1.129
EGGS PER FEMALE		0.14	
97 CERIODAPHNIA LACUSTRIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.3333	2.	0.065
02 EGGS	0.3333	1.	0.032
EGGS PER FEMALE		0.50	
B4 KERATELLA COCH & EARLINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.3333	320.	10.323
02 EGGS	0.3333	11.	0.355

EGGS PER FEMALE	0.03		
20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.3333	25.	0.806
02 EGGS	0.3333	7.	0.226
EGGS PER FEMALE	0.28		
23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES(MATURE+IMMA)	0.3333	10.	0.323
02 EGGS	0.3333	0.	0.000
EGGS PER FEMALE	0.00		
26 CONOCHILUS UNICORNIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.3333	14.	0.452
EGGS PER FEMALE	0.00		
19 KERATELLA QUADRATA			
12 TOTAL FEMALES(MATURE+IMMA)	0.3333	49.	1.581
02 EGGS	0.3333	3.	0.097
EGGS PER FEMALE	0.06		
63 SYNCHAETA PECTINATA			
12 TOTAL FEMALES(MATURE+IMMA)	0.3333	23.	0.742
EGGS PER FEMALE	0.00		
B2 TRICHOCERCA ROUSELETTI			
12 TOTAL FEMALES(MATURE+IMMA)	0.3333	2.	0.065
EGGS PER FEMALE	0.00		
B7 POMPHOLYX COMPLANATA			
12 TOTAL FEMALES(MATURE+IMMA)	0.3333	7.	0.226
02 EGGS	0.3333	3.	0.097
EGGS PER FEMALE	0.43		
35 GASTROPUS STYLIFER			
12 TOTAL FEMALES(MATURE+IMMA)	0.3333	2.	0.065
EGGS PER FEMALE	0.00		
73 ASCHOMORPHA OVALIS (CHROM			
12 TOTAL FEMALES(MATURE+IMMA)	0.3333	2.	0.065
EGGS PER FEMALE	0.00		
21 KELLICOTTIA BOSTONIENSIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.3333	2.	0.065
EGGS PER FEMALE	0.00		
TOTAL DIAPTOMUS COP/L	0.23		
TOTAL EPISCHURA COP/L	0.000		
TOTAL DAPHNIA FEM-ALL SPECIES	5.129		
TOTAL DAPHNIA MAT FEM/L	1.710		
TOTAL DAPHNIA EGGS/L	1.839		
TOT DAPHNIA EGGS/MAT FEMALE	1.075		

LAKE SAWYER ZOOPLANKTON

DATE: 03/05/90 (MAR 5) DAY: 64 LITER: 93.48
 NET: 20 DEPTH: 0 TO 9
 REV: 1 STATION: STATION #4
 CODE: SPECIES

STAGE	DIL	NUM	ORG/SAMPLE
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	0.2500	1.	0.043
06 FEMALES (ADULT)	0.2500	0.	0.000
04 COPEPODIDS (IMMATURE)	0.2500	4.	0.172
03 NAUPLII	0.2500	29.	1.247
02 EGGS	0.2500	4.	0.172
EGGS PRESENT, FEMALES NOT SEPARATED			
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	0.2500	0.	0.000
06 FEMALES (ADULT)	0.2500	0.	0.000
04 COPEPODIDS (IMMATURE)	0.2500	0.	0.000
03 NAUPLII	0.2500	2.	0.086
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.2500	124.	5.333
03 NAUPLII	0.2500	267.	11.484
02 EGGS	0.2500	10.	0.430
EGGS PRESENT, FEMALES NOT SEPARATED			
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	0.2500	14.	0.602
14 IMMATURE FEMALES	0.2500	48.	2.065
02 EGGS	0.2500	27.	1.161
EGGS PER FEMALE		1.93	
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	0.2500	1.	0.043
14 IMMATURE FEMALES	0.2500	1.	0.043
02 EGGS	0.2500	4.	0.172
EGGS PER FEMALE		4.00	
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	0.2500	0.	0.000
14 IMMATURE FEMALES	0.2500	2.	0.086
02 EGGS	0.2500	0.	0.000
09 DIAPHANOSOMA BIRGEI			
12 TOTAL FEMALES(MATURE+IMMA	0.2500	0.	0.000
02 EGGS	0.2500	1.	0.043
EGGS PRESENT, FEMALES NOT SEPARATED			
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES(MATURE+IMMA	0.2500	14.	0.602
02 EGGS	0.2500	4.	0.172
EGGS PER FEMALE		0.29	
B4 KERATELLA COCH & EARLINA			
12 TOTAL FEMALES(MATURE+IMMA	0.2500	318.	13.677
02 EGGS	0.2500	89.	3.828
EGGS PER FEMALE		0.28	
20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES(MATURE+IMMA	0.2500	11.	0.473
02 EGGS	0.2500	4.	0.172

EGGS PER FEMALE	0.36		
23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES(MATURE+IMMA)	0.2500	4.	0.172
02 EGGS	0.2500	1.	0.043
EGGS PER FEMALE	0.25		
26 CONOCHILUS UNICORNIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.2500	7.	0.301
EGGS PER FEMALE	0.00		
19 KERATELLA QUADRATA			
12 TOTAL FEMALES(MATURE+IMMA)	0.2500	93.	4.000
02 EGGS	0.2500	11.	0.473
EGGS PER FEMALE	0.12		
63 SYNCHAETA PECTINATA			
12 TOTAL FEMALES(MATURE+IMMA)	0.2500	75.	3.226
EGGS PER FEMALE	0.00		
B2 TRICHOCERCA ROUSELETTI			
12 TOTAL FEMALES(MATURE+IMMA)	0.2500	10.	0.430
EGGS PER FEMALE	0.00		
B7 POMPHOLYX COMPLANATA			
12 TOTAL FEMALES(MATURE+IMMA)	0.2500	25.	1.075
02 EGGS	0.2500	1.	0.043
EGGS PER FEMALE	0.04		
21 KELLICOTTIA BOSTONIENSIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.2500	1.	0.043
EGGS PER FEMALE	0.00		
32 NOTHOLCA SQUAMULA			
12 TOTAL FEMALES(MATURE+IMMA)	0.2500	1.	0.043
EGGS PER FEMALE	0.00		
TOTAL DIAPTOMUS COP/L	0.22		
TOTAL EPISCHURA COP/L	0.000		
TOTAL DAPHNIA FEM-ALL SPECIES	2.839		
TOTAL DAPHNIA MAT FEM/L	0.645		
TOTAL DAPHNIA EGGS/L	1.333		
TOT DAPHNIA EGGS/MAT FEMALE	2.067		

LAKE SAWYER ZOOPLANKTON

DATE: 04/02/90 (APR 2) DAY: 92

LITER: 93.48

NET: 20 DEPTH: 0 TO 0

REV: 1 STATION: STATION #4

CODE: SPECIES

STAGE	DIL	NUM	ORG/SAMPLE
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	0.1875	0.	0.000
06 FEMALES (ADULT)	0.1875	1.	0.057
04 COPEPODIDS (IMMATURE)	0.1875	2.	0.115
03 NAUPLII	0.0625	3.	0.516
02 EGGS	0.1875	10.	0.573
EGGS PER FEMALE		10.00	
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	1.0000	0.	0.000
06 FEMALES (ADULT)	1.0000	0.	0.000
04 COPEPODIDS (IMMATURE)	1.0000	0.	0.000
03 NAUPLII	0.0625	2.	0.344
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.1875	106.	6.079
03 NAUPLII	0.0625	26.	4.473
02 EGGS	0.1875	107.	6.136
EGGS PRESENT, FEMALES NOT SEPARATED			
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	0.1875	3.	0.172
14 IMMATURE FEMALES	0.1875	34.	1.950
02 EGGS	0.1875	8.	0.459
EGGS PER FEMALE		2.67	
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	0.1875	0.	0.000
14 IMMATURE FEMALES	0.1875	0.	0.000
02 EGGS	0.1875	0.	0.000
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	0.1875	1.	0.057
14 IMMATURE FEMALES	0.1875	10.	0.573
02 EGGS	0.1875	0.	0.000
EGGS PER FEMALE		0.00	
09 DIAPHANOSOMA BIRGEI			
12 TOTAL FEMALES (MATURE+IMMA)	0.1875	0.	0.000
02 EGGS	0.1875	0.	0.000
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES (MATURE+IMMA)	0.1875	101.	5.792
02 EGGS	0.1875	62.	3.556
EGGS PER FEMALE		0.61	
B4 KERATELLA COCH & EARLINA			
12 TOTAL FEMALES (MATURE+IMMA)	0.0625	240.	41.290
02 EGGS	0.0625	77.	13.247
EGGS PER FEMALE		0.32	
20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES (MATURE+IMMA)	0.0625	29.	4.989
02 EGGS	0.0625	10.	1.720
EGGS PER FEMALE		0.34	

23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES(MATURE+IMMA)	0.0625	7.	1.204
02 EGGS	0.0625	0.	0.000
EGGS PER FEMALE	0.00		
26 CONOCHILUS UNICORNIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.0625	17.	2.925
EGGS PER FEMALE	0.00		
19 KERATELLA QUADRATA			
12 TOTAL FEMALES(MATURE+IMMA)	0.0625	22.	3.785
02 EGGS	0.0625	3.	0.516
EGGS PER FEMALE	0.14		
63 SYNCHAETA PECTINATA			
12 TOTAL FEMALES(MATURE+IMMA)	0.0625	45.	7.742
EGGS PER FEMALE	0.00		
25 SYNCHAETA SPECIES			
12 TOTAL FEMALES(MATURE+IMMA)	0.0625	2.	0.344
EGGS PER FEMALE	0.00		
B7 POMPHOLYX COMPLANATA			
12 TOTAL FEMALES(MATURE+IMMA)	0.0625	4.	0.688
02 EGGS	0.0625	4.	0.688
EGGS PER FEMALE	1.00		
73 ASCHOMORPHA OVALIS (CHROM			
12 TOTAL FEMALES(MATURE+IMMA)	0.0625	6.	1.032
EGGS PER FEMALE	0.00		
B2 TRICHOCERCA ROUSELETTI			
12 TOTAL FEMALES(MATURE+IMMA)	0.0625	19.	2.269
EGGS PER FEMALE	0.00		
22 FILINIA SPP			
12 TOTAL FEMALES(MATURE+IMMA)	0.0625	1.	0.172
02 EGGS	0.0625	1.	0.172
EGGS PER FEMALE	1.00		
32 NOTHOLCA SQUAMULA			
12 TOTAL FEMALES(MATURE+IMMA)	0.0625	2.	0.344
EGGS PER FEMALE	0.00		
43 CILIATE PROTOZOA			
00 UNDEFINED LIFE STAGE	0.1875	62.	3.556
B3 ASPLANCHNA PRIODONTA(SAWY			
12 TOTAL FEMALES(MATURE+IMMA)	0.1875	3.	0.172
EGGS PER FEMALE	0.00		
TOTAL DIAPTOMUS COP/L	0.17		
TOTAL EPISCHURA COP/L	0.000		
TOTAL DAPHNIA FEM-ALL SPECIES	2.753		
TOTAL DAPHNIA MAT FEM/L	0.229		
TOTAL DAPHNIA EGGS/L	0.459		
TOT DAPHNIA EGGS/MAT FEMALE	2.000		

