Sollberger

Investigation of Vertical and Seasonal Distribution, Abundance and Size Structure of Zooplankton in Lake Powell

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Investigation of Vertical and Seasonal Distribution, Abundance and Size Structure of Zooplankton in Lake Powell

Submitted to:
Utah Division of Wildlife Resources

by

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I. INTRODUCTION

The Utah Division of Wildlife Resources (UDWR) is currently considering introducing a pelagic fish species into Lake Powell in order to increase the forage base for the declining striped bass (*Morone saxatilis*) population (Gustaveson and Bonebrake 1987). Not only has the striped bass population suffered, but largemouth bass (*Micropterus salmoides*) and walleye (*Stizostedion vitreum*) have suffered as well from the low forage base (Gustaveson and Bonebrake 1987).

Up to this time, threadfin shad (*Dorosoma petenense*) has been the only forage fish for pelagic predators in Lake Powell. During summer stratification, threadfin shad primarily occupy the epilimnetic and metalimnetic regions of the lake (Netsch *et al.* 1971). However, rainbow smelt (*Osmerus mordax*), the newly proposed pelagic forage fish species, is expected to occupy the cooler metalimnetic and hypolimnetic water during stratification (Gustaveson and Bonebrake 1987).

A monitoring and research program to investigate the zooplankton community in Lake Powell began in August 1987 and ended in June 1988. This study was designed to evaluate the available food resources for supporting a second forage fish species in this reservoir.

II. OBJECTIVES

The principle objectives of the study were to:

- o Describe zooplankton species composition in Lake Powell.
- o Assess spatial and temporal variation in zooplankton abundances.
- o Description of vertical distribution and migration of zooplankton.
- o Compare the nutritional condition of epilimnetic and hypolimnetic zooplankton by lipid content, ovary development and egg ratios.

III. LAKE POWELL LIMNOLOGICAL HISTORY

Lake Powell is the first in a series of large reservoirs on the main stem on the Colorado River. Like other reserviors in this system, Lake Powell is considered oligotrophic based on chlorophyll-a (chl-a) concentrations (Paulson and Baker 1983a).

Typically, inorganic nitrogen is high in Lake Powell, but bio-available phosphorus and orthophosphorus are low resulting in low algal biomass throughout most of the reservoir (Paulson and Baker 1983a). Algal biomass (chl-a) is generally highest up-lake near the Colorado River inflow and averaged about 5 $\mu g\ l^{-1}$ at Hite during 1981-82 (Figure 1). Average chl-a concentrations throughout most of the reservoir, however, were about 1.5 $\mu g\ l^{-1}$ during 1981-82 (Paulson and Baker 1983a).

Lake Powell is isothermal at about 10° C in the winter. In mid to late spring the surface waters begin to warm (Paulson and Baker 1983a). By June

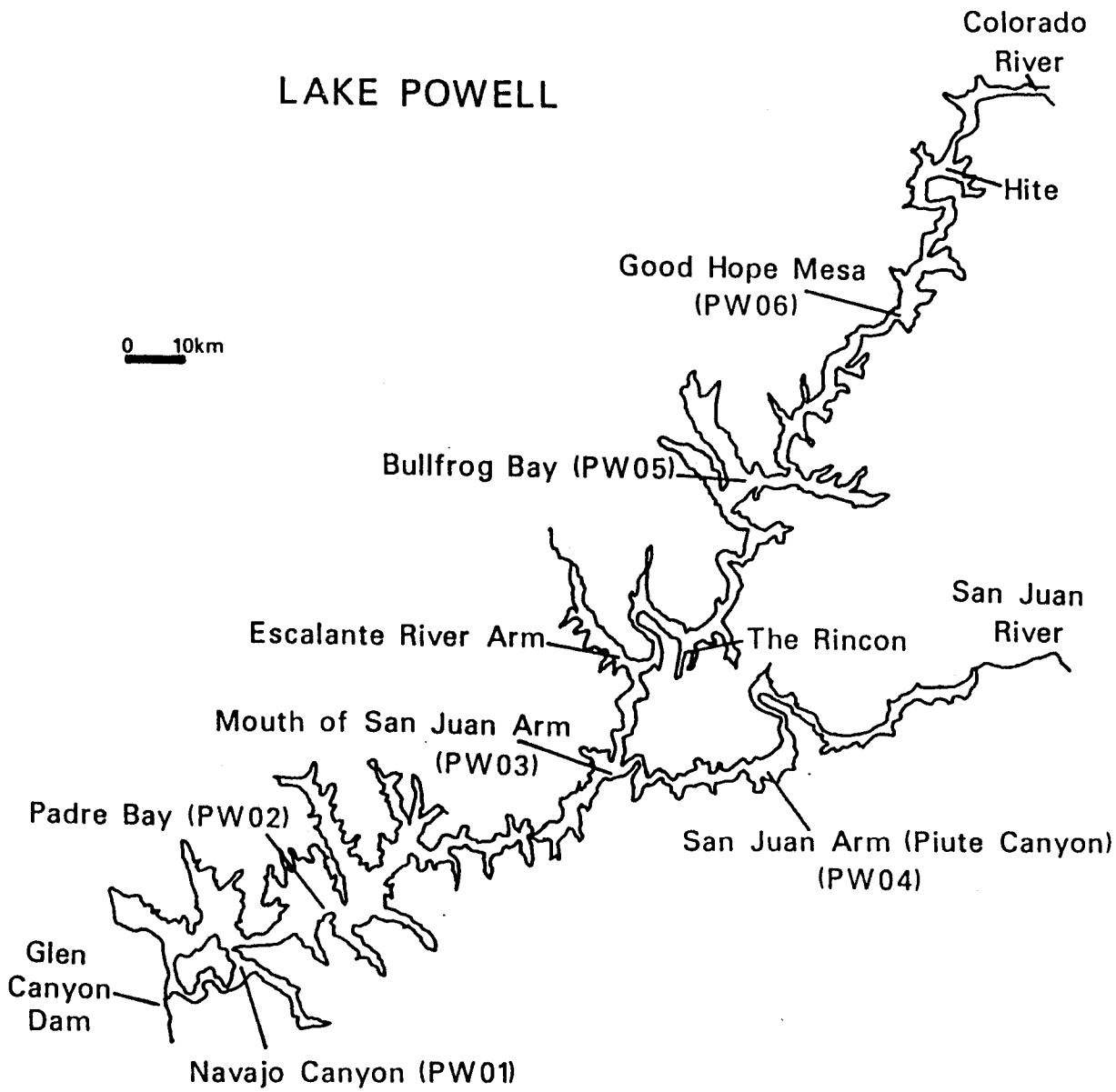


Figure 1. Map of Lake Powell showing locations of sampling stations.

the reservoir is well stratified and the thermocline is generally located between 12-16 m. Maximum surface temperatures throughout the summer reach about 26-28° C. Destratification begins in October, and by January the reservoir is mixed (Paulson and Baker 1983a).

IV. ZOOPLANKTON HISTORY

The abundance and seasonal distribution of zooplankton in Lake Powell were studied by Stone and Rathbun from February 1968 to January 1969. Although many different types of plankton were found, the dominant genera were *Daphnia*, *Cyclops* and *Diaptomus*. Total zooplankton densities peaked primarily during the spring and early summer in the mid- to up-lake areas of the lake (Stone and Rathbun 1969). During most of this time, zooplankton densities were less than 50 l^{-1} in the upper 30 m of the water column; however, during June 1968 at Escalante and Rincon zooplankton abundances approached 100 l^{-1}. Densities, though, were usually less than 15 l^{-1} at other times of the year. Most areas sampled down-lake rarely exceeded 20 zooplankton l^{-1} and showed little seasonal variation. Zooplankton were generally found in the upper 7 m while densities declined rapidly below this depth (Stone and Rathbun 1969).

Zooplankton studies during 1981-82 (Paulson, unpubl. data) showed similar seasonal patterns as were found in Lake Powell in 1968. Zooplankton abundances during spring and early summer were always highest at mid- and up-lake sites, while no seasonal changes occurred at down-lake sites.

Zooplankton densities at Hite were slightly greater than 60 l^{-1} during the spring, but were similar to the rest of the lake during other seasons. At nearly all of the other sampling stations, zooplankton densities rarely exceeded 20 l^{-1} throughout the year.

V. SAMPLING SITES

Six study sites were chosen for zooplankton and water quality sampling in Lake Powell (Figure 1). Five stations were located along the main stem of the reservoir, with a sixth station located in the San Juan Arm. The approximate bottom depths and depths of zooplankton sampling for each station are shown in Table 1.

VI. METHODS

A. Collection of Limnological Data

1. Physical and Chemical Measurements

Several limnological parameters which are important in zooplankton distribution were measured during the study. Dissolved oxygen (DO) and temperature were measured to a maximum depth of 60 m using a YSI-57 meter. A Hydrolab Survyer II was used to measure these parameters to a depth of 75 m in March. Temperature and DO measurements during June were collected only at stations PW01 and PW02 because the YSI-57 meter was unavailable.

Table 1. Zooplankton sampling sites, approximate depths of sites and sampling depths.

Location	Approximate Depth (m)	Sampling Depths (m)
Navajo Canyon (PW01)	> 100	0-10, 10-20, 20-40, 40-75, 75-100
Padre Bay (PW02)	> 100	same as PW01
Mouth of San Juan Arm (PW03)	> 100	0-10, 10-20, 20-30, 30-40, 40-50, 50-75, 75-100
San Juan Arm (Piute Canyon) (PW04)	70	0-10, 10-20, 20-40, 40-bottom
Bullfrog Bay (PW05)	75	0-10, 10-20, 20-40, 40-75
Good Hope Mesa (PW06)	75	same as PW05

2. Algal Biomass

Integrated water samples were collected with a 0-5 m tube sampler to determine algal biomass. One liter of water was filtered through a GF-C filter and the filter was frozen to later be analysed in the laboratory for chl-a (see Kellar *et al.* 1981 for methods).

3. Sampling of Zooplankton

Duplicate zooplankton samples were collected at each station using an 80 um mesh closing Wisconsin net. Samples were preserved in 5% formalin-sucrose solution. Table 1 shows the depths zooplankton were collected at each station. Samples were collected during August (24-26), September (21-22) and November (23-24) of 1987, and March (29-30), April (25-26) and June (27-28) of 1988.

B. Zooplankton Identification and Enumeration

Zooplankton were identified to species if possible using keys by Pennak (1978) and Edmondson (1959). In most cases, samples were quantified by counting three subsamples (see Kellar *et al.* 1981). However, some samples were very dilute; therefore, all plankton in a sample were counted. The densities from duplicate samples at each depth were averaged and are expressed as either N m^{-3} or N m^{-2} throughout this report.

Attached and free floating eggs were also counted. Since eggs of species in the same genera could not be distinguished when loose, they had to be classified as either cyclopoid, calanoid or *Daphnia* eggs. Egg ratios per

adult female cyclopoid, calanoid, and *Daphnia* were calculated at 0-20 m and 20-100 m (or bottom).

C. Lipid - Ovary Analysis

Separate samples were collected to determine the nutritional condition of the cladoceran population. Samples were collected in vertical tows from 0-20m, 20-40m and 40-100 (or bottom) with an 80 um mesh closing Wisconsin net. Two tows from each depth were collected and combined into one in order to gather enough animals to index. Lipid-ovary analysis was only done at stations PW01, PW03, PW04 and PW06.

Lipid (triglyceride droplet) accumulation and ovary development in *Daphnia galeata* and *D. pulex* were measured by staining with Sudan Black B. Lipids were indexed by scoring individual animals on a scale of 0-3 (Tessier and Goulden 1982). A score of zero indicated no lipid droplets visible, while a score of three was the highest amount present. Ovary development followed the same scoring procedure (Tessier and Goulden 1982). *Daphnia galeata* and *D. pulex* were grouped together as *Daphnia* and lipid and ovary scores for each individual plankton were added together to give the total lipid-ovary index.

D. Population Size Structure

The Navajo Canyon (PW01) station, a typical deep water station in Lake Powell, was chosen to determine size-frequency distribution of the zooplankton population. Up to 20 individual animals of each major species of copepods and cladocerans were measured to the nearest 0.01 mm. Since most rotifers were less than 0.1 mm they were not measured, but grouped in the size category

between 0-0.1 mm. *Syncheata* spp. was the only abundant rotifer larger than 0.1 mm and, therefore, individuals were measured. Zooplankton sizes were measured at depths 0-20 m, 20-40 m and 40-100 m (or bottom).

Zooplankton densites at PW01 were averaged between 0-10 m and 10-20 m, and a weighted-average was calculated for densities between 40-75 m and 75-100 m (or bottom). These densities were then used to calculate size-frequency distibution at 0-20 m, 20-40 m and 40-100 m (or bottom).

E. Biomass Estimates

Zooplankton biomass was estimated using equations calculated by Bottrell *et al.* (1976) (Table 2). No mass-length regression equations were recorded for species found in Lake Powell. Biomass estimates were calculated using data on comparable species from other systems (Bottrell *et al.* 1976).

Biomass for each species, was calculated at every 0.3 mm and multiplied to the total number of animals in each size catagory. Since zooplankton measurements were taken from PW01 at 0-20 m, 20-40 m and 40-100 m (or bottom) biomass was also estimated at station PW01 at these depths.

VII. RESULTS

A. Limnological Data

1. Physical and Chemical Measurements

Typical temperature profiles were plotted for stations PW01 and PW06

Table 2. Mass-length regression equations of similar size zooplankton species to those in Lake Powell, used to calculate biomass (from Bottrell et al. 1976).

Group	Regression equation	Species (length, mm)
Cladocerans	ln W (ug dry wt) = 1.7769+2.7166 ln(L,mm)	*Daphnia* spp. (0.6-4.8 mm)
Cyclopoids	ln W (ug dry wt) = 2.2128+2.2947 ln(L,mm)	*Cyclops abyssorum* (0.66-1.70 mm)
Calanoids	ln W (ug dry wt) = 1.2431+2.2634 ln(L,mm)	*Diaptomus gracilis* (0.3-1.85 mm)
Nauplii	ln W (ug dry wt) = 2.5442+2.3696 ln(L,mm)	*Cyclops scutifer* (0.14-0.29)

during each sampling date (Figure 2). Surface temperatures during the summer were about 25 C throughout the reservoir, however, the thermocline at station PW06 was about 3 m deeper (16-17 m) than at PW01 (13-14 m). Hypolimnetic temperatures rapidly declined below the thermocline to about 10 C at both stations.

During September, surface temperatures and the depth of the thermocline dropped slightly and by November the reservoir began to destratify (Fig. 2). During early spring, the lake was isothermal at about 10 C and by April the surface water began to warm. The lake was well stratified by early summer with a thermocline between 7-8 m (Fig. 2). Temperature measurments for all stations are presented in Appendix A.

Dissolved oxygen concentrations were always highest in the epilimnion during summer and early fall and ranged from 6.5-7.5 mg l^{-1} (App. A). DO concentrations at the thermocline declined to 6.0-3.0 mg l^{-1} and slowly increased by at least 1.0 mg l^{-1} in the hypolimnion. During late fall, DO at the surface was 7.5-8.0 mg l^{-1} throughout the reservoir and slowly declined in the hypolimnion to about 3.2 mg l^{-1} at down-lake stations and to about 4.1 mg l^{-1} farther up-lake.

During spring, DO concentrations in the surface waters were the highest measured in the study at 8.5-9.0 mg l^{-1}. DO slowly declined to 5.5-7.7 mg l^{-1} from 30-60 m deep and then increased again in the hypolimnion.

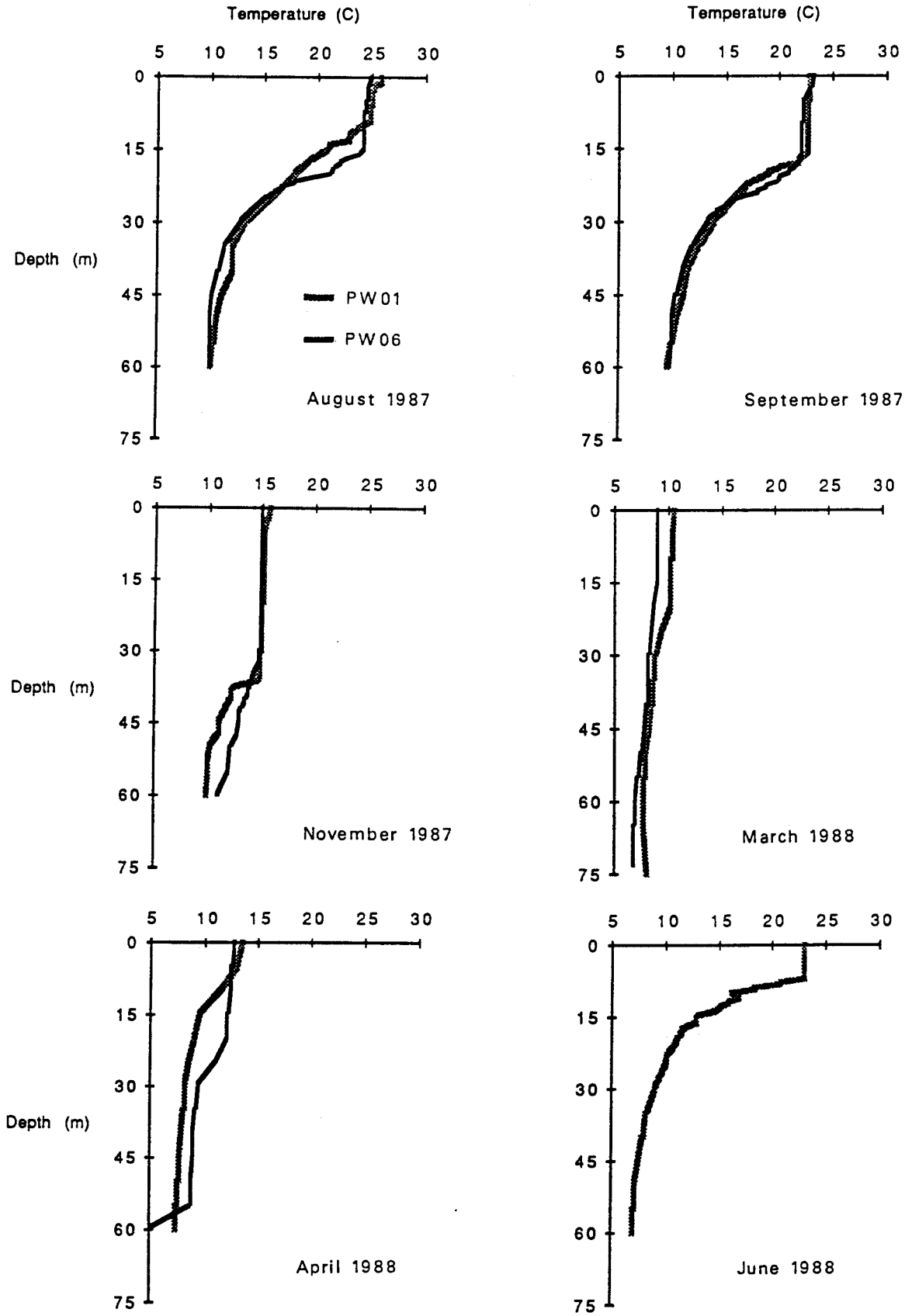


Figure 2. Temperature profiles at stations PW01 and PW06 in Lake Powell between August 1987 and June 1988.