LAKE SAWYER ZOOPLANKTON

DATE: 5/1/89 DAY: 121 LITER: 62.3
 NET: 20 DEPTH: 0 TO 0
 REV: 1 STATION: STATION #3 COMPOSI
 CODE: SPECIES

STAGE	DIL	NUM	ORG/ SAMPLE ^{liter}
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	1.0000	0.	0.000
06 FEMALES (ADULT)	1.0000	1.	0.016
04 COPEPODIDS (IMMATURE)	1.0000	0.	0.000
03 NAUPLII	1.0000	1.	0.016
02 EGGS	1.0000	0.	0.000
EGGS PER FEMALE		0.00	
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	1.0000	0.	0.000
06 FEMALES (ADULT)	1.0000	0.	0.000
04 COPEPODIDS (IMMATURE)	1.0000	0.	0.000
03 NAUPLII	1.0000	1.	0.016
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	1.0000	4.	0.065
03 NAUPLII	1.0000	1.	0.016
71 DAPHNIA PULICARIA			
14 IMMATURE FEMALES	1.0000	3.	0.048
55 DAPHNIA GALEATA			
14 IMMATURE FEMALES	1.0000	1.	0.016
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES(MATURE+IMMA	1.0000	2.	0.032
EGGS PER FEMALE		0.00	
19 KERATELLA QUADRATA			
12 TOTAL FEMALES(MATURE+IMMA	1.0000	1.	0.016
EGGS PER FEMALE		0.00	
TOTAL DIAPTOMUS COP/L		0.02	
TOTAL EPISCHURA COP/L		0.000	
TOTAL DAPHNIA FEM-ALL SPECIES		0.065	
TOTAL DAPHNIA MAT FEM/L		0.000	
TOTAL DAPHNIA EGGS/L		0.000	
TOT DAPHNIA EGGS/MAT FEMALE		0.000	

LAKE SAWYER ZOOPLANKTON

DATE: 5/22/89 DAY: 142 LITER: 62.3
 NET: 20 DEPTH: 0 TO 0
 REV: 1 STATION: STATION #3
 CODE: SPECIES

STAGE	DIL	NUM	ORG/ SAMPLE ^l
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	0.2353	0.	0.000
06 FEMALES (ADULT)	0.2353	0.	0.000
04 COPEPODIDS (IMMATURE)	0.2353	15.	1.028
03 NAUPLII	0.1176	27.	3.702
02 EGGS	0.2353	0.	0.000
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	0.2353	0.	0.000
06 FEMALES (ADULT)	0.2353	0.	0.000
04 COPEPODIDS (IMMATURE)	0.2353	0.	0.000
03 NAUPLII	0.2353	0.	0.000
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.2353	92.	6.306
03 NAUPLII	0.1176	51.	6.992
02 EGGS	0.2353	45.	3.085
EGGS PRESENT, FEMALES NOT SEPARATED			
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	0.2353	23.	1.577
14 IMMATURE FEMALES	0.2353	175.	11.996
02 EGGS	0.2353	19.	1.302
EGGS PER FEMALE		0.83	
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	0.2353	12.	0.823
14 IMMATURE FEMALES	0.2353	23.	1.577
02 EGGS	0.2353	0.	0.000
EGGS PER FEMALE		0.00	
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	0.2353	10.	0.685
14 IMMATURE FEMALES	0.2353	23.	1.577
02 EGGS	0.2353	7.	0.480
EGGS PER FEMALE		0.70	
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.2353	80.	5.484
02 EGGS	0.2353	14.	0.960
EGGS PER FEMALE		0.18	
84 CHYDORUS SPHAERICUS			
12 TOTAL FEMALES(MATURE+IMMA)	0.2353	3.	0.206
EGGS PER FEMALE		0.00	
B4 KERATELLA COCH & EARLINA			
12 Total Females	0.1176	185.	25.363
02 EGGS	0.1176	16.	2.194
EGGS PRESENT, FEMALES NOT SEPARATED			
20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1176	48.	6.581
EGGS PER FEMALE		0.00	

23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES(MATURE+IMMA	0.1176	10.	1.371
02 EGGS	0.1176	1.	0.137
EGGS PER FEMALE 0.10			
27 CONOCHILUS HIPPOCREPIS			
12 TOTAL FEMALES(MATURE+IMMA	0.1176	2.	0.274
EGGS PER FEMALE 0.00			
19 KERATELLA QUADRATA			
12 TOTAL FEMALES(MATURE+IMMA	0.1176	12.	1.645
02 EGGS	0.1176	2.	0.274
EGGS PER FEMALE 0.17			
63 SYNCHAETA PECTINATA			
12 TOTAL FEMALES(MATURE+IMMA	0.1176	1.	0.137
EGGS PER FEMALE 0.00			
35 GASTROPUS STYLIFER			
12 TOTAL FEMALES(MATURE+IMMA	0.1176	33.	4.524
EGGS PER FEMALE 0.00			
21 KELLICOTTIA BOSTONIENSIS			
12 TOTAL FEMALES(MATURE+IMMA	0.1176	1.	0.137
EGGS PER FEMALE 0.00			
B3 ASPLANCHNA PRIODONTA(SAWY			
12 TOTAL FEMALES(MATURE+IMMA	0.2353	21.	1.440
EGGS PER FEMALE 0.00			
C2 CHIRONOMID LARVAE			
00 UNDEFINED LIFE STAGE	0.2353	1.	0.069
TOTAL DIAPTOMUS COP/L	1.03		
TOTAL EPISCHURA COP/L	0.000		
TOTAL DAPHNIA FEM-ALL SPECIES	18.234		
TOTAL DAPHNIA MAT FEM/L	3.085		
TOTAL DAPHNIA EGGS/L	1.782		
TOT DAPHNIA EGGS/MAT FEMALE	0.578		

LAKE SAWYER ZOOPLANKTON

DATE: 6/12/89 DAY: 163 LITER: 62.3
 NET: 20 DEPTH: 0 TO 0
 REV: 1 STATION: STATION #3
 CODE: SPECIES

STAGE	DIL	NUM	ORG/ SAMPLES ^e
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	0.1220	1.	0.132
06 FEMALES (ADULT)	0.1220	2.	0.265
04 COPEPODIDS (IMMATURE)	0.1220	18.	2.381
03 NAUPLII	0.1220	6.	0.794
02 EGGS	0.1220	0.	0.000
EGGS PER FEMALE		0.00	
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	0.1220	0.	0.000
06 FEMALES (ADULT)	0.1220	0.	0.000
04 COPEPODIDS (IMMATURE)	0.1220	0.	0.000
03 NAUPLII	0.1220	0.	0.000
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.1220	63.	8.332
03 NAUPLII	0.1220	56.	7.406
02 EGGS	0.1220	115.	15.210
EGGS PRESENT, FEMALES NOT SEPARATED			
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	0.1220	29.	3.835
14 IMMATURE FEMALES	0.1220	56.	7.406
02 EGGS	0.1220	16.	2.116
EGGS PER FEMALE		0.55	
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	0.1220	0.	0.000
14 IMMATURE FEMALES	0.1220	0.	0.000
02 EGGS	0.1220	0.	0.000
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	0.1220	11.	1.455
14 IMMATURE FEMALES	0.1220	32.	4.232
02 EGGS	0.1220	2.	0.265
EGGS PER FEMALE		0.18	
09 DIAPHANOSOMA BIRGEI			
12 TOTAL FEMALES(MATURE+IMMA)	0.1220	0.	0.000
02 EGGS	0.1220	0.	0.000
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.1220	20.	2.645
02 EGGS	0.1220	0.	0.000
EGGS PER FEMALE		0.00	
B4 KERATELLA COCH & EARLINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1220	89.	11.771
02 EGGS	0.1220	25.	3.306
EGGS PER FEMALE		0.28	
20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1220	110.	14.548
EGGS PER FEMALE		0.00	

23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES(MATURE+IMMA)	0.1220	22.	2.910
02 EGGS	0.1220	4.	0.529
EGGS PER FEMALE	0.18		
27 CONOCHILUS HIPPOCREPIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.1220	0.	0.000
19 KERATELLA QUADRATA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1220	4.	0.529
02 EGGS	0.1220	1.	0.132
EGGS PER FEMALE	0.25		
29 COLLOTHECA PELAGICA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1220	2.	0.265
02 EGGS	0.1220	0.	0.000
EGGS PER FEMALE	0.00		
B3 ASPLANCHNA PRIODONTA(SAWY			
12 TOTAL FEMALES(MATURE+IMMA)	0.1220	8.	1.058
EGGS PER FEMALE	0.00		
25 SYNCHAETA SPECIES			
12 TOTAL FEMALES(MATURE+IMMA)	0.1220	14.	1.852
EGGS PER FEMALE	0.00		
35 GASTROPUS STYLIFER			
12 TOTAL FEMALES(MATURE+IMMA)	0.1220	3.	0.397
EGGS PER FEMALE	0.00		
B3 ASPLANCHNA PRIODONTA(SAWY			
12 TOTAL FEMALES(MATURE+IMMA)	0.1220	3.	0.397
EGGS PER FEMALE	0.00		
C2 CHIRONOMID LARVAE			
00 UNDEFINED LIFE STAGE	0.1220	1.	0.132
C1 MITE			
00 UNDEFINED LIFE STAGE	0.1220	1.	0.132
TOTAL DIAPTOMUS COP/L	2.78		
TOTAL EPISCHURA COP/L	0.000		
TOTAL DAPHNIA FEM-ALL SPECIES	16.929		
TOTAL DAPHNIA MAT FEM/L	5.290		
TOTAL DAPHNIA EGGS/L	2.381		
TOT DAPHNIA EGGS/MAT FEMALE	0.450		