2. Algal Biomass

Algal biomass was generally highest up-lake (PW05 and PW06) during the summer and fall. Chl-a concentrations ranged from about 3.0-3.9 $\mu g\ l^{-1}$ during these periods at station PW06 and ranged from about 1.5-3.1 $\mu g\ l^{-1}$ at station PW05. Chl-a concentrations throughout the rest of the reservoir ranged from 0.4-2.1 $\mu g\ l^{-1}$ during the summer and fall (Table 3).

During the spring, however, the down-lake portions of the reservoir had the highest chl-a values. At stations PW01 and PW02 Chl-a concentrations during March were 0.9-1.5 $\mu g\ l^{-1}$ while the rest of the lake had chl-a concentrations ranging from about 0.7-0.8 $\mu g\ l^{-1}$. In April, algal biomass was about 1.7-1.8 $\mu g\ l^{-1}$ at PW01, PW02 and PW03. The highest chl-a concentration measured up-lake was 0.8 $\mu g\ l^{-1}$ (Table 3).

B. Zooplankton Dynamics

1. Zooplankton Species Composition

The zooplankton community structure in Lake Powell is very similar to that of reservoirs down-river, i.e. lakes Mead, Mohave (Paulson *et al.* 1980) and Havasu (Sollberger 1987a). A very diverse community exists (36 species were encountered during this study). Eight species were copepods, 13 species were cladocerans and at least 15 species of rotifers were identified during the study. Although many species occur in Lake Powell most were rare in abundance. The most common species found were the copepods *Cyclops*

Table 3. Algal biomass, expressed as uncorrected chorophyll-a (ug l^{-1}) and phaeophytin concentrations from all stations in Lake Powell between August 1987 and June 1988. All samples were intergrated from 0-5 m.

	PW01		PW02		PW03	
Date	chl-a	phaeo	chl-a	phaeo	chl-a	phaeo
August	1.260	0.240	1.131	-0.400	1.812	0.267
September	2.133	-0.267	1.785	0.267	1.567	-0.107
November	0.406	-0.071	0.893	-0.139	1.348	-0.254
March	1.507	-1.041	0.913	-0.660	0.797	-0.961
April	1.670	-0.178	1.721	-0.327	1.784	-0.218
June	1.451	-0.521	1.336	-0.480	1.922	-0.454
	PW04		PW05		PW06	
August	2.349	-.0614	2.378	-.0160	3.147	-0.668
September	2.379	-0.160	3.148	-0.668	3.945	-0.721
November	1.855	-0.547	1.580	-0.788	3.038	-0.627
March	0.826	-0.687	0.711	-0.761	0.798	-0.734
April	0.805	-0.173	0.586	0.155	0.720	-0.165
June	3.482	-0.280	2.743	-0.186	3.352	-0.974

bicuspidatus, *Mesocyclops edax* and *Diaptomus ashlandi* and the cladocerans *Bosmina longirostris*, *Daphnia galeata* and *D. pulex*. The common rotifers were *Collotheca* sp., *Polyarthra* sp. and *Syncheata* sp. (Table 4).

2. Horizontal and Seasonal Zooplankton Densities

Four sampling stations in Lake Powell where chosen to characterize zooplankton in a down-lake area (PW01), a mid-lake area (PW03), the San Juan Arm (PW04) and an up-lake area (PW06). Zooplankton densities measured at these and other stations during this study are presented in Appendix B.

The seasonal patterns in densities of copepods, cladocerans and rotifers at the four main stations are summarized in Figure 3. Copepods were the dominant group throughout the entire sampling period. Stations PW03, PW04 and PW06 had low numbers of copepods throughout the summer and fall with densities generally never exceeding $2x10^5$ m^{-2}. Densities, however, increased in the spring. Station PW06 had the highest density, about $9x10^5$ m^{-2}, and densities approached $8x10^5$ m^{-2} at PW05. The spring peak at station PW03 reached $4x10^5$ m^{-2}.

Patterns in copepod densities were different at station PW01 with peak densities occuring during the summer rather than in the spring as in up-lake areas (Figure 3). During summer, copepod densities reached $6x10^5$ m^{-2}, but in spring and fall fell to between $2.5\text{-}3x10^5$ m^{-2}.

Total cladoceran densities were typically low throughout most of the sampling period (Figure 3). Densities during summer and fall were less than

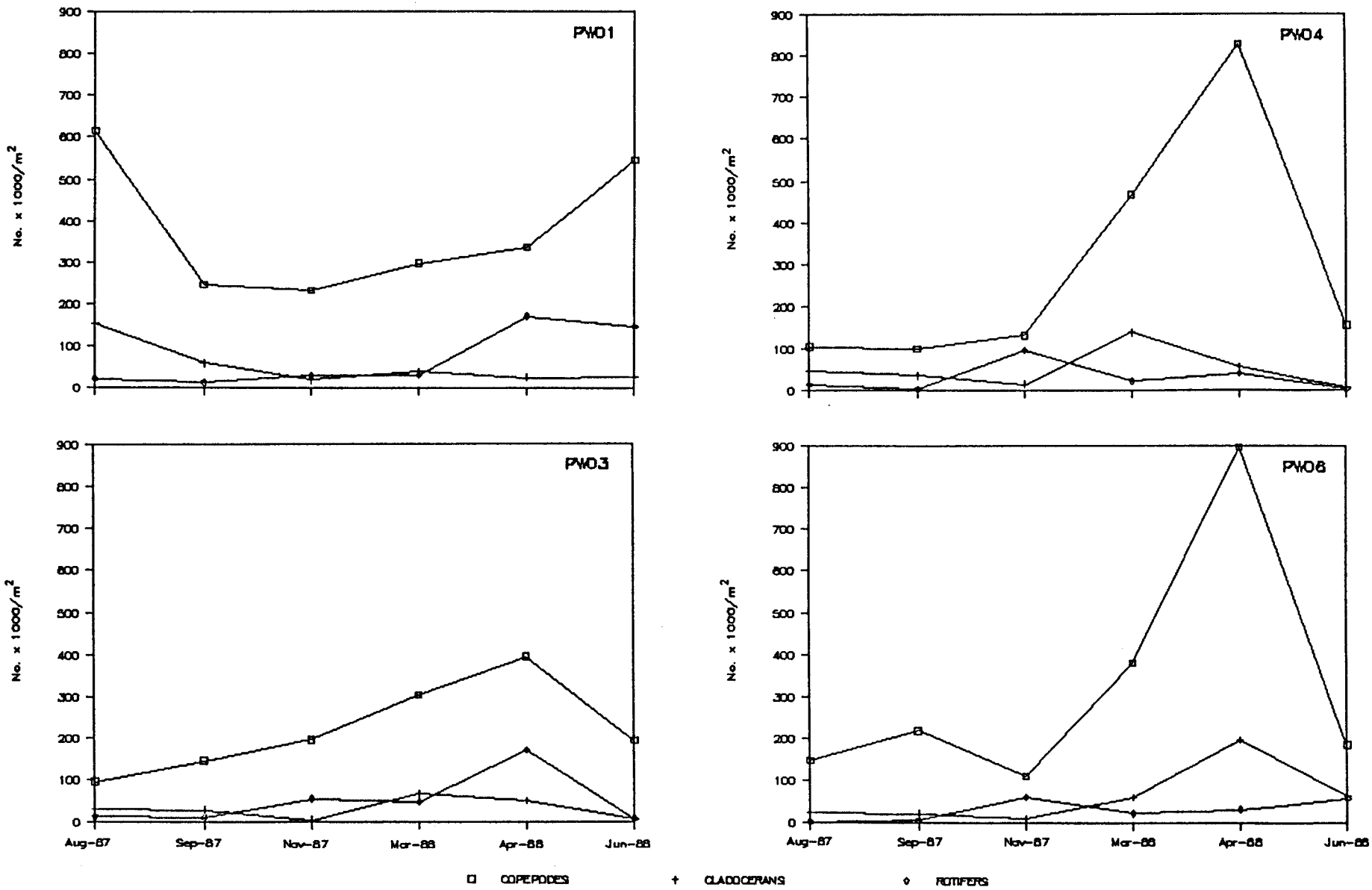


Figure 3. Total copepod, cladoceran and rotifer densities at stations PW01, PW03, PW04 and PW06 in Lake Powell between August 1987 and June 1988.

Table 4. Zooplankton found in Lake Powell and relative commonness (A=abundant, C=common and R=rare).

Species	commonness
Copepoda	
Cyclops bicuspidatus	A
Eucyclops agilis	R
Mesocyclops edax	C
Diaptomus ashlandi	A
D. clavipes	R
D. reighardi	R
D. sicsiloides	R
Onychocamptus mohammed	R
Cladocera	
Alona guttata	R
A. quadranularis	R
Bosmina longirostris	C
Ceriodaphnia lacustris	R
Chydorus sphaericus	R
Daphnia galeata	C
D. pulex	A
D. schodleri	R
Diaphanosoma leuchtenbergianun	R
Ilyocryptus spinifer	R
Leptodora kendtii	R
Leydigia quadrangularis	R
Macrothrix laticornis	R
Rotifera	
Ascomorpha saltans	R
Asplanchna priodonta	R
Brachionus sp.	R
Collotheca sp.	C
Conochilus sp.	R
Filinia sp.	R
Hexarthra sp.	R
Keratella cochlearis	R
K. quadrata	R
Lecane spp.	R
Pleosoma sp.	R
Polyarthra sp.	A
Syncheata sp.	A
Trichocerca cylindrica	R
Trichotria sp.	R

$0.5x10^5$ m^{-2}, while those in spring increased to $1.0-1.5x10^5$ m^{-2} throughout the lake.

Rotifer densities were always low and showed little seasonal differences among stations (Figure 3). Densities were less than $0.5x10^5$ m^{-2} most of the time except during April at PW03 when their abundance slightly exceeded $1x10^5$ m^{-2}.

Total densities of the dominant juvenile and adult copepods are presented in Figures 4-8. Juvenile copepods (nauplii and copepodites) (Figures 4-6) were more abundant than adults (*D. ashlandi* and *C. bicuspidatus*) (Figures 7 and 8). Peak copepod nauplii densities at stations PW03, PW04 and PW06 occurred during the spring, however, nauplii densities increased during the summer at PW01.

Although less abundant than nauplii, *Diaptomus* copepodites showed a similar seasonal pattern in abundance at stations PW03, PW04 and PW06 (Figure 5). On the other hand, at PW01, *Diaptomus* copepodites showed the greatest densites during the fall and early spring. Cyclopoid copepodite densities were low at all stations, but generally showed slight increases in abundance during spring and fall. At station PW01, cyclopoid copepodite densities were highest in summer, having a similar seasonal pattern as nauplii (Figure 6).

Adult *C. bicuspidatus* had a greater average population density down-lake (PW01) than elsewhere in the reservoir. Their density at PW01 was highest during the summer; however, densities were highest in spring at stations PW04 and PW06. Station PW03 had low *C. bicuspidatus* concentrations throughout the year, but with a slight increase in early summer (Figure 7).

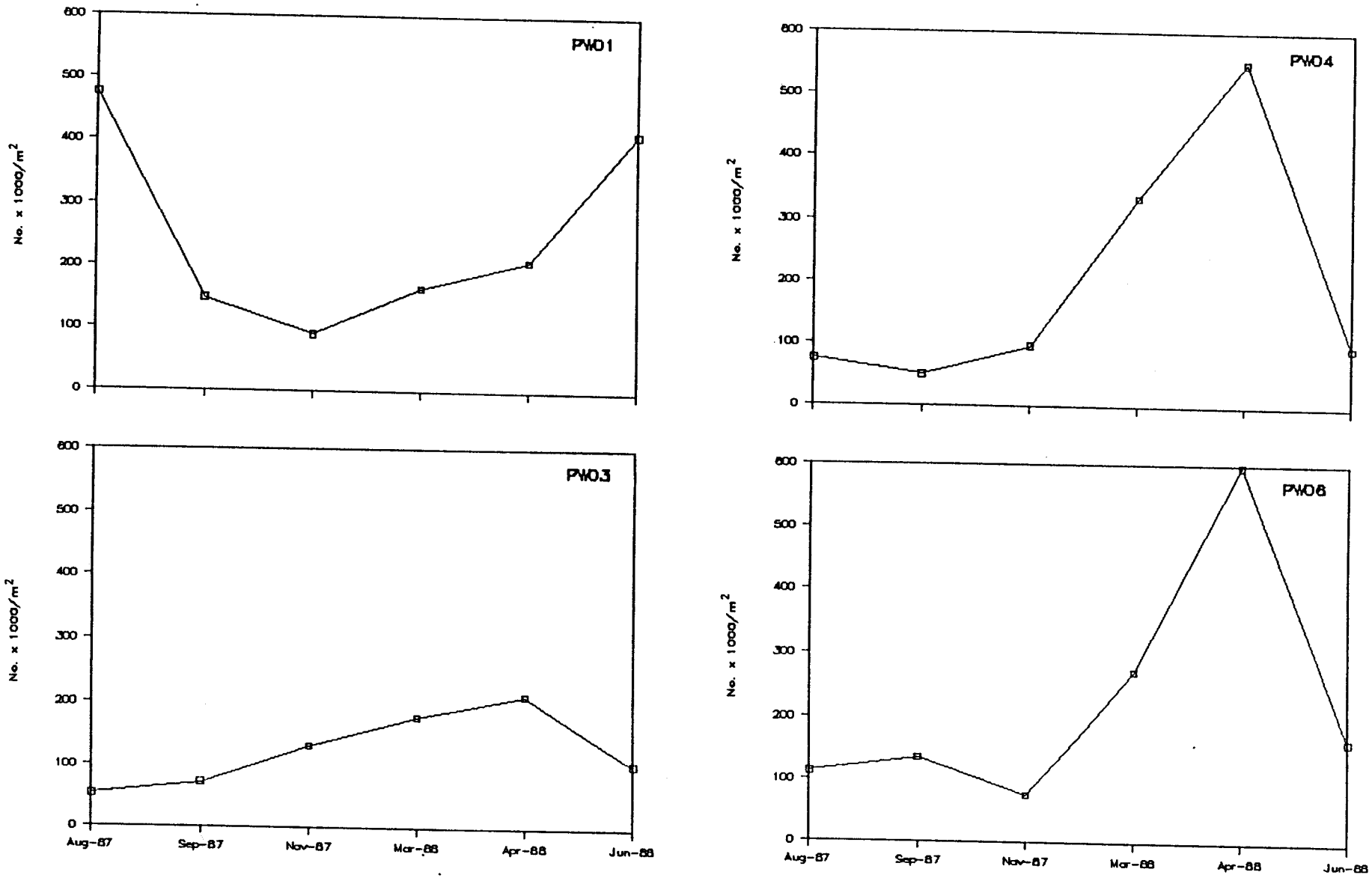


Figure 4. Copepod nauplii densities at stations PW01, PW03, PW04 and PW06 in Lake Powell between August 1987 and June 1988.

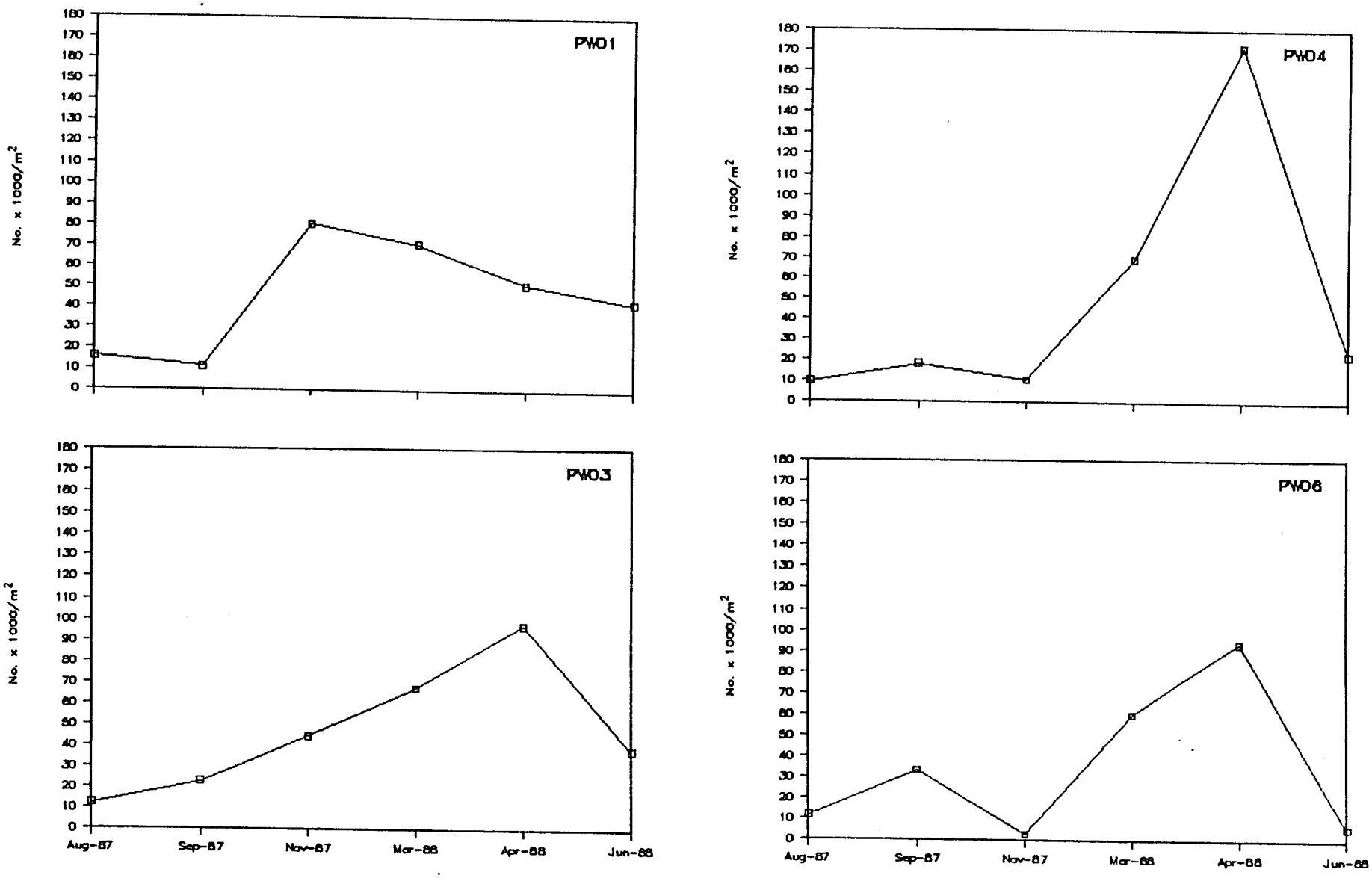


Figure 5. Diaptomus copepodite densities at stations PW01, PW03, PW04 and PW06 in Lake Powell between August 1987 and June 1988.

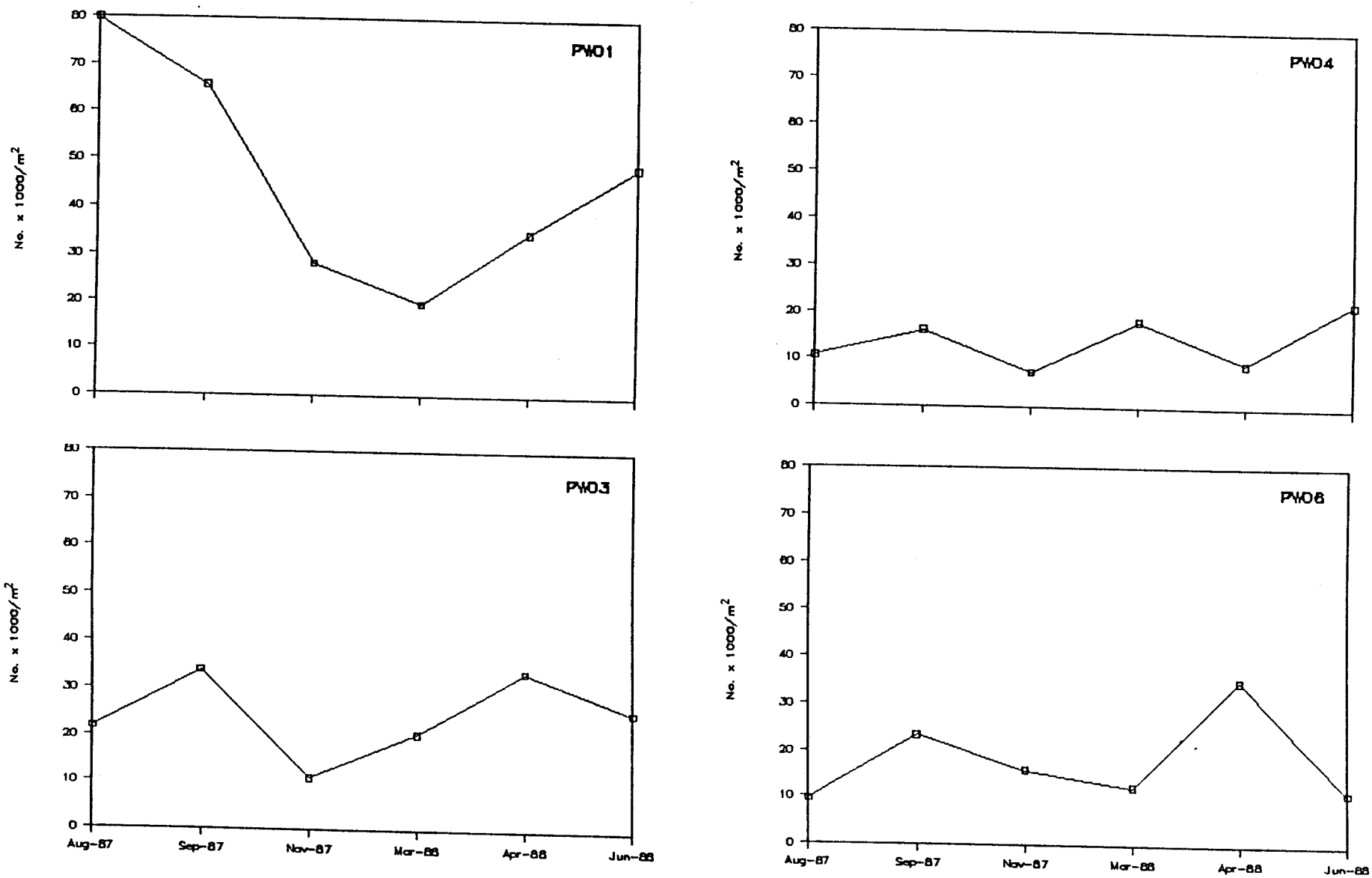


Figure 6. Cyclopoid copepodite densities at stations PW01, PW03, PW04 and PW06 in Lake POwell between August 1987 and June 1988.

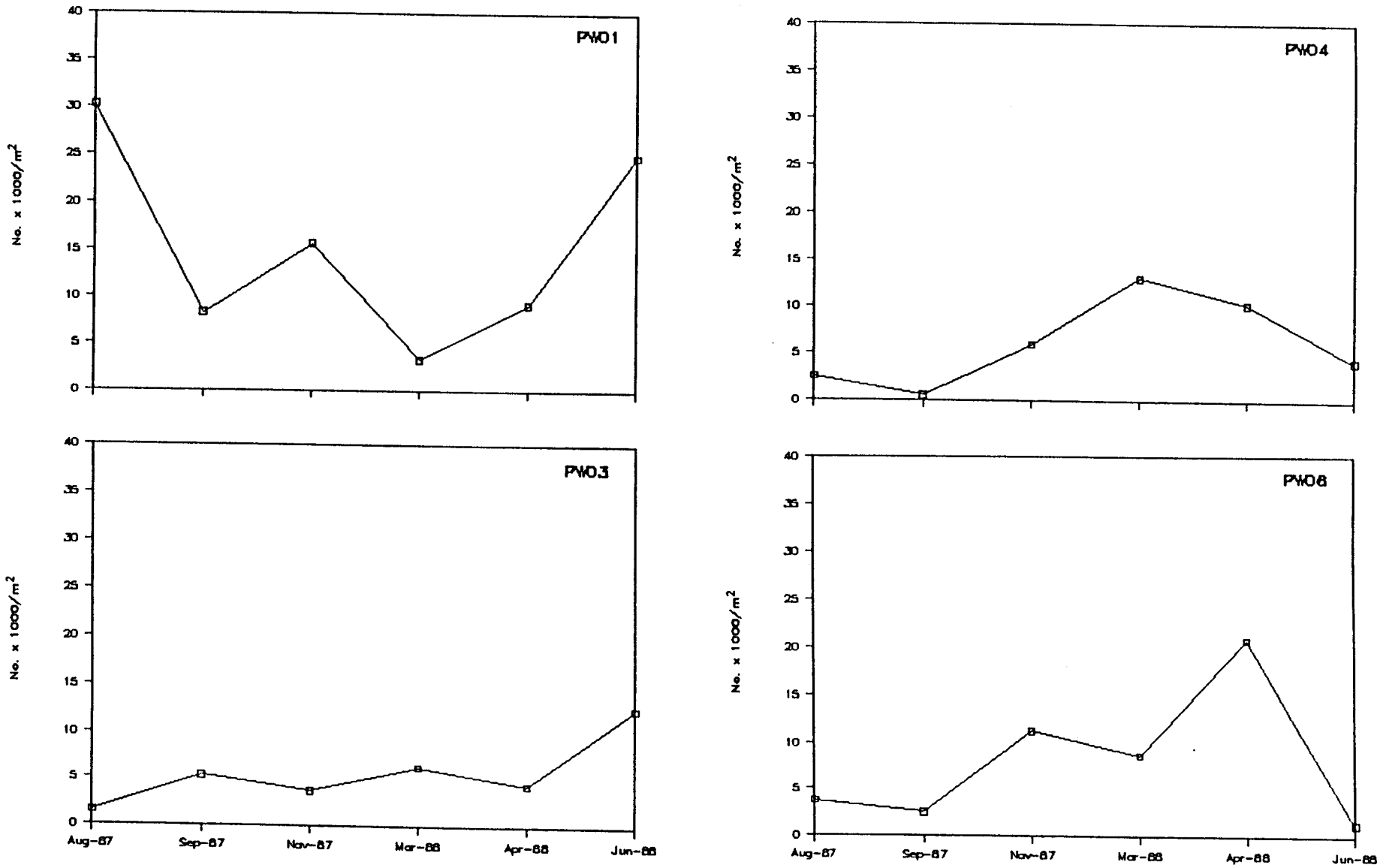


Figure 7. Cyclpos bicuspidatus densities at stations PW01, PW03, PW04 and PW06 in Lake Powell between August 1987 and June 1988.

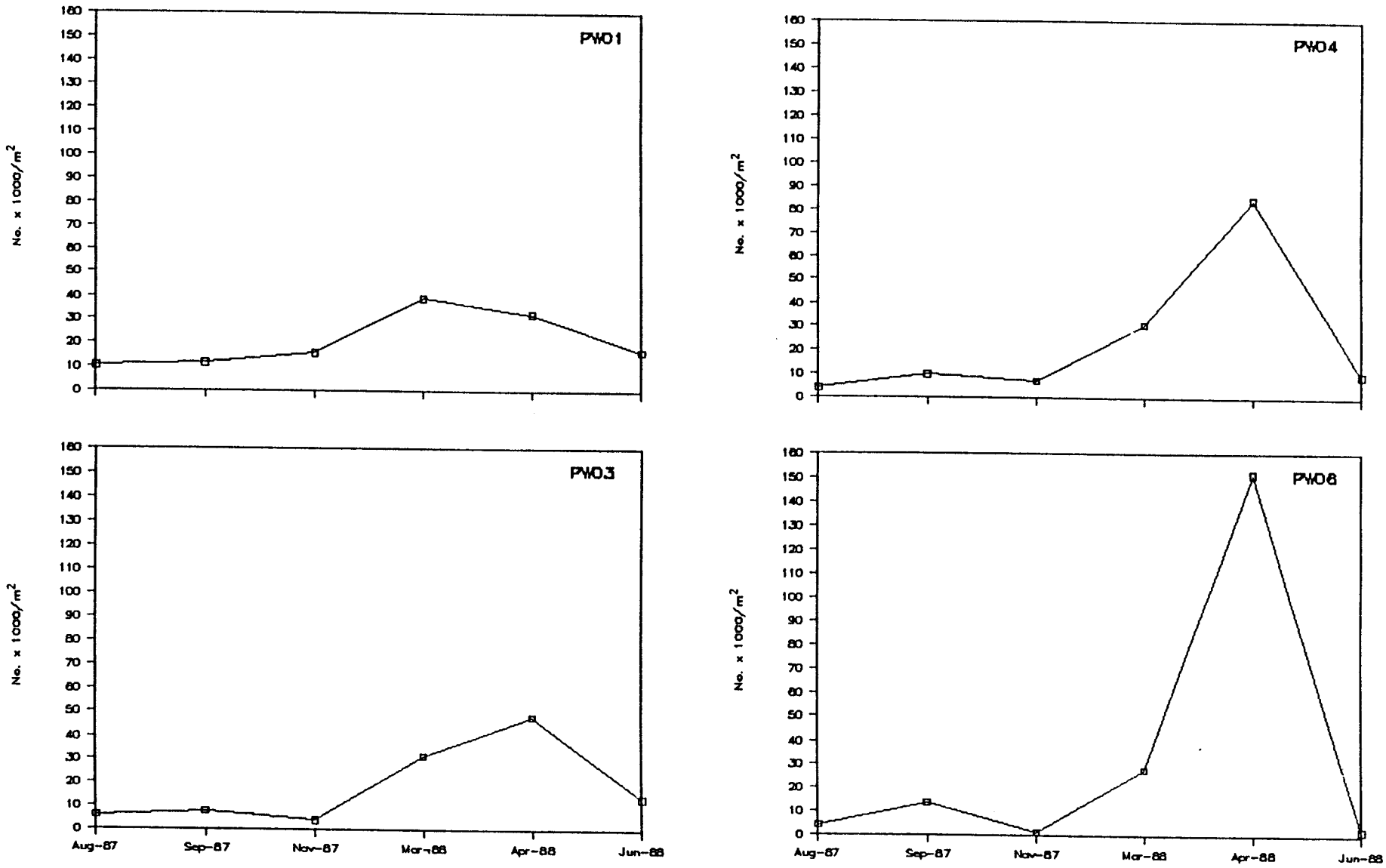


Figure 8. Diaptomus ashlandi densities at stations PW01, PW03, PW04 and PW06 in Lake Powell between August 1987 and June 1988.

Diaptomus ashlandi showed the typical spring population increase throughout the lake as did the juvenile calanoid copepods. Total *D. ashlandi* densities in spring were highest up-lake and were low farther down-lake. Abundances during summer and fall were low at all stations (Figure 8).

Cladoceran species showed variable seasonal trends (Figures 9-11). *Bosmina longirostris* was found primarily at station PW01 in summer and rarely occurred elsewhere in the reservoir (Figure 9). *Daphnia galeata* was found mainly during the summer at stations PW01, PW03 and PW04, but in low abundances (Figure 10). Station PW06 had the highest *D. galeata* density which occurred during the summer.

Daphnia pulex was the dominant cladoceran in Lake Powell during this study. Its density was low at down- and mid-lake areas, but in spring showed a slight population increase. Up-lake stations (PW04 and PW06) had the highest abundance of *D. pulex* which occurred in the spring. Densities, though, were low in summer and fall (Figure 11).

Densities of most dominant rotifers, *Polyarthra* sp. and *Synchaeta* sp., are shown in Figures 12 and 13, respectively. *Polyarthra* sp. densities were typically low throughout the reservoir, but showed slight increases in fall and late spring (Figure 12). *Synchaeta* sp. densities were also very low, however, densities were highest in April at stations PW01 and PW03 (Figure 13).

Total zooplankton densities at all sampling stations in Lake Powell are shown in Figure 14. Station PW01 was the only station where densities were high during the summer months and low during the spring and fall. There was very little seasonal change in zooplankton densities at station PW02, however,

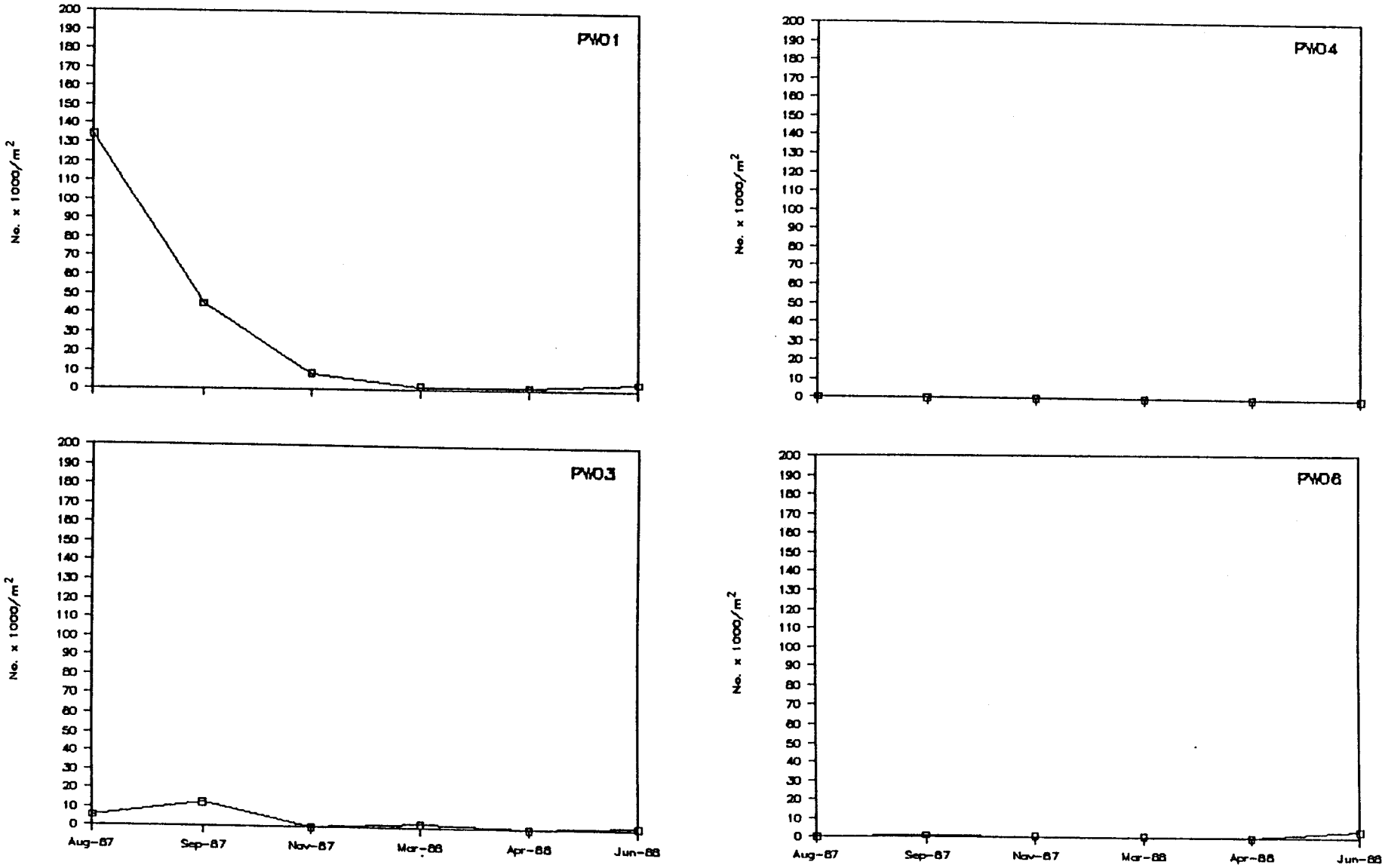


Figure 9. Bosmina longirostris densities at stations PW01, PW03, PW04 and PW06 in Lake Powell between August 1987 and June 1988.