LAKE SAWYER ZOOPLANKTON

DATE: 7/10/89 COMPOSITE DAY: 191
 NET: 20 DEPTH: 0 TO 0
 REV: 1 STATION: STATION #3
 CODE: SPECIES

LITER: 62.3

STAGE	DIL	NUM	ORG/ SAMPLE
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	0.2500	7.	0.452
06 FEMALES (ADULT)	0.2500	2.	0.129
04 COPEPODIDS (IMMATURE)	0.2500	46.	2.968
03 NAUPLII	0.2500	52.	3.355
02 EGGS	0.2500	15.	0.968
EGGS PER FEMALE		7.50	
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	0.2500	0.	0.000
06 FEMALES (ADULT)	0.2500	0.	0.000
04 COPEPODIDS (IMMATURE)	0.2500	0.	0.000
03 NAUPLII	0.2500	0.	0.000
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.2500	244.	15.742
03 NAUPLII	0.2500	193.	12.452
02 EGGS	0.2500	122.	7.871
EGGS PRESENT, FEMALES NOT SEPARATED			
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	0.2500	54.	3.484
14 IMMATURE FEMALES	0.2500	151.	9.742
02 EGGS	0.2500	77.	4.968
15 TOTAL MALES (MATURE + IMM)	0.2500	1.	0.065
EGGS PER FEMALE		1.43	
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	0.2500	5.	0.323
14 IMMATURE FEMALES	0.2500	1.	0.065
02 EGGS	0.2500	11.	0.710
EGGS PER FEMALE		2.20	
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	0.2500	27.	1.742
14 IMMATURE FEMALES	0.2500	73.	4.710
02 EGGS	0.2500	36.	2.323
EGGS PER FEMALE		1.33	
09 DIAPHANOSOMA BIRGEI			
12 TOTAL FEMALES (MATURE+IMMA)	0.2500	1.	0.065
02 EGGS	0.2500	0.	0.000
EGGS PER FEMALE		0.00	
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES (MATURE+IMMA)	0.2500	15.	0.968
02 EGGS	0.2500	3.	0.194
EGGS PER FEMALE		0.20	
B4 KERATELLA COCH & EARLINAE			
12 TOTAL FEMALES (MATURE+IMMA)	0.2500	77.	4.968
02 EGGS	0.2500	22.	1.419
EGGS PER FEMALE		0.29	
20 KELLICOTTIA LONGISPINA			

12 TOTAL FEMALES(MATURE+IMMA	0.2500	194.	12.516
02 EGGS	0.2500	49.	3.161
EGGS PER FEMALE 0.25			
23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES(MATURE+IMMA	0.2500	5.	0.323
02 EGGS	0.2500	0.	0.000
EGGS PER FEMALE 0.00			
27 CONOCHILUS HIPPOCREPIS			
12 TOTAL FEMALES(MATURE+IMMA	0.2500	2.	0.129
EGGS PER FEMALE 0.00			
19 KERATELLA QUADRATA			
12 TOTAL FEMALES(MATURE+IMMA	0.2500	4.	0.258
02 EGGS	0.2500	0.	0.000
EGGS PER FEMALE 0.00			
29 COLLOTHECA PELAGICA			
12 TOTAL FEMALES(MATURE+IMMA	0.2500	3.	0.194
02 EGGS	0.2500	5.	0.323
EGGS PER FEMALE 1.67			
63 SYNCHAETA PECTINATA			
12 TOTAL FEMALES(MATURE+IMMA	0.2500	15.	0.968
EGGS PER FEMALE 0.00			
25 SYNCHAETA SPECIES			
12 TOTAL FEMALES(MATURE+IMMA	0.2500	32.	2.065
EGGS PER FEMALE 0.00			
35 GASTROPUS STYLIFER			
12 TOTAL FEMALES(MATURE+IMMA	0.2500	8.	0.516
EGGS PER FEMALE 0.00			
B3 ASPLANCHNA PRIODONTA(SAWY			
12 TOTAL FEMALES(MATURE+IMMA	0.2500	6.	0.387
EGGS PER FEMALE 0.00			
C2 CHIRONOMID LARVAE			
00 UNDEFINED LIFE STAGE	0.2500	2.	0.129
TOTAL DIAPTOMUS COP/L	3.55		
TOTAL EPISCHURA COP/L	0.000		
TOTAL DAPHNIA FEM-ALL SPECIES	20.065		
TOTAL DAPHNIA MAT FEM/L	5.548		
TOTAL DAPHNIA EGGS/L	8.000		
TOT DAPHNIA EGGS/MAT FEMALE	1.442		

LAKE SAWYER ZOOPLANKTON

DATE: 7/31/89 DAY: 212 LITER: 62.3
 NET: 20 DEPTH: 0 TO 0
 REV: 1 STATION: STATION #3
 CODE: SPECIES

STAGE	DIL	NUM	ORG/ SAMPLE
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	0.2000	3.	0.242
06 FEMALES (ADULT)	0.2000	5.	0.403
04 COPEPODIDS (IMMATURE)	0.2000	75.	6.048
03 NAUPLII	0.2000	18.	1.452
02 EGGS	0.2000	0.	0.000
EGGS PER FEMALE		0.00	
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	1.0000	0.	0.000
06 FEMALES (ADULT)	1.0000	0.	0.000
04 COPEPODIDS (IMMATURE)	0.2000	0.	0.000
03 NAUPLII	0.2000	0.	0.000
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.2000	103.	8.306
03 NAUPLII	0.2000	83.	6.694
02 EGGS	0.2000	0.	0.000
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	0.2000	2.	0.161
14 IMMATURE FEMALES	0.2000	15.	1.210
02 EGGS	0.2000	1.	0.081
EGGS PER FEMALE		0.50	
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	0.2000	0.	0.000
14 IMMATURE FEMALES	0.2000	0.	0.000
02 EGGS	0.2000	0.	0.000
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	0.2000	3.	0.242
14 IMMATURE FEMALES	0.2000	10.	0.806
02 EGGS	0.2000	5.	0.403
EGGS PER FEMALE		1.67	
09 DIAPHANOSOMA BIRGEI			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	1.	0.081
02 EGGS	0.2000	0.	0.000
EGGS PER FEMALE		0.00	
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	3.	0.242
02 EGGS	0.2000	1.	0.081
EGGS PER FEMALE		0.33	
B4 KERATELLA COCH & EARLINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	73.	5.887
02 EGGS	0.2000	12.	0.968
EGGS PER FEMALE		0.16	
20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	507.	40.887
EGGS PER FEMALE		0.00	

23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	52.	4.194
02 EGGS	0.2000	2.	0.161
EGGS PER FEMALE	0.04		
27 CONOCHILUS HIPPOCREPIS			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	87.	7.016
EGGS PER FEMALE	0.00		
19 KERATELLA QUADRATA			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	2.	0.161
02 EGGS	0.2000	1.	0.081
EGGS PER FEMALE	0.50		
25 SYNCHAETA SPECIES			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	5.	0.403
EGGS PER FEMALE	0.00		
24 SYNCHAETA STYLATA			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	13.	1.048
EGGS PER FEMALE	0.00		
35 GASTROPUS STYLIFER			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	59.	4.758
EGGS PER FEMALE	0.00		
C2 CHIRONOMID LARVAE			
00 UNDEFINED LIFE STAGE	0.2000	2.	0.161
TOTAL DIAPTOMUS COP/L	6.69		
TOTAL EPISCHURA COP/L	0.000		
TOTAL DAPHNIA FEM-ALL SPECIES	2.419		
TOTAL DAPHNIA MAT FEM/L	0.403		
TOTAL DAPHNIA EGGS/L	0.484		
TOT DAPHNIA EGGS/MAT FEMALE	1.200		

LAKE SAWYER ZOOPLANKTON

DATE: 8/21/89 DAY: 23~~3~~ LITER: 62.3
 NET: 20 DEPTH: 0 TO 0
 REV: 1 STATION: STATION #3
 CODE: SPECIES

STAGE	DIL	NUM	ORG/SAMPLE
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	0.3333	24.	1.161
06 FEMALES (ADULT)	0.3333	20.	0.968
04 COPEPODIDS (IMMATURE)	0.3333	166.	8.032
03 NAUPLII	0.3333	51.	2.468
02 EGGS	0.3333	65.	3.145
EGGS PER FEMALE		3.25	
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	1.0000	1.	0.016
06 FEMALES (ADULT)	1.0000	5.	0.081
04 COPEPODIDS (IMMATURE)	0.3333	2.	0.097
03 NAUPLII	0.3333	1.	0.048
EGGS PER FEMALE		0.00	
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.3333	60.	2.903
03 NAUPLII	0.3333	45.	2.177
02 EGGS	0.3333	28.	1.355
EGGS PRESENT, FEMALES NOT SEPARATED			
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	0.3333	7.	0.339
14 IMMATURE FEMALES	0.3333	19.	0.919
02 EGGS	0.3333	5.	0.242
EGGS PER FEMALE		0.71	
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	0.3333	0.	0.000
14 IMMATURE FEMALES	0.3333	0.	0.000
02 EGGS	0.3333	0.	0.000
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	0.3333	1.	0.048
14 IMMATURE FEMALES	0.3333	6.	0.290
02 EGGS	0.3333	0.	0.000
EGGS PER FEMALE		0.00	
09 DIAPHANOSOMA BIRGEI			
12 TOTAL FEMALES(MATURE+IMMA)	0.3333	0.	0.000
02 EGGS	0.3333	1.	0.048
EGGS PRESENT, FEMALES NOT SEPARATED			
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.3333	12.	0.581
02 EGGS	0.3333	1.	0.048
EGGS PER FEMALE		0.08	
B4 KERATELLA COCH & EARLINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.3333	5.	0.242
EGGS PER FEMALE		0.00	
20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.3333	379.	18.339
02 EGGS	0.3333	37.	1.790