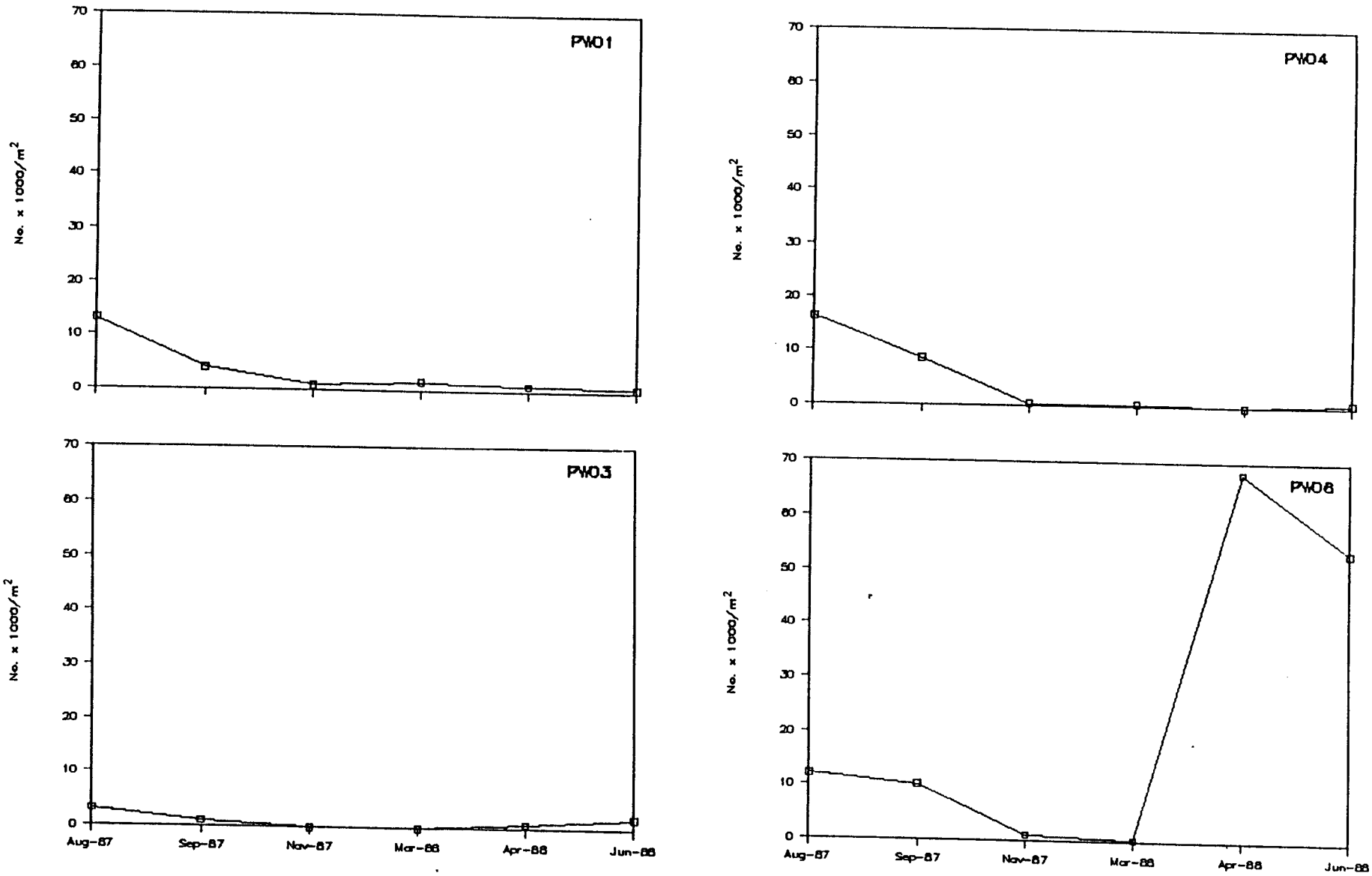


Figure 10. Daphnia galeata densities at stations PW01, PW03, PW04 and PW06 in Lake Powell between August 1987 and June 1988.

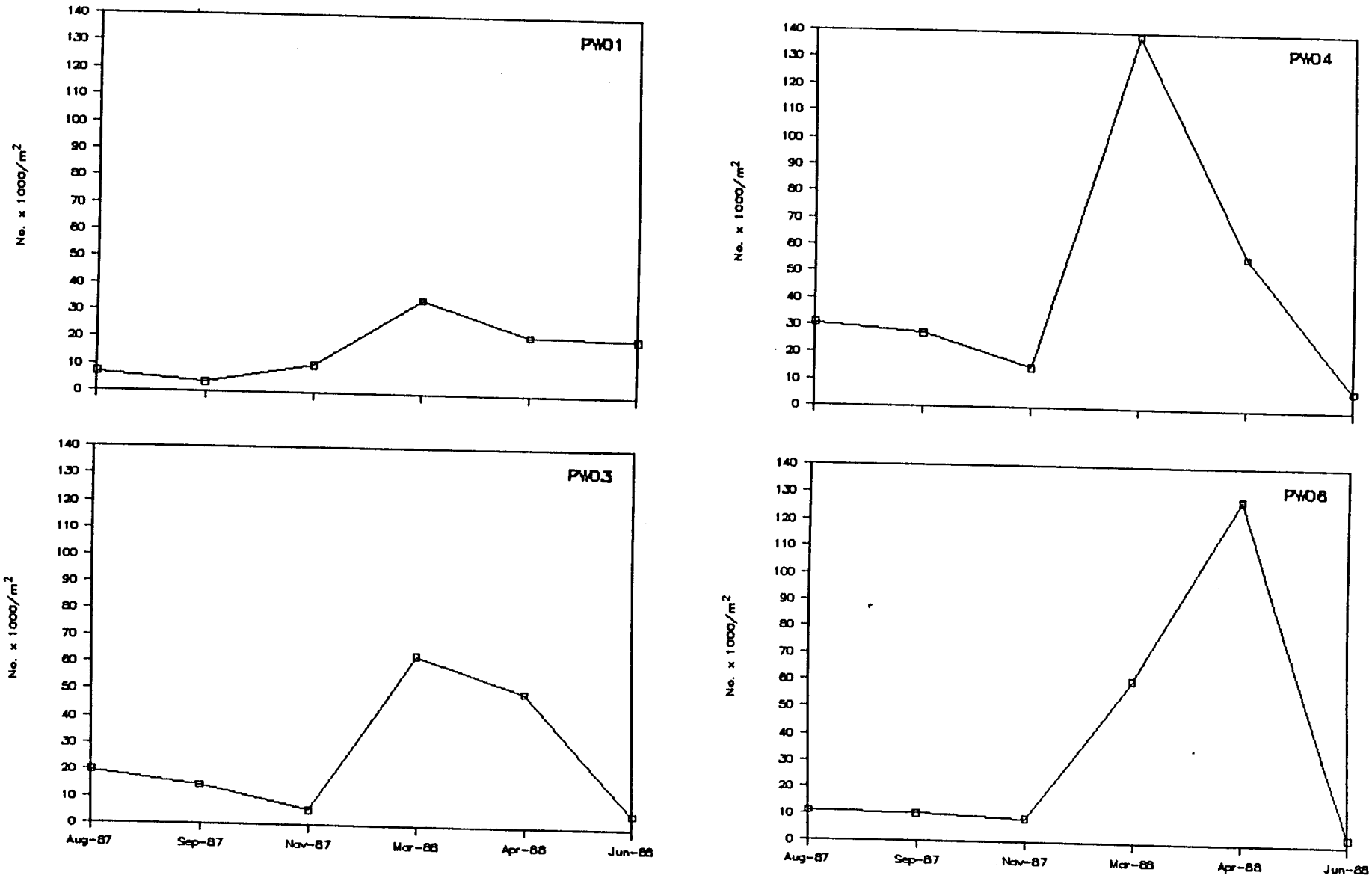


Figure 11. Daphnia pulex densities at stations PW01, PW03, PW04 and PW06 in Lake Powell between August 1987 and June 1988.

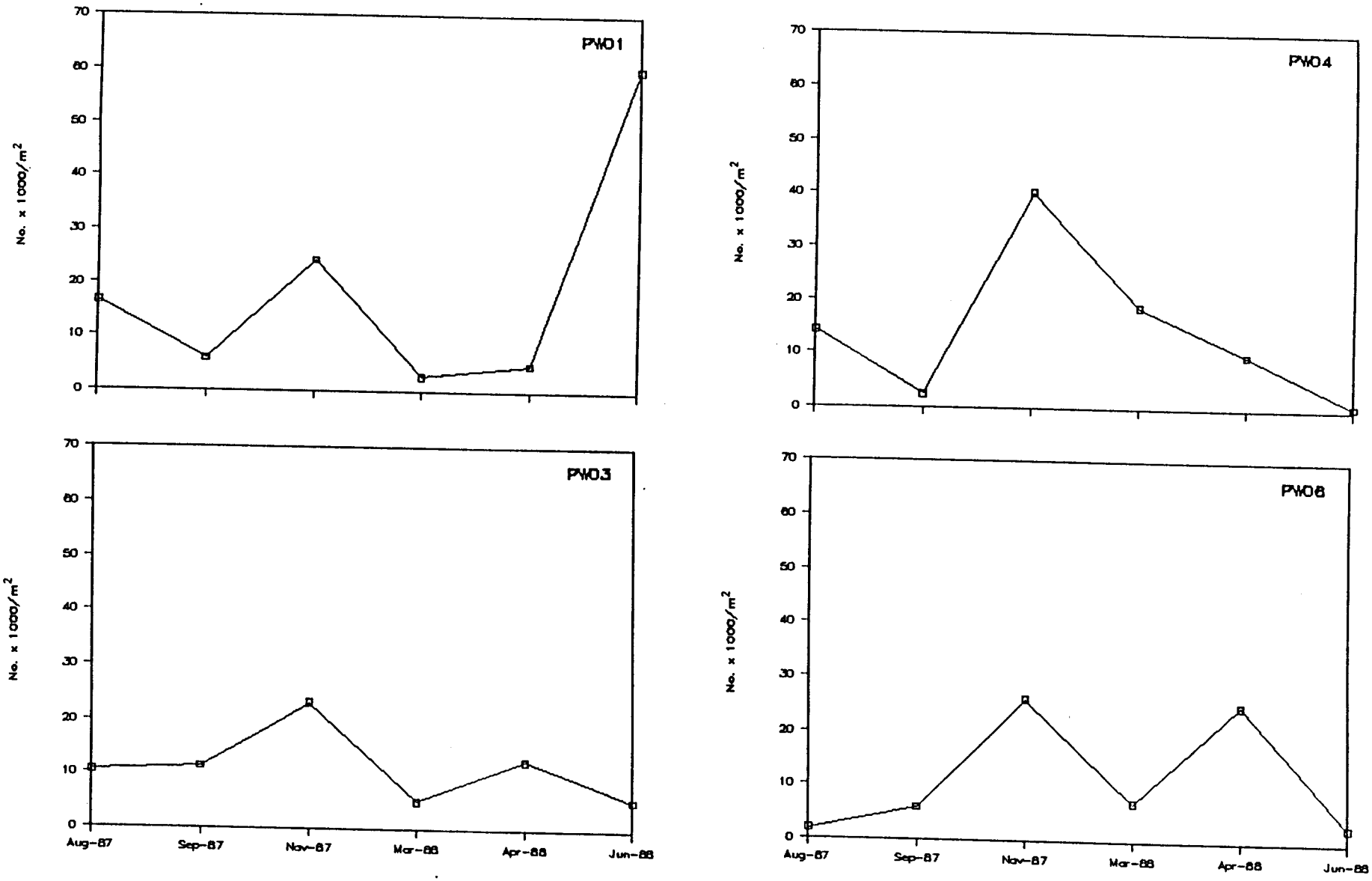


Figure 12. Polyarthra sp. densities at stations PW01, PW03, PW04 and PW06 in Lake Powell between August 1987 and June 1988.

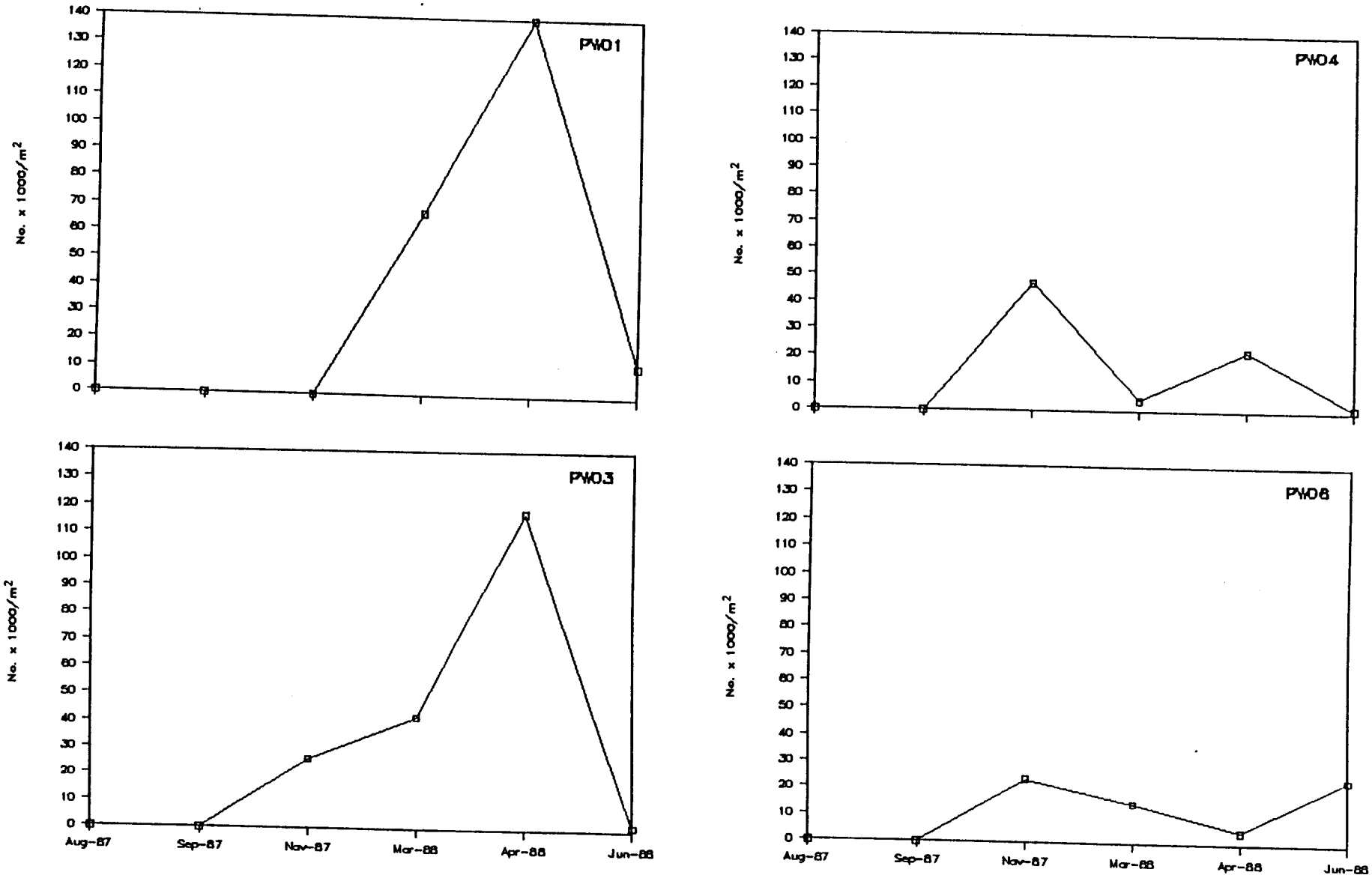


Figure 13. Synchaeta sp. densities at stations PW01, PW03, PW04 and PW06 in Lake Powell between August 1988 and June 1988.