EGGS PER FEMALE	0.10		
23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES(MATURE+IMMA	0.3333	1.	0.048
02 EGGS	0.3333	0.	0.000
EGGS PER FEMALE	0.00		
27 CONOCHILUS HIPPOCREPIS			
12 TOTAL FEMALES(MATURE+IMMA	0.3333	25.	1.210
EGGS PER FEMALE	0.00		
B1 TRICHOCERCA CYCLINDRICA			
12 TOTAL FEMALES(MATURE+IMMA	0.3333	2.	0.097
EGGS PER FEMALE	0.00		
63 SYNCHAETA PECTINATA			
12 TOTAL FEMALES(MATURE+IMMA	0.3333	1.	0.048
EGGS PER FEMALE	0.00		
25 SYNCHAETA SPECIES			
12 TOTAL FEMALES(MATURE+IMMA	0.3333	1.	0.048
EGGS PER FEMALE	0.00		
24 SYNCHAETA STYLATA			
12 TOTAL FEMALES(MATURE+IMMA	0.3333	10.	0.484
EGGS PER FEMALE	0.00		
35 GASTROPUS STYLIFER			
12 TOTAL FEMALES(MATURE+IMMA	0.3333	12.	0.581
EGGS PER FEMALE	0.00		
TOTAL DIAPTOMUS COP/L	10.16		
TOTAL EPISCHURA COP/L	0.194		
TOTAL DAPHNIA FEM-ALL SPECIES	1.597		
TOTAL DAPHNIA MAT FEM/L	0.387		
TOTAL DAPHNIA EGGS/L	0.242		
TOT DAPHNIA EGGS/MAT FEMALE	0.625		

LAKE SAWYER ZOOPLANKTON

DATE: 11 SEPT 89 DAY: 254 LITER: 62.3
 NET: 20 DEPTH: 0 TO 6
 REV: 1 STATION: STATION #3
 CODE: SPECIES

STAGE	DIL	NUM	ORG/SAMPLE
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	0.4000	43.	1.734
06 FEMALES (ADULT)	0.4000	41.	1.653
04 COPEPODIDS (IMMATURE)	0.4000	63.	2.540
03 NAUPLII	0.4000	42.	1.694
02 EGGS	0.4000	118.	4.758
EGGS PER FEMALE		2.88	
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	1.0000	0.	0.000
06 FEMALES (ADULT)	1.0000	1.	0.016
04 COPEPODIDS (IMMATURE)	0.4000	0.	0.000
03 NAUPLII	0.4000	3.	0.121
EGGS PER FEMALE		0.00	
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.4000	41.	1.653
03 NAUPLII	0.4000	58.	2.339
02 EGGS	0.4000	66.	2.661
EGGS PRESENT, FEMALES NOT SEPARATED			
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	1.0000	8.	0.129
14 IMMATURE FEMALES	1.0000	14.	0.226
02 EGGS	1.0000	13.	0.210
EGGS PER FEMALE		1.63	
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	1.0000	2.	0.032
14 IMMATURE FEMALES	1.0000	0.	0.000
02 EGGS	0.4000	0.	0.000
EGGS PER FEMALE		0.00	
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	1.0000	12.	0.194
14 IMMATURE FEMALES	1.0000	21.	0.339
02 EGGS	1.0000	18.	0.290
EGGS PER FEMALE		1.50	
09 DIAPHANOSOMA BIRGEI			
12 TOTAL FEMALES(MATURE+IMMA)	0.4000	0.	0.000
02 EGGS	0.4000	0.	0.000
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.4000	7.	0.282
02 EGGS	0.4000	0.	0.000
EGGS PER FEMALE		0.00	
84 CHYDORUS SPHAERICUS			
12 TOTAL FEMALES(MATURE+IMMA)	0.4000	1.	0.040
EGGS PER FEMALE		0.00	
20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.4000	183.	7.379
02 EGGS	0.4000	8.	0.323

EGGS PER FEMALE	0.04		
27 CONOCHILUS HIPPOCREPIS			
12 TOTAL FEMALES(MATURE+IMMA	0.4000	52.	2.097
EGGS PER FEMALE	0.00		
B1 TRICHOCERCA CYCLINDRICA			
12 TOTAL FEMALES(MATURE+IMMA	0.4000	67.	2.702
EGGS PER FEMALE	0.00		
35 GASTROPUS STYLIFER			
12 TOTAL FEMALES(MATURE+IMMA	0.4000	23.	0.927
EGGS PER FEMALE	0.00		
B3 ASPLANCHNA PRIODONTA(SAWY			
12 TOTAL FEMALES(MATURE+IMMA	0.4000	1.	0.040
EGGS PER FEMALE	0.00		
TOTAL DIAPTOMUS COP/L	5.93		
TOTAL EPISCHURA COP/L	0.016		
TOTAL DAPHNIA FEM-ALL SPECIES	0.919		
TOTAL DAPHNIA MAT FEM/L	0.355		
TOTAL DAPHNIA EGGS/L	0.500		
TOT DAPHNIA EGGS/MAT FEMALE	1.409		

LAKE SAWYER ZOOPLANKTON

DATE: 02 OCT 89 DAY: 275 LITER: 62.3
 NET: 20 DEPTH: 0 TO 6
 REV: 1 STATION: STATION #3
 CODE: SPECIES

STAGE	DIL	NUM	ORG/ SAMPLE ^L
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	0.2273	5.	0.355
06 FEMALES (ADULT)	0.2273	10.	0.710
04 COPEPODIDS (IMMATURE)	0.2273	39.	2.768
03 NAUPLII	0.2273	22.	1.561
02 EGGS	0.2273	29.	2.058
EGGS PER FEMALE		2.90	
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	0.2273	0.	0.000
06 FEMALES (ADULT)	0.2273	1.	0.071
04 COPEPODIDS (IMMATURE)	0.2273	0.	0.000
03 NAUPLII	0.2273	0.	0.000
EGGS PER FEMALE		0.00	
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.2273	89.	6.316
03 NAUPLII	0.2273	118.	8.374
02 EGGS	0.2273	221.	15.684
EGGS PRESENT, FEMALES NOT SEPARATED			
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	0.2273	9.	0.639
14 IMMATURE FEMALES	0.2273	52.	3.690
02 EGGS	0.2273	12.	0.852
EGGS PER FEMALE		1.33	
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	0.2273	1.	0.071
14 IMMATURE FEMALES	0.2273	1.	0.071
02 EGGS	0.2273	7.	0.497
EGGS PER FEMALE		7.00	
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	0.2273	11.	0.781
14 IMMATURE FEMALES	0.2273	85.	6.032
02 EGGS	0.2273	8.	0.568
15 TOTAL MALES (MATURE + IMM)	0.2273	3.	0.213
EGGS PER FEMALE		0.73	
09 DIAPHANOSOMA BIRGEI			
12 TOTAL FEMALES (MATURE+IMMA)	0.2273	12.	0.852
02 EGGS	0.2273	3.	0.213
EGGS PER FEMALE		0.25	
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES (MATURE+IMMA)	0.2273	37.	2.626
02 EGGS	0.2273	10.	0.710
EGGS PER FEMALE		0.27	
97 CERIODAPHNIA LACUSTRIS			
12 TOTAL FEMALES (MATURE+IMMA)	0.2273	20.	1.419
02 EGGS	0.2273	3.	0.213
EGGS PER FEMALE		0.15	

B6 CERIODAPHNIA RETICULATA			
12 TOTAL FEMALES(MATURE+IMMA	0.2273	5.	0.355
02 EGGS	0.2273	3.	0.213
EGGS PER FEMALE	0.60		
B4 KERATELLA COCH & EARLINAE			
12 TOTAL FEMALES(MATURE+IMMA	0.2273	12.	0.852
02 EGGS	0.2273	3.	0.213
EGGS PER FEMALE	0.25		
20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES(MATURE+IMMA	0.2273	55.	3.903
02 EGGS	0.2273	8.	0.568
EGGS PER FEMALE	0.15		
23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES(MATURE+IMMA	0.2273	58.	4.116
02 EGGS	0.2273	11.	0.781
EGGS PER FEMALE	0.19		
27 CONOCHILUS HIPPOCREPIS			
12 TOTAL FEMALES(MATURE+IMMA	0.2273	154.	10.929
EGGS PER FEMALE	0.00		
B1 TRICHOCERCA CYCLINDRICA			
12 TOTAL FEMALES(MATURE+IMMA	0.2273	34.	2.413
EGGS PER FEMALE	0.00		
63 SYNCHAETA PECTINATA			
12 TOTAL FEMALES(MATURE+IMMA	0.2273	3.	0.213
EGGS PER FEMALE	0.00		
25 SYNCHAETA SPECIES			
12 TOTAL FEMALES(MATURE+IMMA	0.2273	3.	0.213
EGGS PER FEMALE	0.00		
35 GASTROPUS STYLIFER			
12 TOTAL FEMALES(MATURE+IMMA	0.2273	63.	4.471
EGGS PER FEMALE	0.00		
21 KELLICOTTIA BOSTONIENSIS			
12 TOTAL FEMALES(MATURE+IMMA	0.2273	9.	0.639
EGGS PER FEMALE	0.00		
B3 ASPLANCHNA PRIODONTA(SAWY			
12 TOTAL FEMALES(MATURE+IMMA	0.2273	10.	0.710
EGGS PER FEMALE	0.00		
49 HEXARTHRA MIRA			
12 TOTAL FEMALES(MATURE+IMMA	0.2273	1.	0.071
EGGS PER FEMALE	0.00		
43 CILIATE PROTOZOA			
12 TOTAL FEMALES(MATURE+IMMA	0.2273	152.	10.787
EGGS PER FEMALE	0.00		

TOTAL DIAPTOMUS COP/L	3.83
TOTAL EPISCHURA COP/L	0.071
TOTAL DAPHNIA FEM-ALL SPECIES	11.284
TOTAL DAPHNIA MAT FEM/L	1.490
TOTAL DAPHNIA EGGS/L	1.916
TOT DAPHNIA EGGS/MAT FEMALE	1.286

LAKE SAWYER ZOOPLANKTON

DATE: 23 OCT 89 DAY: 296 LITER: 62.3
 NET: 20 DEPTH: 0 TO 0
 REV: 1 STATION: STATION #3
 CODE: SPECIES

STAGE	DIL	NUM	ORG/SAMPLE
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	0.2000	2.	0.161
06 FEMALES (ADULT)	0.2000	5.	0.403
04 COPEPODIDS (IMMATURE)	0.2000	8.	0.645
03 NAUPLII	0.2000	46.	3.710
02 EGGS	0.2000	42.	3.387
EGGS PER FEMALE		8.40	
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	0.2000	0.	0.000
06 FEMALES (ADULT)	0.2000	1.	0.081
04 COPEPODIDS (IMMATURE)	0.2000	0.	0.000
03 NAUPLII	0.2000	12.	0.968
EGGS PER FEMALE		0.00	
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.2000	546.	44.032
03 NAUPLII	0.2000	402.	32.419
02 EGGS	0.2000	388.	31.290
EGGS PRESENT, FEMALES NOT SEPARATED			
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	0.2000	9.	0.726
14 IMMATURE FEMALES	0.2000	20.	1.613
02 EGGS	0.2000	12.	0.968
EGGS PER FEMALE		1.33	
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	0.2000	0.	0.000
14 IMMATURE FEMALES	0.2000	0.	0.000
02 EGGS	0.2000	0.	0.000
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	0.2000	27.	2.177
14 IMMATURE FEMALES	0.2000	44.	3.548
02 EGGS	0.2000	64.	5.161
15 TOTAL MALES (MATURE + IMM)	0.2000	2.	0.161
EGGS PER FEMALE		2.37	
09 DIAPHANOSOMA BIRGEI			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	8.	0.645
02 EGGS	0.2000	8.	0.645
15 TOTAL MALES (MATURE + IMM)	0.2000	1.	0.081
EGGS PER FEMALE		1.00	
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	140.	11.290
02 EGGS	0.2000	94.	7.581
EGGS PER FEMALE		0.67	
97 CERIODAPHNIA LACUSTRIS			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	1.	0.081
02 EGGS	0.2000	0.	0.000
EGGS PER FEMALE		0.00	

B6 CERIODAPHNIA RETICULATA			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	4.	0.323
02 EGGS	0.2000	0.	0.000
EGGS PER FEMALE	0.00		
84 CHYDORUS SPHAERICUS			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	1.	0.081
EGGS PER FEMALE	0.00		
B4 KERATELLA COCH & EARLINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	13.	1.048
02 EGGS	0.2000	4.	0.323
EGGS PER FEMALE	0.31		
20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	24.	1.935
02 EGGS	0.2000	5.	0.403
EGGS PER FEMALE	0.21		
23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	974.	78.548
02 EGGS	0.2000	46.	3.710
EGGS PER FEMALE	0.05		
27 CONOCHILUS HIPPOCREPIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	12.	0.968
EGGS PER FEMALE	0.00		
19 KERATELLA QUADRATA			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	2.	0.161
EGGS PER FEMALE	0.00		
B1 TRICHOCERCA CYCLINDRICA			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	27.	2.177
EGGS PER FEMALE	0.00		
63 SYNCHAETA PECTINATA			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	68.	5.484
EGGS PER FEMALE	0.00		
25 SYNCHAETA SPECIES			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	45.	3.629
EGGS PER FEMALE	0.00		
35 GASTROPUS STYLIFER			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	41.	3.306
EGGS PER FEMALE	0.00		
21 KELLICOTTIA BOSTONIENSIS			
2	0.2000	13.	1.048
B3 ASPLANCHNA PRIODONTA(SAWY)			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	4.	0.323
EGGS PER FEMALE	0.00		
70 MONOSTYLA			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	1.	0.081
EGGS PER FEMALE	0.00		
49 HEXARTHRA MIRA			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	0.	0.000
B5 ASCOMORPHELLA (IN VOLVOX)			

12 TOTAL FEMALES (MATURE+IMMA EGGS PER FEMALE 0.00	0.2000	3.	0.242
43 CILIATE PROTOZOA 00 UNDEFINED LIFE STAGE	0.2000	24.	1.935
TOTAL DIAPTOMUS COP/L	1.21		
TOTAL EPISCHURA COP/L	0.081		
TOTAL DAPHNIA FEM-ALL SPECIES	8.065		
TOTAL DAPHNIA MAT FEM/L	2.903		
TOTAL DAPHNIA EGGS/L	6.129		
TOT DAPHNIA EGGS/MAT FEMALE	2.111		

LAKE SAWYER ZOOPLANKTON

DATE: 8/21/89

DAY: ²³³~~234~~

LITER: 62.3

NET: 20 DEPTH: 0 TO 0

REV: 1 STATION: STATION #4

CODE: SPECIES

STAGE	DIL	NUM	ORG/SAMPLE
88 DIAPATOMUS OREGONENSIS			
05 MALES (ADULT)	0.4000	19.	0.766
06 FEMALES (ADULT)	0.4000	24.	0.968
04 COPEPODIDS (IMMATURE)	0.4000	146.	5.887
03 NAUPLII	0.4000	21.	0.847
02 EGGS	0.4000	57.	2.298
EGGS PER FEMALE		2.38	
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	1.0000	1.	0.016
06 FEMALES (ADULT)	1.0000	2.	0.032
04 COPEPODIDS (IMMATURE)	0.4000	3.	0.121
03 NAUPLII	0.4000	0.	0.000
EGGS PER FEMALE		0.00	
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.4000	84.	3.387
03 NAUPLII	0.4000	10.	0.403
02 EGGS	0.4000	134.	5.403
EGGS PRESENT, FEMALES NOT SEPARATED			
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	0.4000	21.	0.847
14 IMMATURE FEMALES	0.4000	76.	3.065
02 EGGS	0.4000	14.	0.565
EGGS PER FEMALE		0.67	
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	0.4000	0.	0.000
14 IMMATURE FEMALES	0.4000	0.	0.000
02 EGGS	0.4000	0.	0.000
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	0.4000	2.	0.081
14 IMMATURE FEMALES	0.4000	11.	0.444
02 EGGS	0.4000	0.	0.000
EGGS PER FEMALE		0.00	
09 DIAPHANOSOMA BIRGEI			
12 TOTAL FEMALES (MATURE+IMMA)	0.4000	0.	0.000
02 EGGS	0.4000	0.	0.000
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES (MATURE+IMMA)	0.4000	2.	0.081
02 EGGS	0.4000	1.	0.040
EGGS PER FEMALE		0.50	
B4 KERATELLA COCH & EARLINA			
12 TOTAL FEMALES (MATURE+IMMA)	0.4000	0.	0.000
02 EGGS	0.4000	0.	0.000
20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES (MATURE+IMMA)	0.4000	491.	19.798
02 EGGS	0.4000	51.	2.056
EGGS PER FEMALE		0.10	

23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES (MATURE+IMMA)	0.4000	0.	0.000
02 EGGS	0.4000	0.	0.000
27 CONOCHILUS HIPPOCREPIS			
12 TOTAL FEMALES (MATURE+IMMA)	0.4000	320.	12.903
EGGS PER FEMALE 0.00			
24 SYNCHAETA STYLATA			
12 TOTAL FEMALES (MATURE+IMMA)	0.4000	2.	0.081
EGGS PER FEMALE 0.00			
TOTAL DIAPTOMUS COP/L	7.62		
TOTAL EPISCHURA COP/L	0.169		
TOTAL DAPHNIA FEM-ALL SPECIES	4.435		
TOTAL DAPHNIA MAT FEM/L	0.927		
TOTAL DAPHNIA EGGS/L	0.565		
TOT DAPHNIA EGGS/MAT FEMALE	0.609		

LAKE SAWYER ZOOPLANKTON

DATE: 11-13-89 DAY: 317 LITER: 93.48
 NET: 20 DEPTH: 0 TO 9
 REV: 1 STATION: STATION #3
 CODE: SPECIES

STAGE	DIL	NUM	ORG/SAMPLE
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	0.1000	0.	0.000
06 FEMALES (ADULT)	0.1000	3.	0.323
04 COPEPODIDS (IMMATURE)	0.1000	2.	0.215
03 NAUPLII	0.1000	14.	1.505
02 EGGS	0.1000	0.	0.000
EGGS PER FEMALE		0.00	
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	0.1000	0.	0.000
06 FEMALES (ADULT)	0.1000	0.	0.000
04 COPEPODIDS (IMMATURE)	0.1000	1.	0.108
03 NAUPLII	0.1000	4.	0.430
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.1000	172.	18.495
03 NAUPLII	0.1000	249.	26.774
02 EGGS	0.1000	208.	22.366
EGGS PRESENT, FEMALES NOT SEPARATED			
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	0.1000	0.	0.000
14 IMMATURE FEMALES	0.1000	5.	0.538
02 EGGS	0.1000	0.	0.000
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	0.1000	0.	0.000
14 IMMATURE FEMALES	0.1000	1.	0.108
02 EGGS	0.1000	0.	0.000
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	0.1000	12.	1.290
14 IMMATURE FEMALES	0.1000	39.	4.194
02 EGGS	0.1000	12.	1.290
EGGS PER FEMALE		1.00	
09 DIAPHANOSOMA BIRGEI			
12 TOTAL FEMALES (MATURE+IMMA)	0.1000	0.	0.000
02 EGGS	0.1000	0.	0.000
15 TOTAL MALES (MATURE + IMM)	0.1000	0.	0.000
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES (MATURE+IMMA)	0.1000	102.	10.968
02 EGGS	0.1000	110.	11.828
EGGS PER FEMALE		1.08	
B6 CERIODAPHNIA RETICULATA			
12 TOTAL FEMALES (MATURE+IMMA)	0.1000	4.	0.430
02 EGGS	0.1000	0.	0.000
EGGS PER FEMALE		0.00	
B4 KERATELLA COCH & EARLINA			
12 TOTAL FEMALES (MATURE+IMMA)	0.1000	56.	6.022
02 EGGS	0.1000	15.	1.613
EGGS PER FEMALE		0.27	