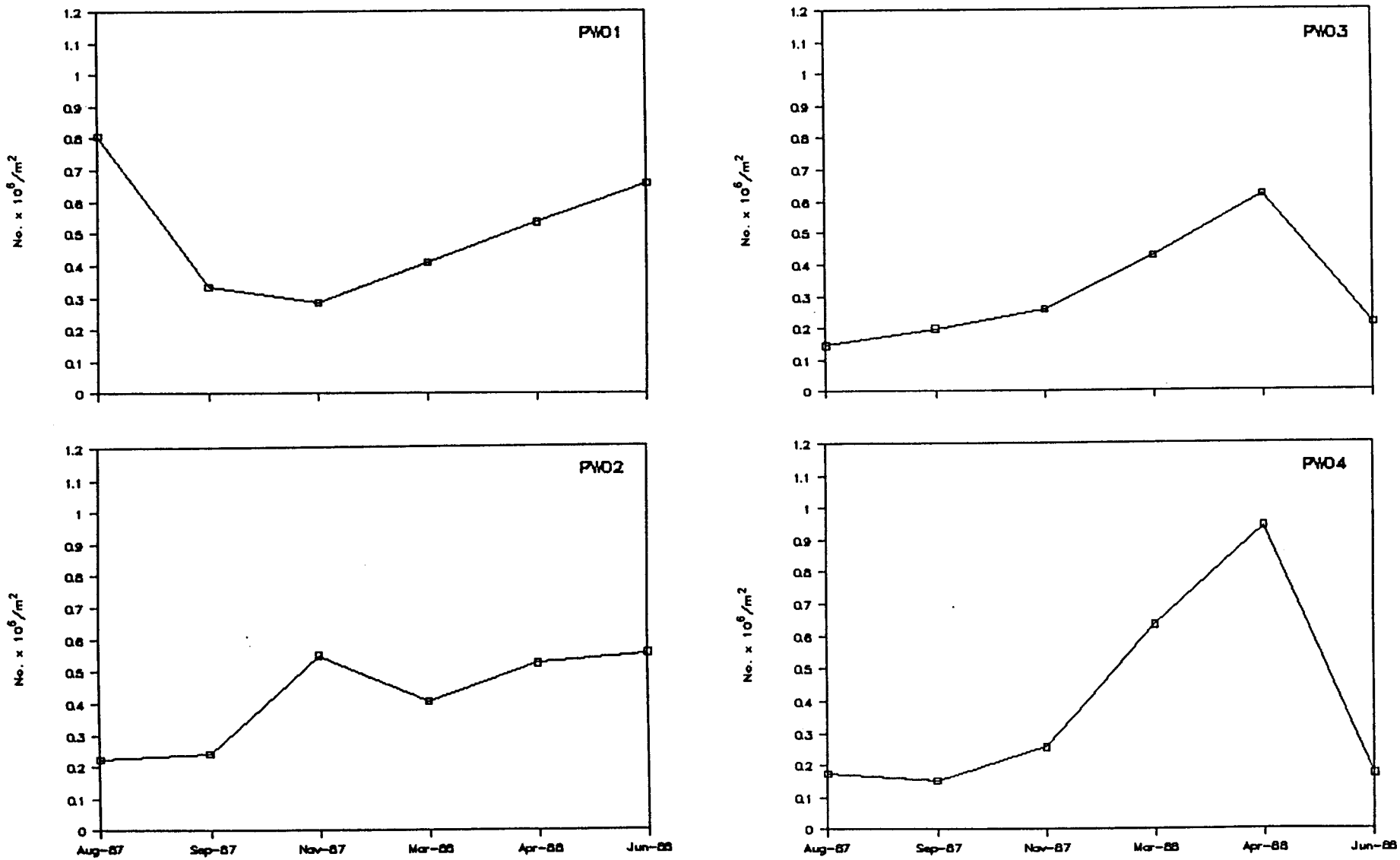
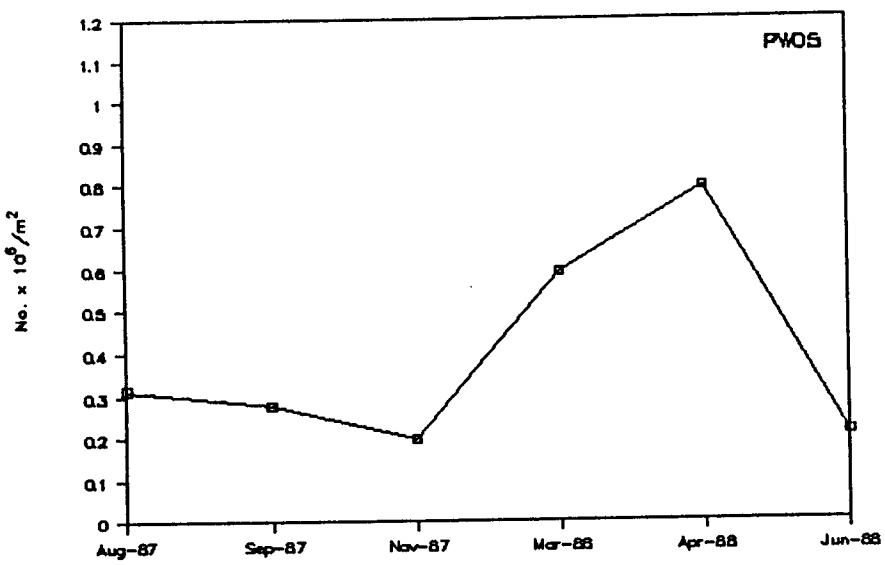


Figure 14. Total zooplankton densities at all stations in Lake Powell between August 1987 and June 1988 (continued).



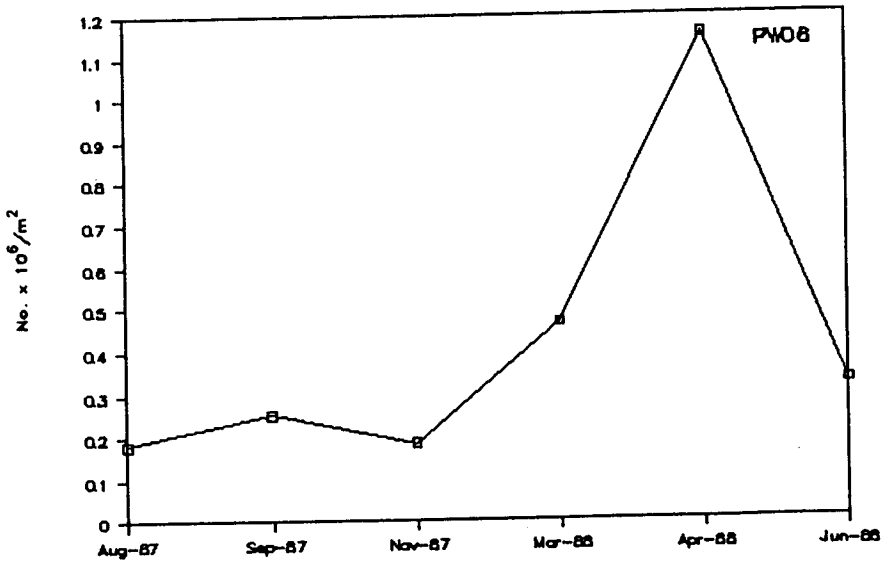


Figure 14. Total zooplankton densities at all stations in Lake Powell between August 1987 and June 1988 (continued).

a slight increase occurred during November. Patterns in total zooplankton densities were similar at stations PW03, PW04 and PW06. Peak population densities occurred in the spring and the highest densities were found at station PW06. Zooplankton densities during the summer and fall were low and similar throughout the lake.

An Analysis of Variance (ANOVA) test was performed on total zooplankton densities in the upper 10 m of the water column to determine if densities were different between stations (PW01-PW06) and sampling dates (August 1987-June 1988). Table 5 shows that total densities were significantly different between all stations, between all sampling dates and between all stations during each sampling date (F prob. < 0.01 for all tests).

3. Vertical Zooplankton Distribution

Data on the vertical depth distribution of zooplankton species are represented in Appendix B and summarized in Figure 15 at depths from 0-20 m and 20-100 m (or bottom). Zooplankton were distributed primarily in the upper 20 m. Densities in the surface waters were variable between stations and never exceeded 42,000 m^{-3}. Zooplankton densities were extremely low in the hypolimnion (less than 500 m^{-3}) and showed very little seasonal or spatial variability.

The vertical distributions of copepods, cladocerans and rotifers over a 24 hr period at station PW05 during June are presented in Figure 16. In general, total zooplankton distribution changed very little with depth over time. Most of the animals were found in the upper 10 m and very few occupied the deeper water below 20 m. Copepods were the dominant group at all depths

Table 5. Analysis of variance comparing total surface (0-10 m) zooplankton densities in Lake Powell at stations and dates.

	SS	DF	MS	F
Total	11682	71		
Groups	11406	35		
Error	7046	36		
Station	1122	5	224	28**
Date	3238	5	648	81**
Station x Date	7046	25	282	35**

(**, P<0.01)

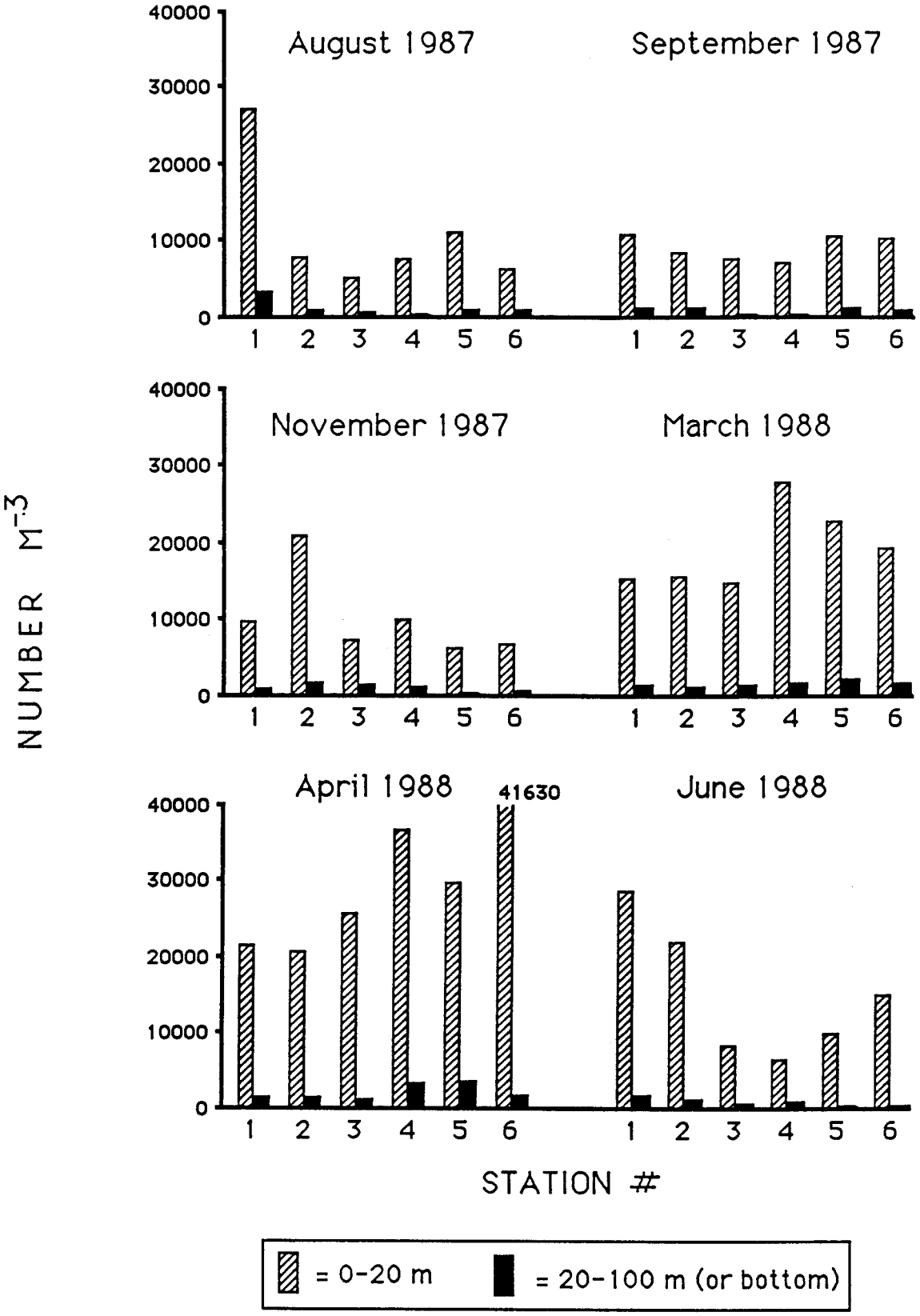


Figure 15. Total zooplankton densities at 0-20 m and 20-100 m (or bottom) at all stations in Lake Powell between August 1987 and June 1988.

except at 0100 hrs when cladocerans shared dominance. Cladocerans and rotifers were found mostly in the upper 10 m of the water column and were rarely found below 20 m (Figure 16, App. B).

4. Zooplankton Egg Ratios

Total number of eggs per adult female cladocerans, cyclopoid copepods and calanoid copepods between 0-20 m and 20-100 m (or bottom) throughout the lake are shown in Figures 17a,b,c. Generally, egg ratios were low among all three groups and appeared to be highest in the upper 20 m. No apparent seasonal patterns among any group can be seen in the number of eggs per female.

C. Lipid - Ovary Index

The average lipid and ovary index for *Daphnia* was generally less than 0.5 and rarely approached, or exceeded 1.0 (maximum 6.0) (Table 6). *Daphnia* found during the spring had a greater lipid-ovary index than at other times, with lipid reserves and ovary development the highest between 0-20 m and 20-40 m. Most adult *Daphnia* had no stored energy or developing ovaries throughout the year.

D. Size - Frequency Distribution

The size structure of the zooplankton community at station PW01 is presented in Figure 18. Throughout the sampling program, the zooplankton community consisted primarily of rotifers, copepod nauplii and copepod copepodites less than 0.4 mm. Only during November did adults, up to 1.0 mm,

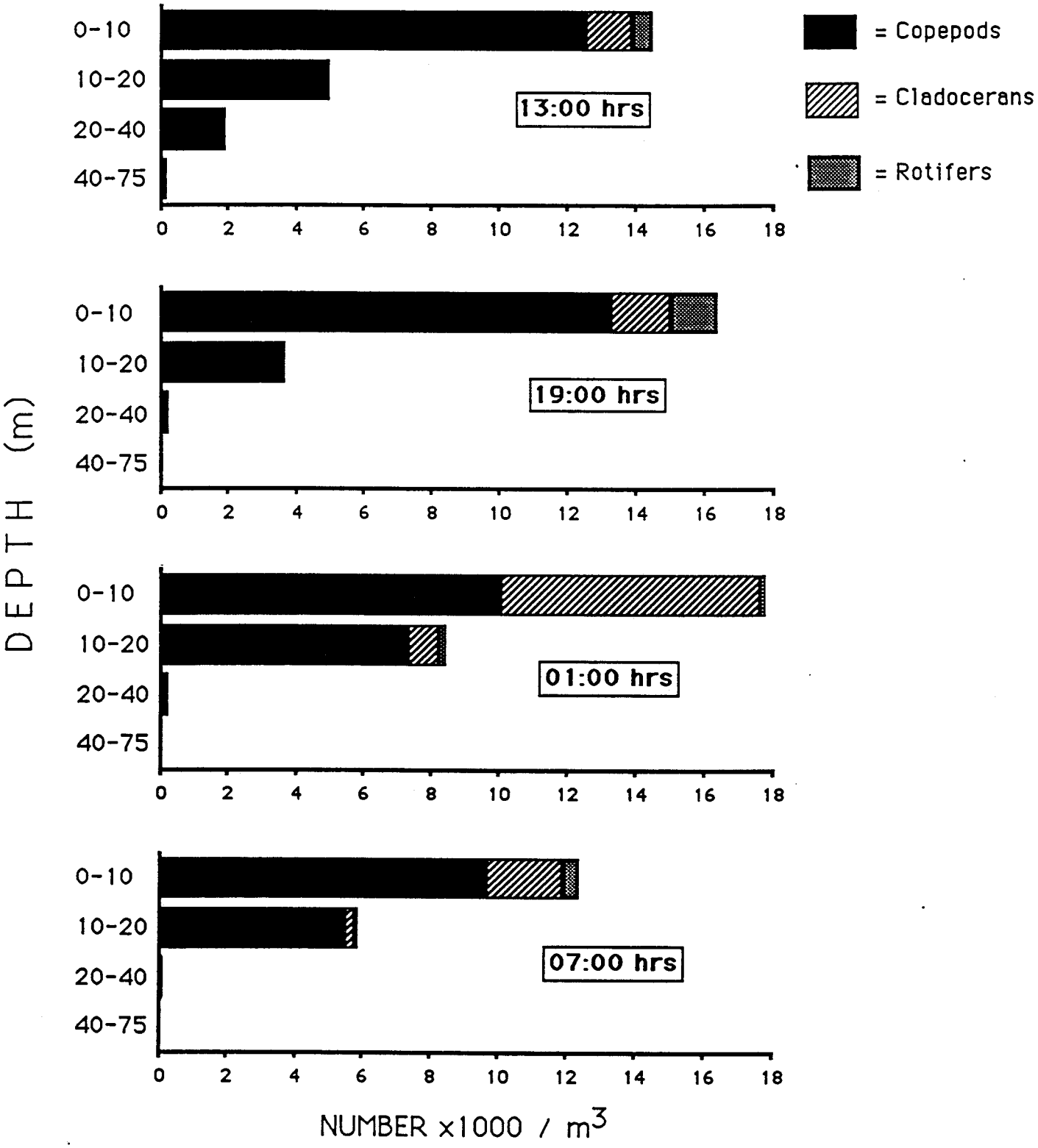


Figure 16. Vertical copepod, cladoceran and rotifer densities at station PW05 in Lake Powell during June 1988 at 1300, 1900, 0100 and 0700 hrs.

Table 6. Lipid-ovary index for *Daphnia* at various depths in Lake Powell. No. indicates the number of *Daphnia* indexed in August, September and November at stations PW01, PW03, PW04 and PW06.

Sta	Depth(m)	August No.	August Index	September No.	September Index	November No.	November Index
PW01	0-20	17	0	4	1.00	11	0.09
	20-40	44	0.02	0	0	24	0
	40-100	3	0	2	0	3	0.70
PW03	0-20	64	0.03	16	0	20	0.30
	20-40	11	0.18	0	0	2	0
	40-100	9	0.11	2	0	2	0
PW04	0-20	48	0	37	0.05	34	0.24
	20-40	2	0	9	0.22	30	0.27
	40-70	7	0	6	0.33	5	0
PW06	0-20	102	0.27	36	0.05	23	0
	20-40	13	0.15	38	0.13	25	0
	20-75	4	0	5	0	15	0.13

(continued)

Table 6. Lipid-ovary index for Daphnia at various depths in Lake Powell. No. indicates the number of Daphnia indexed in March, April and June at stations PW01, PW03, PW04 and PW06 (continued).

		March		April		June	
Sta	Depth(m)	No.	Index	No.	Index	No.	Index
PW01	0-20	36	0.03	56	0.52	41	0.05
	20-40	21	0	4	0.25	28	0.29
	40-100	3	0	0	0	10	0
PW03	0-20	63	0.65	63	0.62	57	0.65
	20-40	10	0.80	4	2.00	9	0
	40-100	7	0.43	1	0	1	0
PW04	0-20	34	0.50	40	0.22	45	0.96
	20-40	39	0.41	8	0	1	0
	40-65	46	0.06	3	0	2	0
PW06	0-20	63	0.46	54	0.50	78	0.65
	20-40	26	0.58	31	0.10	1	1.00
	40-75	33	0.70	32	0.19	7	0.29

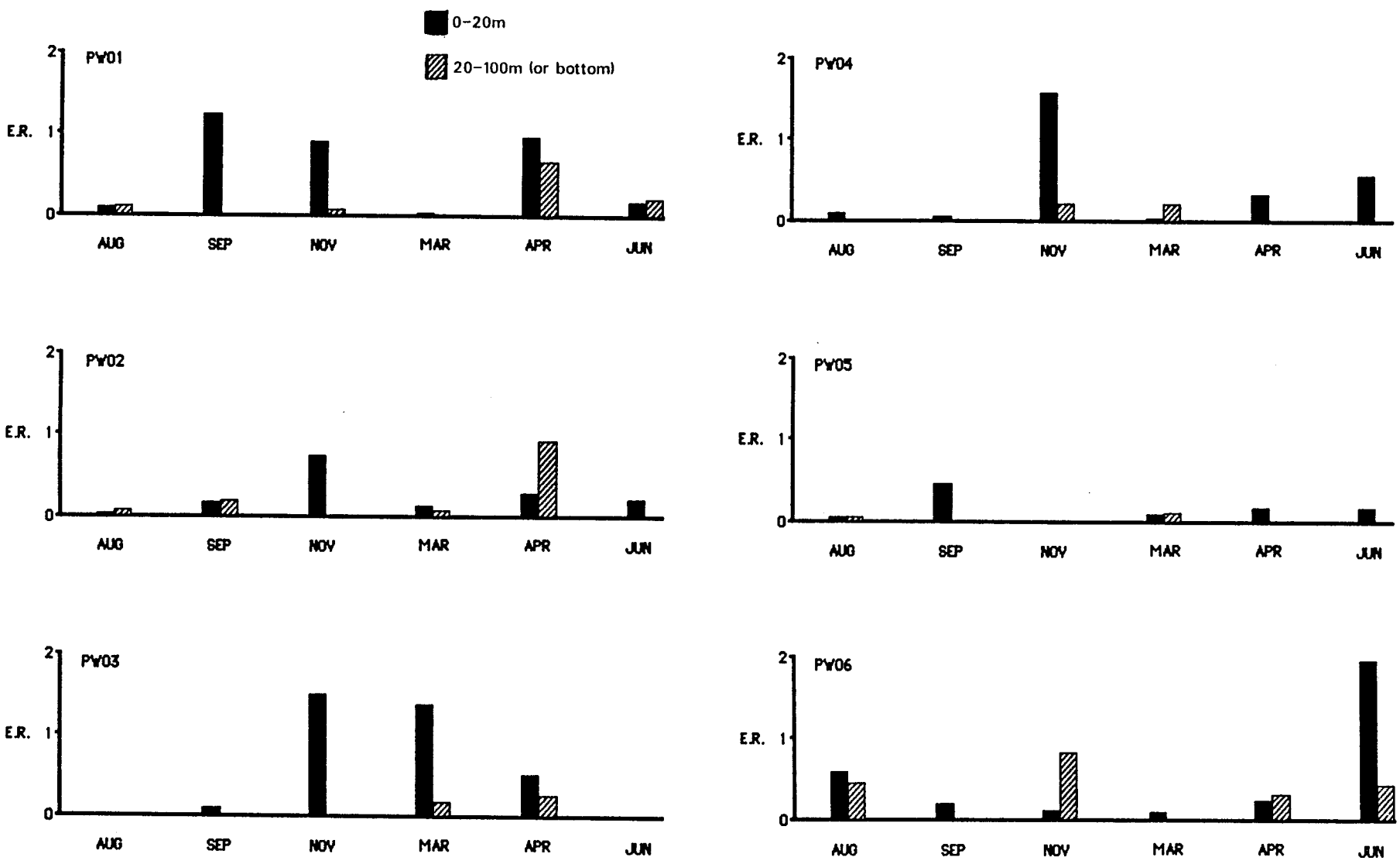


Figure 17a. Daphnia egg ratios (E.R.) at 0-20 m and 20-100 m (or bottom) at all stations in Lake Powell between August 1987 and June 1988.

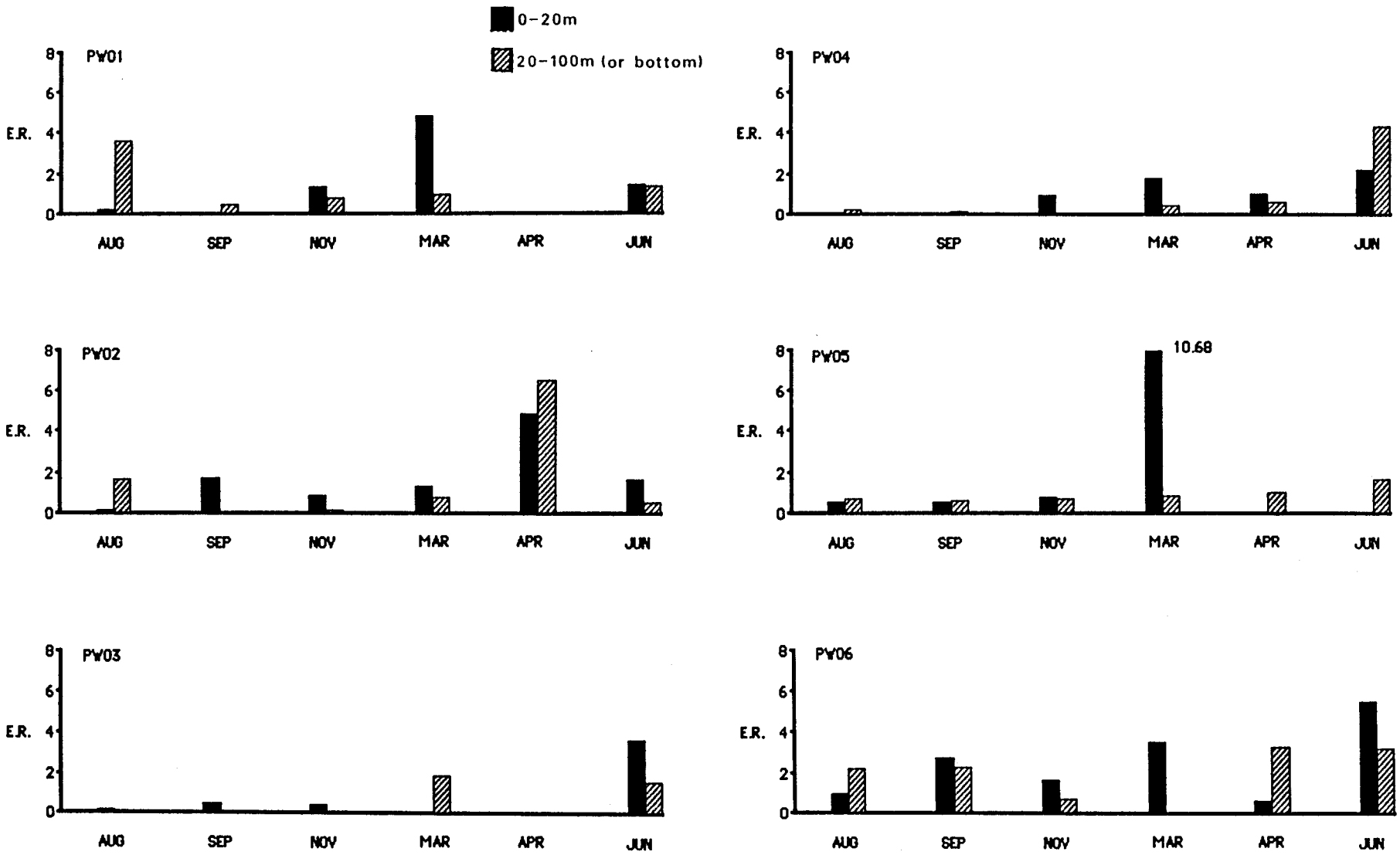


Figure 17b. Cyclopoid copepod egg ratios (E.R.) at 0-20 m and 20-100 m (or bottom) at all stations in Lake Powell between August 1987 and June 1988.

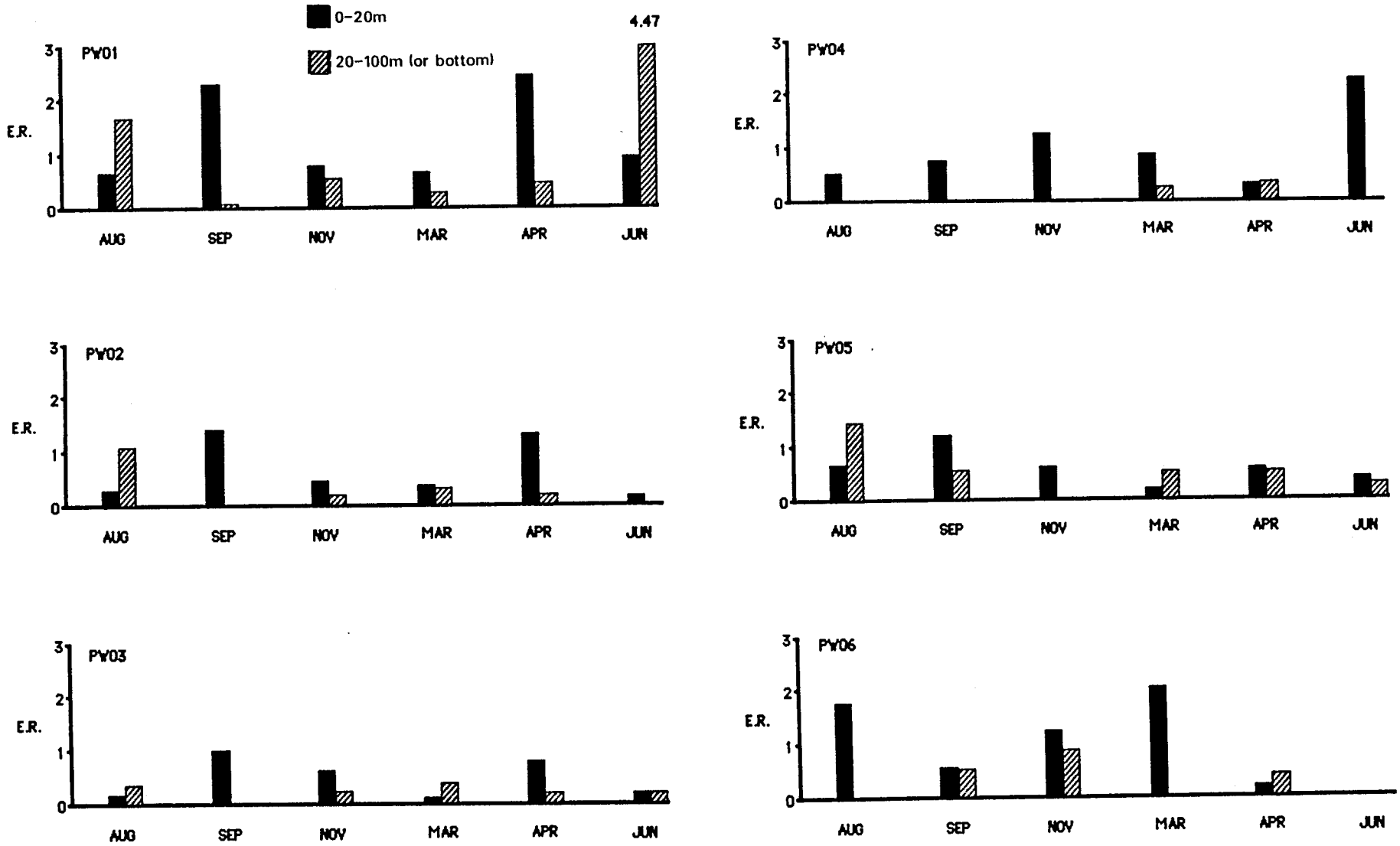


Figure 17c. Calanoid copepod egg ratios (E.R.) at 0-20 m and 20-100 m (or bottom) at all stations in Lake Powell between August 1987 and June 1988.

comprise more of the community than normal. Adults greater than 1.0 mm (mainly cladocerans) made up very little of the total zooplankton community. The size structure of the zooplankton community appeared to be similar at all depths (0-20 m, 20-40 m, 40-100 m, or bottom) (Figure 18).

E. Zooplankton Biomass Estimates

Throughout this study at station PW01, zooplankton biomass was highest between 0-20 m and was very low below this depth. Cladocerans dominated in biomass during August, March, April and June, while copepods dominated in biomass in September and November. Rotifers made a small part of the total biomass (Figure 19).

Daphnia pulex comprised most of the cladoceran biomass except in August and September when *B. longirostris* was either greater or about equal, respectively, in biomass to *D. pulex*. Nauplii and cyclopoid copepodites, for the most part, dominated the copepod community in biomass. However, during June, adult copepod biomass was high as well (Figure 19).

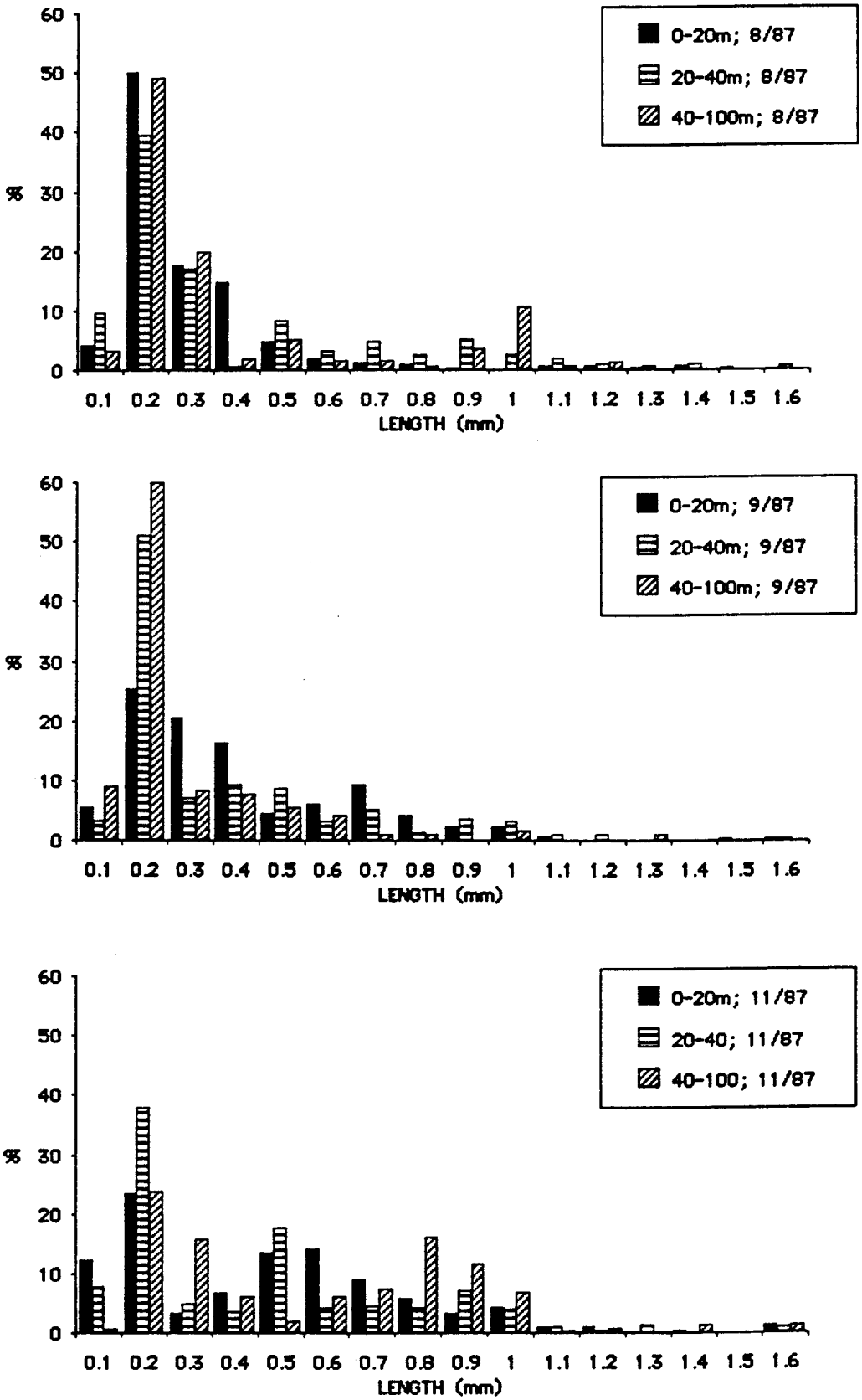


Figure 18. Size-frequency distribution of the zooplankton community between August 1987 and June 1988 at station PW01 in Lake Powell at 0-20 m, 20-40 m and 40-100 m (continued).

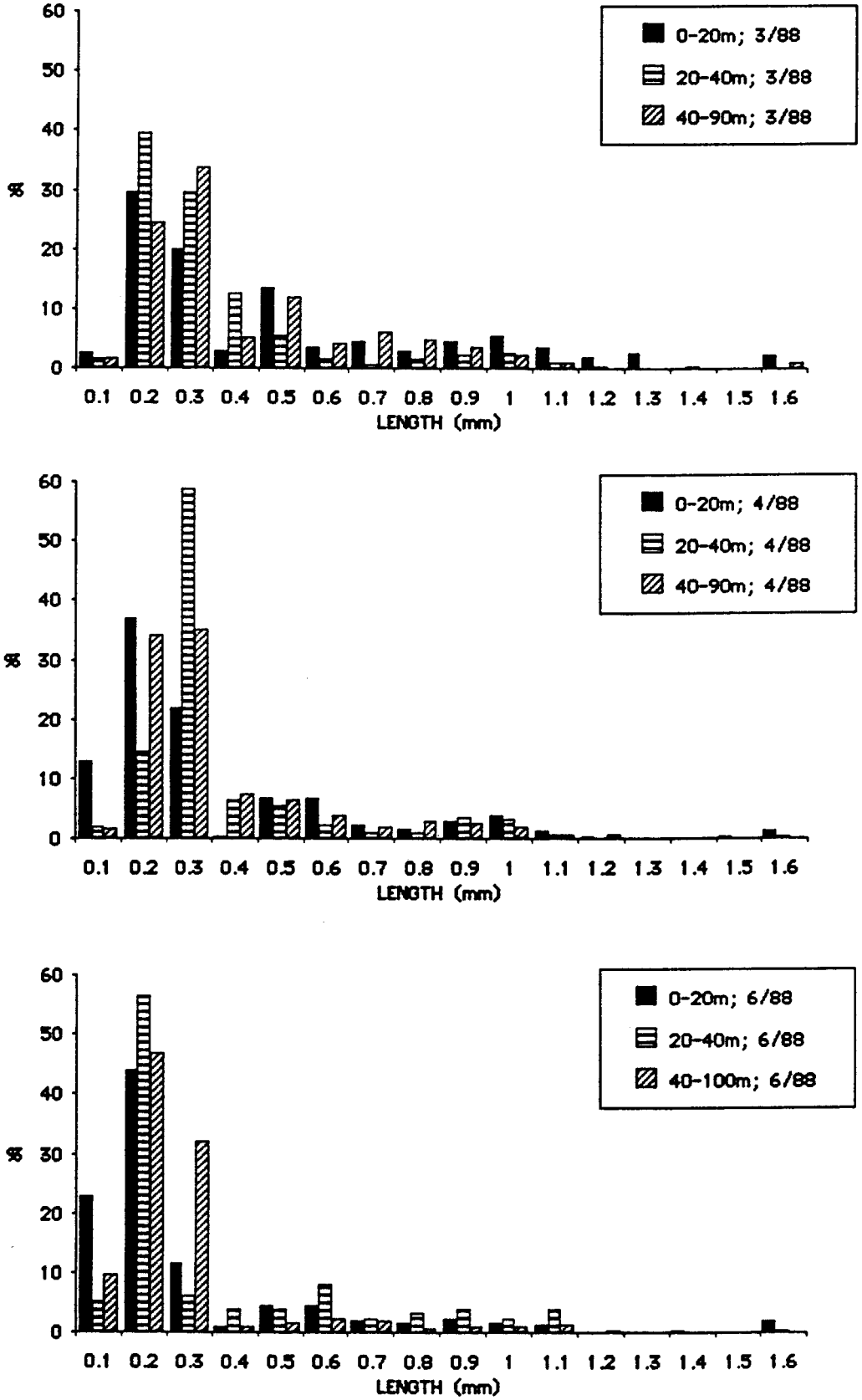


Figure 18. Size-frequency distribution of the zooplankton community between August 1987 and June 1988 at station PW01 in Lake Powell at 0-20 m, 20-40 m and 40-100 m (continued).