20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	2.	0.215
02 EGGS	0.1000	1.	0.108
EGGS PER FEMALE	0.50		
23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	944.	101.505
02 EGGS	0.1000	38.	4.086
EGGS PER FEMALE	0.04		
26 CONOCHILUS UNICORNIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	5.	0.538
EGGS PER FEMALE	0.00		
27 CONOCHILUS HIPPOCREPIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	41.	4.409
EGGS PER FEMALE	0.00		
19 KERATELLA QUADRATA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	0.	0.000
B2 TRICHOCERCA ROUSELETTI			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	1.	0.108
EGGS PER FEMALE	0.00		
B1 TRICHOCERCA CYCLINDRICA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	1.	0.108
EGGS PER FEMALE	0.00		
63 SYNCHAETA PECTINATA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	1.	0.108
EGGS PER FEMALE	0.00		
35 GASTROPUS STYLIFER			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	8.	0.860
EGGS PER FEMALE	0.00		
TOTAL DIAPTOMUS COP/L	0.54		
TOTAL EPISCHURA COP/L	0.108		
TOTAL DAPHNIA FEM-ALL SPECIES	6.129		
TOTAL DAPHNIA MAT FEM/L	1.290		
TOTAL DAPHNIA EGGS/L	1.290		
TOT DAPHNIA EGGS/MAT FEMALE	1.000		

LAKE SAWYER ZOOPLANKTON

DATE: 12/11/89 DAY: 345 LITER: 93.48
 NET: 20 DEPTH: 0 TO 9
 REV: 1 STATION: STATION #3
 CODE: SPECIES

STAGE	DIL	NUM	ORG/SAMPLE
88 DIAPTOMUS OREGONENSIS			
06 FEMALES (ADULT)	0.2000	2.	0.108
04 COPEPODIDS (IMMATURE)	0.2000	4.	0.215
03 NAUPLII	0.2000	22.	1.183
02 EGGS	0.2000	0.	0.000
EGGS PER FEMALE		0.00	
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	0.2000	0.	0.000
06 FEMALES (ADULT)	0.2000	0.	0.000
04 COPEPODIDS (IMMATURE)	0.2000	1.	0.054
03 NAUPLII	0.2000	9.	0.484
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.2000	196.	10.538
03 NAUPLII	0.2000	267.	14.355
02 EGGS	0.2000	276.	14.839
EGGS PRESENT, FEMALES NOT SEPARATED			
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	0.2000	3.	0.161
14 IMMATURE FEMALES	0.2000	4.	0.215
02 EGGS	0.2000	5.	0.269
EGGS PER FEMALE		1.67	
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	1.0000	2.	0.022
14 IMMATURE FEMALES	1.0000	0.	0.000
02 EGGS	1.0000	12.	0.129
EGGS PER FEMALE		6.00	
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	0.2000	13.	0.699
14 IMMATURE FEMALES	0.2000	6.	0.323
02 EGGS	0.2000	16.	0.860
EGGS PER FEMALE		1.23	
09 DIAPHANOSOMA BIRGEI			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	0.	0.000
02 EGGS	0.2000	0.	0.000
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	130.	6.989
02 EGGS	0.2000	63.	3.387
EGGS PER FEMALE		0.48	
97 CERIODAPHNIA LACUSTRIS			
12 TOTAL FEMALES(MATURE+IMMA)	1.0000	2.	0.022
EGGS PER FEMALE		0.00	
B4 KERATELLA COCH & EARLINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	111.	5.968
02 EGGS	0.2000	28.	1.505
EGGS PER FEMALE		0.25	

20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	5.	0.269
02 EGGS	0.2000	4.	0.215
EGGS PER FEMALE	0.80		
23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	429.	23.065
02 EGGS	0.2000	27.	1.452
EGGS PER FEMALE	0.06		
27 CONOCHILUS HIPPOCREPIS			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	26.	1.398
EGGS PER FEMALE	0.00		
19 KERATELLA QUADRATA			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	2.	0.108
02 EGGS	0.2000	1.	0.054
EGGS PER FEMALE	0.50		
B2 TRICHOCERCA ROUSELETTI			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	5.	0.269
EGGS PER FEMALE	0.00		
63 SYNCHAETA PECTINATA			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	10.	0.538
EGGS PER FEMALE	0.00		
35 GASTROPUS STYLIFER			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	22.	1.183
EGGS PER FEMALE	0.00		
73 ASCHOMORPHA OVALIS (CHROM			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	6.	0.323
EGGS PER FEMALE	0.00		
21 KELLICOTTIA BOSTONIENSIS			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	1.	0.054
EGGS PER FEMALE	0.00		
B7 POMPHOLYX COMPLANATA			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	13.	0.699
02 EGGS	0.2000	9.	0.484
EGGS PER FEMALE	0.69		
22 FILINIA SPP			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	1.	0.054
EGGS PER FEMALE	0.00		
70 MONOSTYLA			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	1.	0.054
EGGS PER FEMALE	0.00		
TOTAL DIAPTOMUS COP/L	0.32		
TOTAL EPISCHURA COP/L	0.054		
TOTAL DAPHNIA FEM-ALL SPECIES	1.419		
TOTAL DAPHNIA MAT FEM/L	0.882		
TOTAL DAPHNIA EGGS/L	1.258		
TOT DAPHNIA EGGS/MAT FEMALE	1.427		

LAKE SAWYER ZOOPLANKTON

DATE: 01/08/90 (JAN 8) DAY: 8 LITER: 93.48
 NET: 20 DEPTH: 0 TO 9
 REV: 1 STATION: STATION #3
 CODE: SPECIES

STAGE	DIL	NUM	ORG/SAMPLE
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	0.1818	0.	0.000
06 FEMALES (ADULT)	0.1818	2.	0.118
04 COPEPODIDS (IMMATURE)	0.1818	2.	0.118
03 NAUPLII	0.1818	6.	0.355
02 EGGS	0.1818	0.	0.000
EGGS PER FEMALE		0.00	
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	0.1818	0.	0.000
06 FEMALES (ADULT)	0.1818	0.	0.000
04 COPEPODIDS (IMMATURE)	0.1818	0.	0.000
03 NAUPLII	0.1818	2.	0.118
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.1818	191.	11.296
03 NAUPLII	0.1818	134.	7.925
02 EGGS	0.1818	129.	7.629
EGGS PRESENT, FEMALES NOT SEPARATED			
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	0.1818	4.	0.237
14 IMMATURE FEMALES	0.1818	17.	1.005
02 EGGS	0.1818	2.	0.118
EGGS PER FEMALE		0.50	
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	0.1818	3.	0.177
14 IMMATURE FEMALES	0.1818	2.	0.118
02 EGGS	0.1818	2.	0.118
EGGS PER FEMALE		0.67	
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	0.1818	22.	1.301
14 IMMATURE FEMALES	0.1818	26.	1.538
02 EGGS	0.1818	12.	0.710
EGGS PER FEMALE		0.55	
09 DIAPHANOSOMA BIRGEI			
12 TOTAL FEMALES(MATURE+IMMA)	0.1818	0.	0.000
02 EGGS	0.1818	0.	0.000
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.1818	97.	5.737
02 EGGS	0.1818	25.	1.478
EGGS PER FEMALE		0.26	
97 CERIODAPHNIA LACUSTRIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.1818	4.	0.237
02 EGGS	0.1818	6.	0.355
EGGS PER FEMALE		1.50	
B4 KERATELLA COCH & EARLINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1818	377.	22.296
02 EGGS	0.1818	50.	2.957

EGGS PER FEMALE	0.13		
20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1818	13.	0.769
02 EGGS	0.1818	2.	0.118
EGGS PER FEMALE	0.15		
23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES(MATURE+IMMA)	0.1818	147.	8.694
02 EGGS	0.1818	8.	0.473
EGGS PER FEMALE	0.05		
19 KERATELLA QUADRATA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1818	17.	1.005
02 EGGS	0.1818	3.	0.177
EGGS PER FEMALE	0.18		
B2 TRICHOCERCA ROUSELETTI			
12 TOTAL FEMALES(MATURE+IMMA)	0.1818	1.	0.059
EGGS PER FEMALE	0.00		
63 SYNCHAETA PECTINATA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1818	7.	0.414
EGGS PER FEMALE	0.00		
35 GASTROPUS STYLIFER			
12 TOTAL FEMALES(MATURE+IMMA)	0.1818	15.	0.887
EGGS PER FEMALE	0.00		
73 ASCHOMORPHA OVALIS (CHROM			
12 TOTAL FEMALES(MATURE+IMMA)	0.1818	2.	0.118
EGGS PER FEMALE	0.00		
21 KELLICOTTIA BOSTONIENSIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.1818	11.	0.651
02 EGGS	0.1818	5.	0.296
EGGS PER FEMALE	0.45		
32 NOTHOLCA SQUAMULA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1818	1.	0.059
EGGS PER FEMALE	0.00		
B7 POMPHOLYX COMPLANATA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1818	6.	0.355
02 EGGS	0.1818	3.	0.177
EGGS PER FEMALE	0.50		
TOTAL DIAPTOMUS COP/L	0.24		
TOTAL EPISCHURA COP/L	0.000		
TOTAL DAPHNIA FEM-ALL SPECIES	4.376		
TOTAL DAPHNIA MAT FEM/L	1.715		
TOTAL DAPHNIA EGGS/L	0.946		
TOT DAPHNIA EGGS/MAT FEMALE	0.552		

LAKE SAWYER ZOOPLANKTON

DATE: 02/05/90 (FEB 5) DAY: 36 LITER: 93.48
 NET: 20 DEPTH: 0 TO 0
 REV: 1 STATION: STATION #3
 CODE: SPECIES

STAGE	DIL	NUM	ORG/ SAMPLE
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	1.0000	1.	0.011
06 FEMALES (ADULT)	1.0000	7.	0.075
04 COPEPODIDS (IMMATURE)	0.2941	0.	0.000
03 NAUPLII	0.2941	27.	0.987
02 EGGS	0.2941	46.	1.682
EGGS PER FEMALE		22.34	
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	0.2941	0.	0.000
06 FEMALES (ADULT)	0.2941	0.	0.000
04 COPEPODIDS (IMMATURE)	0.2941	0.	0.000
03 NAUPLII	0.2941	6.	0.219
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.2941	176.	6.434
03 NAUPLII	0.2941	151.	5.520
02 EGGS	0.2941	32.	1.170
EGGS PRESENT, FEMALES NOT SEPARATED			
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	0.2941	9.	0.329
14 IMMATURE FEMALES	0.2941	20.	0.731
02 EGGS	0.2941	16.	0.585
EGGS PER FEMALE		1.78	
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	0.2941	0.	0.000
14 IMMATURE FEMALES	0.2941	2.	0.073
02 EGGS	0.2941	0.	0.000
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	0.2941	7.	0.256
14 IMMATURE FEMALES	0.2941	8.	0.292
02 EGGS	0.2941	2.	0.073
EGGS PER FEMALE		0.29	
09 DIAPHANOSOMA BIRGEI			
12 TOTAL FEMALES (MATURE+IMMA)	0.2941	2.	0.073
02 EGGS	0.2941	0.	0.000
EGGS PER FEMALE		0.00	
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES (MATURE+IMMA)	0.2941	52.	1.901
02 EGGS	0.2941	9.	0.329
EGGS PER FEMALE		0.17	
B4 KERATELLA COCH & EARLINA			
12 TOTAL FEMALES (MATURE+IMMA)	0.2941	284.	10.383
02 EGGS	0.2941	14.	0.512
EGGS PER FEMALE		0.05	
20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES (MATURE+IMMA)	0.2941	10.	0.366
02 EGGS	0.2941	1.	0.037

EGGS PER FEMALE	0.10		
23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES (MATURE+IMMA)	0.2941	27.	0.987
02 EGGS	0.2941	0.	0.000
EGGS PER FEMALE	0.00		
27 CONOCHILUS HIPPOCREPIS			
12 TOTAL FEMALES (MATURE+IMMA)	0.2941	2.	0.073
EGGS PER FEMALE	0.00		
29 COLLOTHECA PELAGICA			
12 TOTAL FEMALES (MATURE+IMMA)	0.2941	78.	2.852
EGGS PER FEMALE	0.00		
19 KERATELLA QUADRATA			
02 EGGS	0.2941	6.	0.219
EGGS PRESENT, FEMALES NOT SEPARATED			
B2 TRICHOCERCA ROUSELETTI			
12 TOTAL FEMALES (MATURE+IMMA)	0.2941	7.	0.256
EGGS PER FEMALE	0.00		
63 SYNCHAETA PECTINATA			
12 TOTAL FEMALES (MATURE+IMMA)	0.2941	4.	0.146
EGGS PER FEMALE	0.00		
25 SYNCHAETA SPECIES			
12 TOTAL FEMALES (MATURE+IMMA)	0.2941	2.	0.073
EGGS PER FEMALE	0.00		
35 GASTROPUS STYLIFER			
12 TOTAL FEMALES (MATURE+IMMA)	0.2941	18.	0.658
EGGS PER FEMALE	0.00		
73 ASCHOMORPHA OVALIS (CHROM			
12 TOTAL FEMALES (MATURE+IMMA)	0.2941	2.	0.073
EGGS PER FEMALE	0.00		
21 KELLICOTTIA BOSTONIENSIS			
12 TOTAL FEMALES (MATURE+IMMA)	0.2941	18.	0.658
02 EGGS	0.2941	4.	0.146
EGGS PER FEMALE	0.22		
32 NOTHOLCA SQUAMULA			
12 TOTAL FEMALES (MATURE+IMMA)	0.2941	1.	0.037
EGGS PER FEMALE	0.00		
B7 POMPHOLYX COMPLANATA			
12 TOTAL FEMALES (MATURE+IMMA)	0.2941	7.	0.256
02 EGGS	0.2941	3.	0.110
EGGS PER FEMALE	0.43		
22 FILINIA SPP			
12 TOTAL FEMALES (MATURE+IMMA)	0.2941	3.	0.110
EGGS PER FEMALE	0.00		

TOTAL DIAPTOMUS COP/L	0.09
TOTAL EPISCHURA COP/L	0.000
TOTAL DAPHNIA FEM-ALL SPECIES	1.682
TOTAL DAPHNIA MAT FEM/L	0.585
TOTAL DAPHNIA EGGS /L	0.658

LAKE SAWYER ZOOPLANKTON

DATE: 03/05/90 (MAR 5) DAY: 64 LITER: 93.48
 NET: 20 DEPTH: 0 TO 9
 REV: 1 STATION: STATION #3
 CODE: SPECIES

STAGE	DIL	NUM	ORG/SAMPLE
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	1.0000	1.	0.011
06 FEMALES (ADULT)	1.0000	2.	0.022
04 COPEPODIDS (IMMATURE)	0.2000	3.	0.161
03 NAUPLII	0.2000	17.	0.914
02 EGGS	1.0000	52.	0.559
EGGS PER FEMALE		26.00	
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	0.2000	0.	0.000
06 FEMALES (ADULT)	0.2000	0.	0.000
04 COPEPODIDS (IMMATURE)	0.2000	0.	0.000
03 NAUPLII	0.2000	2.	0.108
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.2000	125.	6.720
03 NAUPLII	0.2000	207.	11.129
02 EGGS	0.2000	50.	2.688
EGGS PRESENT, FEMALES NOT SEPARATED			
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	0.2000	7.	0.376
14 IMMATURE FEMALES	0.2000	7.	0.376
02 EGGS	0.2000	12.	0.645
EGGS PER FEMALE		1.71	
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	0.2000	0.	0.000
14 IMMATURE FEMALES	0.2000	0.	0.000
02 EGGS	0.2000	0.	0.000
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	0.2000	11.	0.591
14 IMMATURE FEMALES	0.2000	13.	0.699
02 EGGS	0.2000	2.	0.108
EGGS PER FEMALE		0.18	
09 DIAPHANOSOMA BIRGEI			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	0.	0.000
02 EGGS	0.2000	0.	0.000
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	15.	0.806
02 EGGS	0.2000	2.	0.108
EGGS PER FEMALE		0.13	
B4 KERATELLA COCH & EARLINA			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	190.	10.215
02 EGGS	0.2000	65.	3.495
EGGS PER FEMALE		0.34	
20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES (MATURE+IMMA)	0.2000	10.	0.538
02 EGGS	0.2000	2.	0.108
EGGS PER FEMALE		0.20	

23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES(MATURE+IMMA	0.2000	3.	0.161
02 EGGS	0.2000	1.	0.054
EGGS PER FEMALE	0.33		
27 CONOCHILUS HIPPOCREPIS			
12 TOTAL FEMALES(MATURE+IMMA	0.2000	3.	0.161
EGGS PER FEMALE	0.00		
19 KERATELLA QUADRATA			
12 TOTAL FEMALES(MATURE+IMMA	0.2000	68.	3.656
02 EGGS	0.2000	16.	0.860
EGGS PER FEMALE	0.24		
B2 TRICHOCERCA ROUSELETTI			
12 TOTAL FEMALES(MATURE+IMMA	0.2000	2.	0.108
EGGS PER FEMALE	0.00		
63 SYNCHAETA PECTINATA			
12 TOTAL FEMALES(MATURE+IMMA	0.2000	50.	2.688
EGGS PER FEMALE	0.00		
25 SYNCHAETA SPECIES			
12 TOTAL FEMALES(MATURE+IMMA	0.2000	12.	0.645
EGGS PER FEMALE	0.00		
35 GASTROPUS STYLIFER			
12 TOTAL FEMALES(MATURE+IMMA	0.2000	3.	0.161
EGGS PER FEMALE	0.00		
21 KELLICOTTIA BOSTONIENSIS			
12 TOTAL FEMALES(MATURE+IMMA	0.2000	1.	0.054
EGGS PER FEMALE	0.00		
32 NOTHOLCA SQUAMULA			
12 TOTAL FEMALES(MATURE+IMMA	0.2000	4.	0.215
EGGS PER FEMALE	0.00		
B7 POMPHOLYX COMPLANATA			
12 TOTAL FEMALES(MATURE+IMMA	0.2000	26.	1.398
02 EGGS	0.2000	4.	0.215
EGGS PER FEMALE	0.15		
TOTAL DIAPTOMUS COP/L	0.19		
TOTAL EPISCHURA COP/L	0.000		
TOTAL DAPHNIA FEM-ALL SPECIES	2.043		
TOTAL DAPHNIA MAT FEM/L	0.968		
TOTAL DAPHNIA EGGS/L	0.753		
TOT DAPHNIA EGGS/MAT FEMALE	0.778		