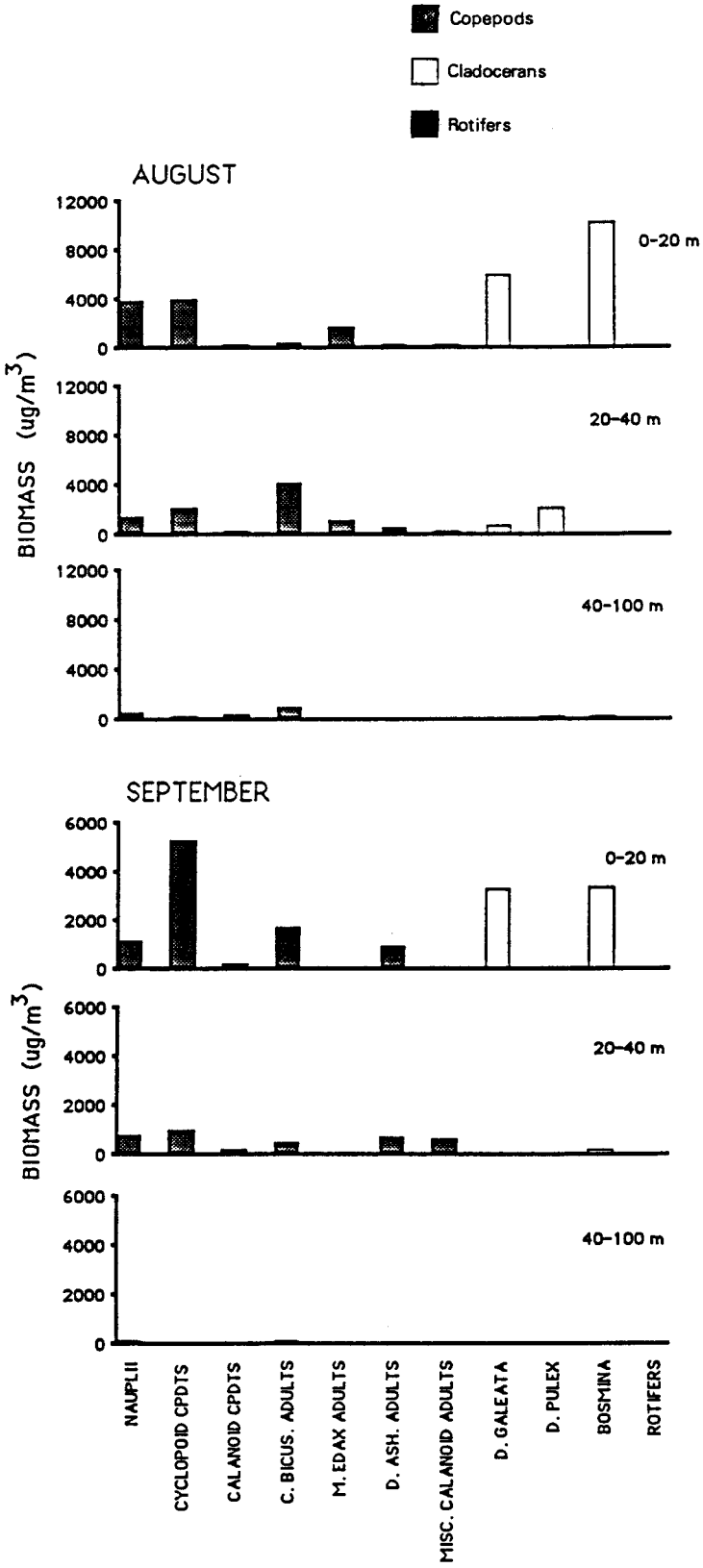


Figure 19. Biomass (ug dry wt m^{-3}) of copepods, cladocerans and rotifers at station PW01 in Lake Powell at 0-20 m, 20-40 m and 40-100 m between August 1987 and June 1988 (continued).

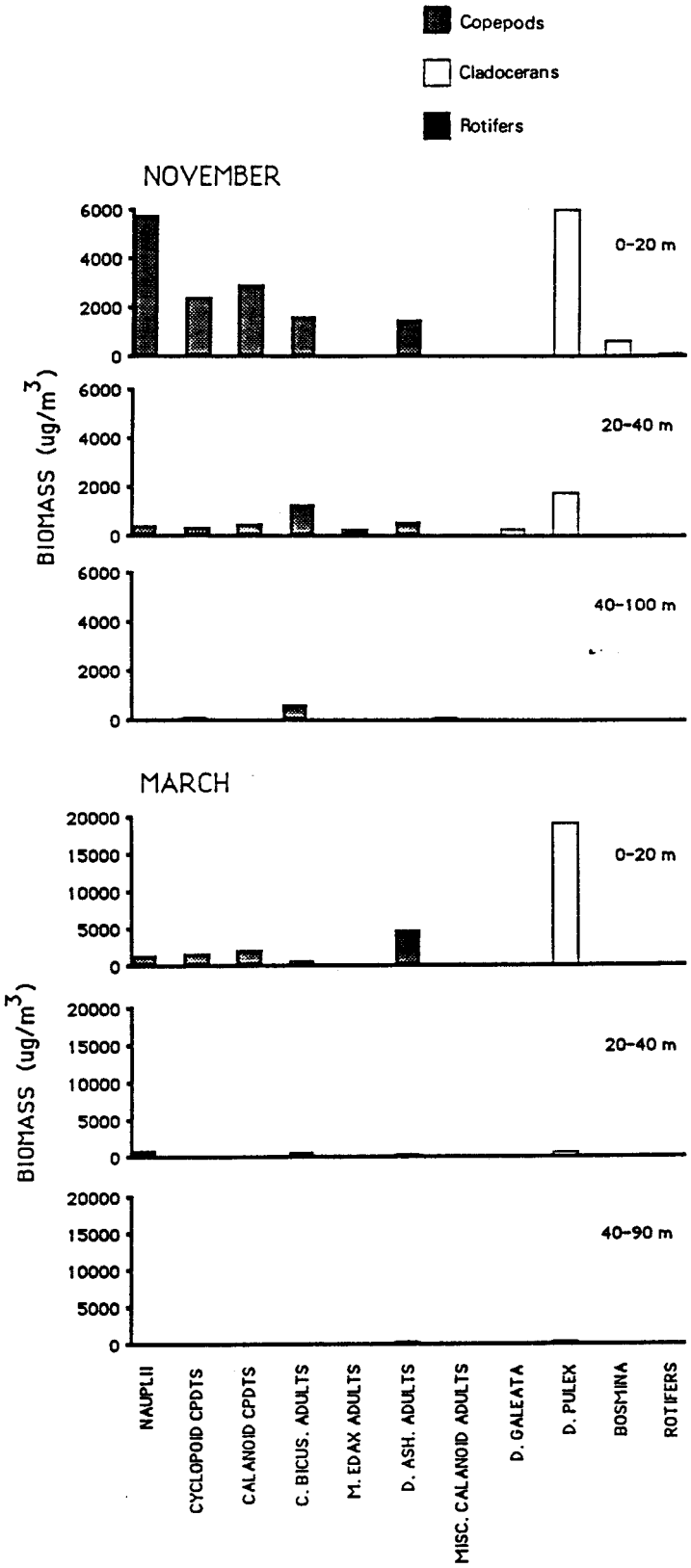


Figure 19. Biomass (ug dry wt m^{-3}) of copepods, cladocerans and rotifers at station PW01 in Lake Powell at 0-20 m, 20-40 m and 40-100 m between August 1987 and June 1988 (continued).

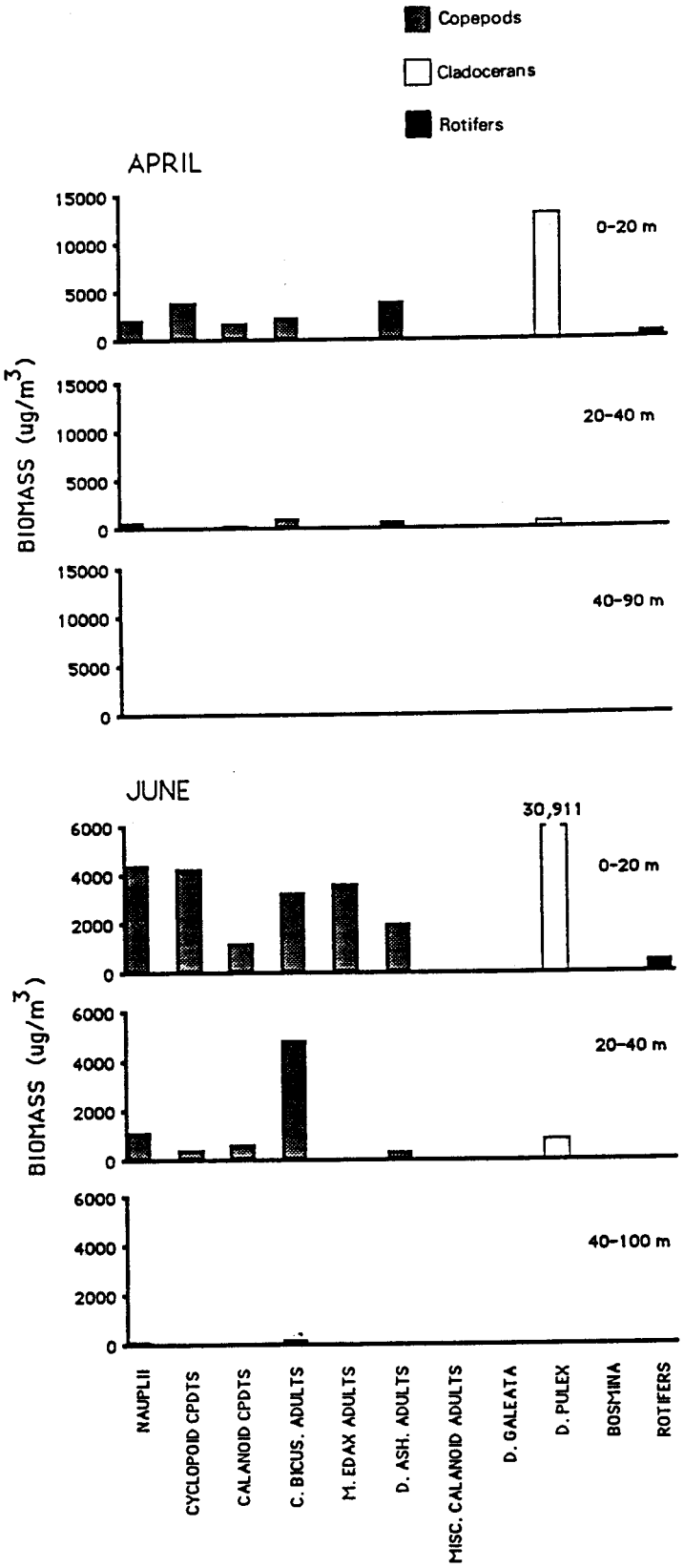


Figure 19. Biomass (ug dry wt m^{-3}) of copepods, cladocerans and rotifers at station PW01 in Lake Powell at 0-20 m, 20-40 m and 40-100 m between August 1987 and June 1988 (continued).

VIII. DISCUSSION

A. Spatial and Seasonal Variation in Zooplankton Species Composition and Abundance

Seasonal succession in zooplankton species can vary due to several major factors such as physical environmental conditions, algal densities and predation. Temperature regulates zooplankton during two main seasons: the cooler winter/spring season and the warmer summer season (Hutchinson 1967). In Lake Powell, temperature also appears to regulate the seasonal distribution of certain species. For instance, *Bosmina longirostris*, *Daphnia galeata* and *Cyclops bicuspidatus* were found primarily during the summer, while *Daphnia pulex* and *Diaptomus ashlandi* were mainly found during the spring.

Algal biomass was low throughout Lake Powell, but average chl-a concentrations were slightly higher in the upper portions of the reservoir than the lower portions. The average yearly zooplankton densities were low and similar at each station. Typically in Lake Mead (Paulson and Baker 1983b, Wilde 1984, Sollberger 1987) and other lakes (Anderson and Green 1975, DeBernardi *et al.* 1985) zooplankton densities positively correlate to algal biomass. In Lake Mead, algal biomass was typically 50 times greater in the inner Las Vegas Bay than in Boulder Basin and showed significant differences in zooplankton abundances (Paulson and Baker 1983b). In Lake Powell, the

differences in chl-a concentrations from up-lake areas to down-lake areas were not that great to see a response in zooplankton density.

Zooplankton densities during spring and summer showed a negative relationship to algal biomass. In summer, algal biomass was low down-lake and steadily increased farther up-lake, and densities were low up-lake and slightly increased down-lake. A similar negative relationship between zooplankton density and algal biomass occurred during the summer in Las Vegas Bay of Lake Mead and was the result of fish predation (Sollberger 1987).

Fish predation can alter the zooplankton community and drastically reduce zooplankton abundances, especially of large species (Brooks and Dodson 1965, O'Brien 1979, Konkle and Sprules 1986). Typical zooplankton densities in up-lake areas of Lake Powell were low during summer. However, the smaller plankton such as copepod nauplii, copepod copepodites and the helmeted *D. galeata* were slightly more abundant than larger adult copepods and cladocerans. In areas down-lake, *Polyarthra* sp., *B. longirostris* and copepod nauplii and copepodites were dominant during the summer. Low zooplankton densities and the occurence of small species indicate predation is greatest during the summer.

The opposite condition occurred in Lake Powell during spring, where up-lake areas had relatively higher zooplankton densities and low algal biomass than down-lake areas. Because larger zooplankton such as adult *D. pulex* and *D. ashlandi* were more abundant at this time it is possible that predation was relaxed. Low algal biomass could be the result of zooplankton grazing (Porter 1977).

It is nearly impossible to distinguish if seasonal zooplankton changes occurred as a result of predation, because no fish data were collected during this study. Echo-sounding at each station would have provided data on the relative abundance of fish especially the predaceous threadfin shad. That information would have been useful to evaluate vertical and seasonal changes in predation on the zooplankton community.

B. Vertical Distribution of Zooplankton

Zooplankton vertical migration was not evident in Lake Powell during June. The only major difference in vertical distribution during June occurred at 0100 hrs when a greater number of cladocerans appeared in the surface-10 m. It is unclear why this occurred, however it is not likely due to a migration, because very few cladocerans were found below 10 m depth throughout the sampling period. In most instances, large zooplankton species typically occupy the deeper water during the day in order to avoid predation and then migrate to the surface to feed at night (Zaret and Suffern 1976, Iwasa 1982). In Lake Mead, smaller zooplankton species such as *Polyarthra* and *B. longirostris* inhabit the epilimnion and migrate usually less than 5 m, where as copepods were found not to migrate (Staker 1974). Burke (1977) found that *Daphnia* migrated very little during the summer in Lake Mead. The depths from which samples were collected in this study may have been too great to see any minor changes in vertical distribution. Nevertheless, no major zooplankton migrations were evident from the hypolimnion to epilimnion.

Zooplankton primarily inhabited the epilimnion during the summer in Lake Powell. Herman (1983) found that most copepods species in northeastern Baffin

Bay were above or directly in the region of highest algal biomass. The chlorophyll maxima was located in the metalimnion just below the thermocline and very few zooplankton were found below this depth. Total zooplankton densities in the hypolimnion of Lake Powell were extremely low during summer and late fall when the lake was stratified and in late fall and spring when the lake was nearly isothermal. Estimates of total biomass were also low and followed the same vertical and seasonal pattern as did density.

C. Nutritional Condition of Daphnia

Lipid accumulation was low and ovary development was poor in *Daphnia* throughout Lake Powell indicating a limited food supply which directly relates to the extemely low algal biomass. The density and quality of phytoplankton determine the extent of energy reserves produced (Holm and Shapiro 1984). Ovary production is then regulated by the amount of stored energy, which ultimately determines egg production (Tessier *et al*. 1983, Holm and Shapiro 1984). As expected from low lipid-ovary indexes measured in Lake Powell, the egg ratios found among adult *Daphnia* were extremely low.

IX. SUMMARY

Results of this study indicate that:

- Algal biomass was typically low lake-wide, although chl-a concentrations measured in up-lake areas are slightly higher than down lake areas.

- Zooplankton densities are low throughout the reservoir, normally less than 20000 m^{-3} and never exceeding 50000 m^{-3} in the upper 20 m of the water column.

- Based on density, nauplii and copepodites comprised most of the copepod population, which dominated the zooplankton community throughout the reservoir.

- Lake Powell has a limiting zooplankton food supply resulting in the poor nutritional condition of *Daphnia* and low egg ratios of cladocerans and copepods.

- The poor condition of the zooplankton community appears to be the result of low lake fertility and productivity would need to increase, at least to moderate levels, to support greater numbers of zooplankton.

- The hypolimnion was nearly void of zooplankton and average densities never exceeded 500 m^{-3}. It would be difficult for planktivorous fish to survive at these depths on available zooplankton.

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APPENDIX A. Physical and chemical measurements at all stations in Lake Powell between August 1987 and June 1988. Negative values indicate no measurements were collected for that parameter.