LAKE SAWYER ZOOPLANKTON

DATE: 04/02/90 (APR 2) DAY: 92 LITER: 93.48
 NET: 20 DEPTH: 0 TO 0
 REV: 1 STATION: STATION #3
 CODE: SPECIES

STAGE	DIL	NUM	ORG/SAMPLE
88 DIAPTOMUS OREGONENSIS			
05 MALES (ADULT)	0.2000	0.	0.000
06 FEMALES (ADULT)	0.2000	2.	0.108
04 COPEPODIDS (IMMATURE)	0.2000	7.	0.376
03 NAUPLII	0.1000	9.	0.968
02 EGGS	0.2000	0.	0.000
EGGS PER FEMALE		0.00	
04 EPISCHURA NEVADENSIS			
05 MALES (ADULT)	1.0000	0.	0.000
06 FEMALES (ADULT)	1.0000	0.	0.000
04 COPEPODIDS (IMMATURE)	1.0000	0.	0.000
03 NAUPLII	0.1000	3.	0.323
05 CYCLOPS BICUSPIDATUS THOM			
07 MALES+FEMALES+IMM COPEPOD	0.2000	195.	10.484
03 NAUPLII	0.1000	86.	9.247
02 EGGS	0.2000	71.	3.817
EGGS PRESENT, FEMALES NOT SEPARATED			
71 DAPHNIA PULICARIA			
06 FEMALES (ADULT)	0.2000	12.	0.645
14 IMMATURE FEMALES	0.2000	24.	1.290
02 EGGS	0.2000	12.	0.645
EGGS PER FEMALE		1.00	
13 DAPHNIA THORATA			
06 FEMALES (ADULT)	0.2000	0.	0.000
14 IMMATURE FEMALES	0.2000	1.	0.054
02 EGGS	0.2000	0.	0.000
55 DAPHNIA GALEATA			
06 FEMALES (ADULT)	0.2000	14.	0.753
14 IMMATURE FEMALES	0.2000	29.	1.559
02 EGGS	0.2000	45.	2.419
EGGS PER FEMALE		3.21	
09 DIAPHANOSOMA BIRGEI			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	0.	0.000
02 EGGS	0.2000	0.	0.000
10 BOSMINA LONGIROSTRIS			
12 TOTAL FEMALES(MATURE+IMMA)	0.2000	115.	6.183
02 EGGS	0.2000	36.	1.935
EGGS PER FEMALE		0.31	
B4 KERATELLA COCH & EARLINAE			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	788.	84.731
02 EGGS	0.1000	121.	13.011
EGGS PER FEMALE		0.15	
20 KELLICOTTIA LONGISPINA			
12 TOTAL FEMALES(MATURE+IMMA)	0.1000	37.	3.978
02 EGGS	0.1000	24.	2.581
EGGS PER FEMALE		0.65	

23 POLYARTHRA VULGARIS GROUP			
12 TOTAL FEMALES(MATURE+IMMA	0.1000	13.	1.398
02 EGGS	0.1000	0.	0.000
EGGS PER FEMALE 0.00			
26 CONOCHILUS UNICORNIS			
12 TOTAL FEMALES(MATURE+IMMA	0.1000	19.	2.043
EGGS PER FEMALE 0.00			
19 KERATELLA QUADRATA			
12 TOTAL FEMALES(MATURE+IMMA	0.1000	50.	5.376
02 EGGS	0.1000	10.	1.075
EGGS PER FEMALE 0.20			
B2 TRICHOCERCA ROUSELETTI			
12 TOTAL FEMALES(MATURE+IMMA	0.1000	24.	2.581
EGGS PER FEMALE 0.00			
63 SYNCHAETA PECTINATA			
12 TOTAL FEMALES(MATURE+IMMA	0.1000	46.	4.946
EGGS PER FEMALE 0.00			
25 SYNCHAETA SPECIES			
12 TOTAL FEMALES(MATURE+IMMA	0.1000	8.	0.860
EGGS PER FEMALE 0.00			
35 GASTROPUS STYLIFER			
12 TOTAL FEMALES(MATURE+IMMA	0.1000	24.	2.581
EGGS PER FEMALE 0.00			
73 ASCHOMORPHA OVALIS (CHROM			
12 TOTAL FEMALES(MATURE+IMMA	0.1000	2.	0.215
EGGS PER FEMALE 0.00			
B3 ASPLANCHNA PRIODONTA(SAWY			
12 TOTAL FEMALES(MATURE+IMMA	0.1000	6.	0.645
EGGS PER FEMALE 0.00			
32 NOTHOLCA SQUAMULA			
12 TOTAL FEMALES(MATURE+IMMA	0.1000	1.	0.108
EGGS PER FEMALE 0.00			
B7 POMPHOLYX COMPLANATA			
12 TOTAL FEMALES(MATURE+IMMA	0.1000	18.	1.935
02 EGGS	0.1000	3.	0.323
EGGS PER FEMALE 0.17			
33 NOTHOLCA ACUMINATA			
12 TOTAL FEMALES(MATURE+IMMA	0.1000	2.	0.215
EGGS PER FEMALE 0.00			
TOTAL DIAPTOMUS COP/L	0.48		
TOTAL EPISCHURA COP/L	0.000		
TOTAL DAPHNIA FEM-ALL SPECIES	4.301		
TOTAL DAPHNIA MAT FEM/L	1.398		
TOTAL DAPHNIA EGGS/L	3.065		
TOT DAPHNIA EGGS/MAT FEMALE	2.192		

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APPENDIX D

**Lake Sawyer
Benthic Macroinvertebrates**

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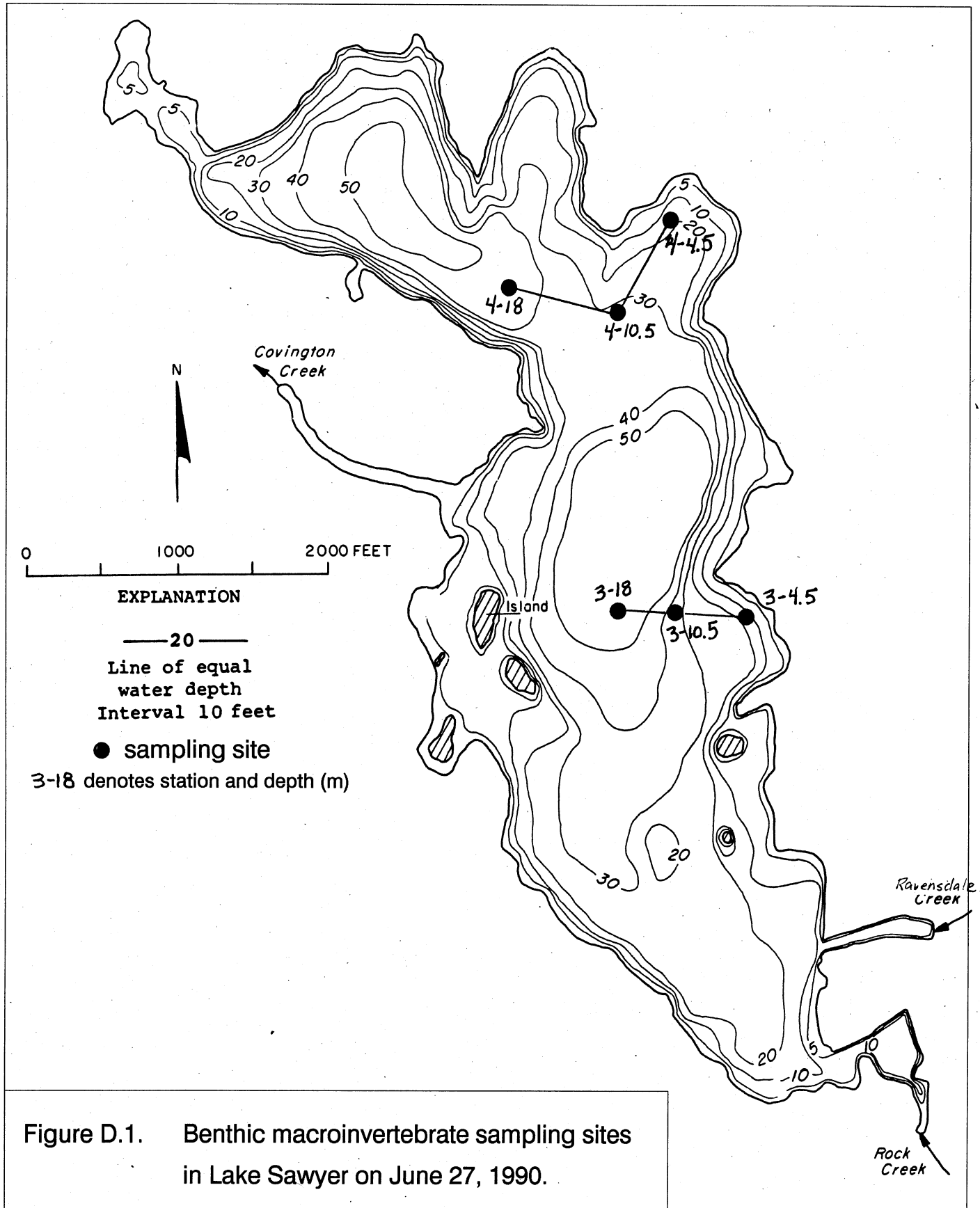


Table D.1. Benthic macroinvertebrate abundance in Lake Sawyer (June 27, 1990).

Taxonomic Group	3-4.5-A	3-4.5-B	3-10.5-A	3-10.5-B	3-18-A	3-18-B	4-4.5-A	4-10.5-A	4-18-A
Diptera (midges)									
Chaoboridae larvae									
<u>Chaoborus</u> sp.				43	43	43			
Chaoboridae pupae									
<u>Chaoborus</u> sp.					86	43			
Chironomidae larvae									
<u>Chironomus chironomus</u>	258	43	388	301	388	86	86	560	646
<u>Chironomus einfeldia</u>		43							
<u>Chironomus tribelos</u>			43	86				86	
<u>Chironomus</u> sp.						43	43	43	
<u>Procladius</u> sp.		86	86	86			215	86	86
Oligochaeta (earthworms)									
Naididae	86		344	344	388	43			301
Amphipoda (scuds)									
Talitridae									
<u>Hyaella azteca</u>	86	43							
Pelecypoda (clams)									
Sphaeriidae	43								
Hirudinea (leeches)									
		301							
Eucopepoda (copepods)									
Harpacticoida		43							
Cladocera (cladocerans)									
Daphnidae			43						
TOTAL	473	559	904	860	905	258	344	775	1030

Table D.2. Water column profile data on June 27, 1990.

Station	Time	Depth (m)	Temp (C)	DO (mg/L)	pH	Cond (umhos)
3-18	1145	0	22.2	11.1	8.46	128
		1	21.5		8.5	128
		2	19.9		8.38	121
		3	16.8	14.8	8.36	112
		4	13.8		7.25	110
		5	11.8		7.01	101
		6	9.9	2.8	6.92	99
		7	8.3		6.91	95
		8	8.2		6.88	98
		9	8.3	2.5	6.85	97
		10	7.3		6.92	92
		11	7.5		6.93	98
		12	7.6	2.1	6.84	100
		13	7.5		6.88	98
		14	7.3		6.87	100
15	7.3	0.8	6.85	100		