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW01
DATE 08-24-87 TIME 1410

AIR TEMPERATURE -1.00 DEGREES
LAKE ELEVATION 3692.35 FEET
WEATHER "CLOUDY. CALM"
SECCHI 3.90 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	25.90	6.50	575	-1.00
1.0	25.90	6.60	-1	-1.00
2.0	25.10	6.65	-1	-1.00
3.0	25.00	6.62	-1	-1.00
4.0	25.00	6.70	-1	-1.00
5.0	25.00	6.65	-1	-1.00
6.0	24.90	6.65	-1	-1.00
7.0	24.90	6.60	-1	-1.00
8.0	24.90	6.70	-1	-1.00
9.0	24.80	6.60	-1	-1.00
10.0	24.10	6.55	-1	-1.00
11.0	23.50	6.40	-1	-1.00
12.0	23.00	6.32	-1	-1.00
13.0	22.80	6.21	-1	-1.00
14.0	21.10	5.90	-1	-1.00
15.0	20.80	5.75	-1	-1.00
17.5	19.00	5.60	-1	-1.00
20.0	17.80	5.62	-1	-1.00
25.0	15.60	5.20	-1	-1.00
30.0	13.20	5.30	-1	-1.00
35.0	12.00	5.60	-1	-1.00
40.0	12.00	5.70	-1	-1.00
45.0	11.00	5.65	-1	-1.00
50.0	10.50	5.90	-1	-1.00
55.0	10.20	6.10	-1	-1.00
60.0	9.90	6.10	-1	-1.00

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW02
DATE 08-24-87 TIME 1555

AIR TEMPERATURE -1.00 DEGREES
LAKE ELEVATION 3692.35 FEET
WEATHER "CLOUDY. BREEZE (E)"
SECCHI 5.60 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	25.90	6.49	610	-1.00
2.5	25.10	6.50	-1	-1.00
5.0	25.00	6.60	-1	-1.00
7.5	25.00	6.60	-1	-1.00
10.0	24.80	6.50	-1	-1.00
11.0	23.50	6.00	-1	-1.00
12.0	22.90	6.05	-1	-1.00
13.0	22.40	5.70	-1	-1.00
14.0	21.20	5.40	-1	-1.00
15.0	20.20	5.10	-1	-1.00
16.0	20.10	4.70	-1	-1.00
17.5	19.40	4.30	-1	-1.00
20.0	17.20	4.05	-1	-1.00
25.0	15.20	4.90	-1	-1.00
30.0	13.70	5.45	-1	-1.00
35.0	12.00	5.70	-1	-1.00
40.0	11.20	5.80	-1	-1.00
45.0	10.80	5.95	-1	-1.00
50.0	10.10	6.10	-1	-1.00
55.0	9.90	6.15	-1	-1.00
60.0	9.50	6.20	-1	-1.00

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW03
DATE 08-25-87 TIME 1100

AIR TEMPERATURE -1.00 DEGREES
LAKE ELEVATION 3692.38 FEET
WEATHER "WINDY 10(W). PARTLY CLOUDY"
SECCHI 7.90 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	24.50	6.50	450	-1.00
2.5	24.50	6.60	-1	-1.00
5.0	24.20	6.70	-1	-1.00
7.5	24.10	6.75	-1	-1.00
8.0	24.10	6.50	-1	-1.00
9.0	24.00	6.60	-1	-1.00
10.0	24.00	6.30	-1	-1.00
11.0	23.80	6.10	-1	-1.00
12.0	23.80	6.05	-1	-1.00
13.0	23.50	5.70	-1	-1.00
14.0	22.70	5.00	-1	-1.00
15.0	22.10	4.65	-1	-1.00
16.0	21.50	4.40	-1	-1.00
17.0	21.20	4.20	-1	-1.00
18.0	19.50	3.90	-1	-1.00
19.0	18.70	3.90	-1	-1.00
20.0	17.60	3.90	-1	-1.00
25.0	15.00	4.50	-1	-1.00
30.0	13.10	5.00	-1	-1.00
35.0	11.90	5.40	-1	-1.00
40.0	11.00	5.60	-1	-1.00
45.0	10.20	5.85	-1	-1.00
50.0	9.80	6.00	-1	-1.00
55.0	9.20	6.05	-1	-1.00
60.0	9.00	5.95	-1	-1.00

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW04
DATE 08-25-87 TIME 1335

AIR TEMPERATURE -1.00 DEGREES
LAKE ELEVATION 3692.38 FEET
WEATHER "WINDY 10(W). PARTLY CLOUDY"
SECCHI 10.30 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	25.50	6.30	343	-1.00
2.5	24.90	6.50	-1	-1.00
5.0	24.80	6.60	-1	-1.00
7.5	24.70	6.60	-1	-1.00
8.0	24.80	6.60	-1	-1.00
9.0	24.40	6.50	-1	-1.00
10.0	24.20	6.35	-1	-1.00
11.0	24.20	6.50	-1	-1.00
12.0	23.80	6.30	-1	-1.00
13.0	24.00	5.20	-1	-1.00
14.0	22.00	4.60	-1	-1.00
15.0	22.00	4.40	-1	-1.00
16.0	21.20	4.30	-1	-1.00
17.0	20.80	4.20	-1	-1.00
18.0	20.80	4.20	-1	-1.00
19.0	19.50	4.40	-1	-1.00
20.0	18.70	4.60	-1	-1.00
21.0	18.10	4.80	-1	-1.00
22.5	17.10	4.80	-1	-1.00
25.0	14.00	5.40	-1	-1.00
30.0	12.20	5.80	-1	-1.00
35.0	11.00	6.20	-1	-1.00
40.0	10.00	6.25	-1	-1.00
45.0	9.80	6.00	-1	-1.00
50.0	9.50	5.90	-1	-1.00
55.0	9.50	5.75	-1	-1.00
60.0	8.90	5.40	-1	-1.00

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW05
DATE 08-26-87 TIME 1045

AIR TEMPERATURE -1.00 DEGREES
LAKE ELEVATION 3692.09 FEET
WEATHER "CLEAR, CALM"
SECCHI 6.90 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	24.90	6.90	610	-1.00
2.5	24.80	6.80	-1	-1.00
5.0	24.50	6.70	-1	-1.00
7.5	24.30	6.65	-1	-1.00
8.0	24.30	6.60	-1	-1.00
9.0	24.30	6.55	-1	-1.00
10.0	24.20	6.50	-1	-1.00
11.0	24.20	6.45	-1	-1.00
12.0	24.10	6.30	-1	-1.00
13.0	24.10	6.25	-1	-1.00
14.0	24.00	6.25	-1	-1.00
15.0	24.00	6.20	-1	-1.00
16.0	24.00	6.10	-1	-1.00
17.0	23.70	4.90	-1	-1.00
18.0	23.20	4.10	-1	-1.00
19.0	22.10	3.50	-1	-1.00
20.0	20.20	2.90	-1	-1.00
21.0	19.20	2.85	-1	-1.00
22.5	18.00	2.80	-1	-1.00
25.0	16.20	3.45	-1	-1.00
30.0	13.90	4.55	-1	-1.00
35.0	12.00	5.60	-1	-1.00
40.0	11.00	6.10	-1	-1.00
45.0	10.20	6.25	-1	-1.00
50.0	10.10	6.00	-1	-1.00
55.0	9.90	5.90	-1	-1.00
60.0	9.75	5.90	-1	-1.00

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW06
DATE 08-26-87 TIME 1300

AIR TEMPERATURE -1.00 DEGREES
LAKE ELEVATION 3692.09 FEET
WEATHER "BREEZE (E). CLEAR"
SECCHI 5.00 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	25.00	6.65	880	-1.00
2.5	24.60	6.60	-1	-1.00
5.0	24.50	6.55	-1	-1.00
7.5	24.40	6.50	-1	-1.00
10.0	24.40	6.50	-1	-1.00
12.5	24.40	6.50	-1	-1.00
15.0	24.30	6.20	-1	-1.00
16.0	23.90	4.65	-1	-1.00
17.0	22.80	4.50	-1	-1.00
18.0	22.10	4.30	-1	-1.00
19.0	21.50	4.35	-1	-1.00
20.0	21.20	4.35	-1	-1.00
21.0	19.50	4.30	-1	-1.00
22.0	17.90	4.70	-1	-1.00
23.0	16.60	5.20	-1	-1.00
24.0	15.80	5.20	-1	-1.00
25.0	15.20	5.65	-1	-1.00
30.0	12.80	6.45	-1	-1.00
35.0	11.30	6.80	-1	-1.00
40.0	10.70	6.90	-1	-1.00
45.0	10.20	6.95	-1	-1.00
50.0	10.00	6.90	-1	-1.00
55.0	10.00	6.80	-1	-1.00
60.0	10.00	5.90	-1	-1.00

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW01
DATE 09-21-87 TIME 0925

AIR TEMPERATURE 25.00 DEGREES
LAKE ELEVATION 3688.76 FEET
WEATHER "CLEAR, CALM"
SECCHI 8.00 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	22.80	7.45	630	-1.00
2.5	22.80	7.38	-1	-1.00
5.0	22.70	7.58	-1	-1.00
7.5	22.70	7.48	-1	-1.00
10.0	22.60	7.40	-1	-1.00
11.0	22.60	7.32	-1	-1.00
12.0	22.60	7.40	-1	-1.00
13.0	22.60	7.27	-1	-1.00
14.0	22.60	7.50	-1	-1.00
15.0	22.60	7.45	-1	-1.00
16.0	22.50	7.25	-1	-1.00
17.0	22.00	6.75	-1	-1.00
18.0	21.80	6.40	-1	-1.00
19.0	20.00	5.70	-1	-1.00
20.0	19.00	5.60	-1	-1.00
21.0	18.30	5.55	-1	-1.00
22.5	16.80	5.20	-1	-1.00
25.0	15.80	5.12	-1	-1.00
27.5	14.80	5.20	-1	-1.00
30.0	13.80	5.28	-1	-1.00
35.0	12.40	4.60	-1	-1.00
40.0	11.40	5.38	-1	-1.00
45.0	11.00	5.70	-1	-1.00
50.0	10.30	6.25	-1	-1.00
55.0	9.90	6.40	-1	-1.00
60.0	9.50	6.50	-1	-1.00

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW02
DATE 09-21-87 TIME 1100

AIR TEMPERATURE 28.00 DEGREES
LAKE ELEVATION 3688.76 FEET
WEATHER "PTLY CLOUDY, BREEZE (NW)"
SECCHI 6.50 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	23.20	7.40	590	-1.00
2.5	23.20	7.55	-1	-1.00
5.0	23.10	7.50	-1	-1.00
7.5	23.00	7.60	-1	-1.00
10.0	23.00	7.60	-1	-1.00
12.5	23.00	7.60	-1	-1.00
15.0	23.00	7.40	-1	-1.00
16.0	22.50	6.15	-1	-1.00
17.0	21.20	5.20	-1	-1.00
18.0	20.80	4.90	-1	-1.00
19.0	19.80	4.80	-1	-1.00
20.0	18.60	4.55	-1	-1.00
21.0	18.00	4.40	-1	-1.00
22.0	17.80	4.35	-1	-1.00
23.0	17.00	4.30	-1	-1.00
24.0	16.50	4.35	-1	-1.00
25.0	16.10	4.40	-1	-1.00
27.5	15.30	4.75	-1	-1.00
30.0	13.80	5.30	-1	-1.00
35.0	12.10	5.50	-1	-1.00
40.0	11.30	5.85	-1	-1.00
45.0	10.50	6.15	-1	-1.00
50.0	10.00	6.15	-1	-1.00
55.0	9.50	6.20	-1	-1.00
60.0	9.30	6.35	-1	-1.00

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW03
DATE 07-21-87 TIME 1555

AIR TEMPERATURE 28.00 DEGREES
LAKE ELEVATION 3688.76 FEET
WEATHER "CLEAR, CALM"
SECCHI 9.80 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	24.00	7.35	470	-1.00
2.5	23.60	7.35	-1	-1.00
5.0	23.00	7.35	-1	-1.00
7.5	23.00	7.30	-1	-1.00
10.0	22.90	7.15	-1	-1.00
12.5	22.80	6.80	-1	-1.00
15.0	22.60	6.50	-1	-1.00
16.0	22.40	6.35	-1	-1.00
17.0	21.80	5.25	-1	-1.00
18.0	20.10	4.05	-1	-1.00
19.0	19.00	4.20	-1	-1.00
20.0	18.40	3.50	-1	-1.00
21.0	17.90	3.50	-1	-1.00
22.0	17.00	3.95	-1	-1.00
23.0	16.50	4.15	-1	-1.00
24.0	16.00	4.35	-1	-1.00
25.0	15.70	4.50	-1	-1.00
27.5	15.00	4.85	-1	-1.00
30.0	13.20	5.65	-1	-1.00
35.0	12.00	6.30	-1	-1.00
40.0	11.00	7.10	-1	-1.00
45.0	10.00	7.50	-1	-1.00
50.0	9.60	7.50	-1	-1.00
55.0	9.30	7.50	-1	-1.00
60.0	9.10	7.50	-1	-1.00

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW04
DATE 09-21-87 TIME 1415

AIR TEMPERATURE 30.00 DEGREES
LAKE ELEVATION 3688.76 FEET
WEATHER "CLEAR, CALM"
SECCHI 9.70 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	24.00	7.00	525	-1.00
2.5	23.20	7.10	-1	-1.00
5.0	23.00	7.15	-1	-1.00
7.5	23.00	7.10	-1	-1.00
10.0	22.80	7.05	-1	-1.00
12.5	22.80	6.95	-1	-1.00
15.0	22.50	5.85	-1	-1.00
16.0	21.60	3.65	-1	-1.00
17.0	20.90	3.60	-1	-1.00
18.0	20.00	4.00	-1	-1.00
19.0	19.20	4.15	-1	-1.00
20.0	18.80	4.40	-1	-1.00
21.0	17.80	4.75	-1	-1.00
22.5	16.80	5.00	-1	-1.00
25.0	15.40	5.10	-1	-1.00
27.5	14.00	5.65	-1	-1.00
30.0	13.80	6.15	-1	-1.00
35.0	11.60	6.65	-1	-1.00
40.0	10.80	6.85	-1	-1.00
45.0	10.00	6.85	-1	-1.00
50.0	9.70	6.55	-1	-1.00
55.0	9.20	6.25	-1	-1.00
58.0	9.00	5.85	-1	-1.00

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW05
DATE 09-21-87 TIME 1050

AIR TEMPERATURE 23.00 DEGREES
LAKE ELEVATION 3688.68 FEET
WEATHER "CLEAR, BREEZE (NW)"
SECCHI 6.50 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	23.20	7.05	625	-1.00
2.5	23.10	7.00	-1	-1.00
5.0	23.00	6.95	-1	-1.00
7.5	23.00	6.95	-1	-1.00
10.0	23.00	7.00	-1	-1.00
12.0	23.00	6.95	-1	-1.00
13.0	22.90	6.50	-1	-1.00
14.0	22.90	5.30	-1	-1.00
15.0	22.20	4.30	-1	-1.00
16.0	22.20	3.55	-1	-1.00
17.0	22.20	4.00	-1	-1.00
18.0	22.00	4.10	-1	-1.00
19.0	21.90	4.10	-1	-1.00
20.0	20.90	4.05	-1	-1.00
21.0	20.10	4.00	-1	-1.00
22.0	19.20	3.95	-1	-1.00
23.0	18.00	3.65	-1	-1.00
24.0	16.90	2.90	-1	-1.00
25.0	16.10	3.05	-1	-1.00
26.0	15.60	3.50	-1	-1.00
27.0	15.10	3.70	-1	-1.00
28.0	14.80	3.80	-1	-1.00
29.0	14.10	4.05	-1	-1.00
30.0	13.60	4.70	-1	-1.00
32.5	12.60	5.55	-1	-1.00
35.0	11.80	6.40	-1	-1.00
40.0	10.90	6.45	-1	-1.00
45.0	10.10	6.25	-1	-1.00
50.0	10.00	6.00	-1	-1.00
55.0	9.60	6.40	-1	-1.00
60.0	9.40	6.35	-1	-1.00

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW06
DATE 09-22-87 TIME 1400

AIR TEMPERATURE 26.50 DEGREES
LAKE ELEVATION 3688.68 FEET
WEATHER "CLEAR, WINDY 10-15 (SW)"
SECCHI 8.00 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	23.30	7.10	860	-1.00
2.5	23.00	7.00	-1	-1.00
5.0	22.40	7.00	-1	-1.00
7.5	22.30	6.90	-1	-1.00
10.0	22.20	6.95	-1	-1.00
12.0	22.20	6.95	-1	-1.00
14.0	22.20	6.95	-1	-1.00
15.0	22.20	6.80	-1	-1.00
16.0	22.20	6.80	-1	-1.00
17.0	22.10	5.00	-1	-1.00
18.0	21.60	4.60	-1	-1.00
19.0	21.50	4.60	-1	-1.00
20.0	21.00	4.60	-1	-1.00
21.0	20.10	4.50	-1	-1.00
22.0	19.90	4.50	-1	-1.00
23.0	18.90	4.50	-1	-1.00
24.0	18.00	4.65	-1	-1.00
25.0	16.60	4.90	-1	-1.00
26.0	15.50	5.25	-1	-1.00
27.0	14.90	5.50	-1	-1.00
28.0	14.20	6.00	-1	-1.00
29.0	13.70	6.25	-1	-1.00
30.0	13.30	6.15	-1	-1.00
35.0	11.90	6.85	-1	-1.00
40.0	11.00	7.00	-1	-1.00
45.0	10.40	7.20	-1	-1.00
50.0	10.00	7.05	-1	-1.00
55.0	10.00	7.15	-1	-1.00
60.0	9.80	7.00	-1	-1.00

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW01
DATE 11-23-87 TIME 1430

AIR TEMPERATURE -1.00 DEGREES
LAKE ELEVATION 3687.75 FEET
WEATHER "CLEAR, CALM"
SECCHI 13.00 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	15.60	7.60	-1	-1.00
2.5	15.40	7.60	-1	-1.00
5.0	15.20	7.50	-1	-1.00
7.0	15.10	7.40	-1	-1.00
10.0	15.10	7.20	-1	-1.00
12.5	15.10	7.00	-1	-1.00
15.0	15.10	6.70	-1	-1.00
17.5	15.10	6.50	-1	-1.00
20.0	15.00	6.20	-1	-1.00
22.5	15.00	6.10	-1	-1.00
25.0	15.00	5.70	-1	-1.00
24.5	15.00	5.70	-1	-1.00
30.0	14.90	5.40	-1	-1.00
31.0	14.90	5.40	-1	-1.00
32.0	14.90	5.20	-1	-1.00
33.0	14.90	5.20	-1	-1.00
34.0	14.90	5.10	-1	-1.00
35.0	14.80	5.00	-1	-1.00
36.0	14.50	4.80	-1	-1.00
37.0	13.10	3.40	-1	-1.00
38.0	12.20	2.90	-1	-1.00
39.0	12.10	2.80	-1	-1.00
40.0	12.00	2.80	-1	-1.00
42.5	11.50	3.00	-1	-1.00
45.0	11.00	3.20	-1	-1.00
47.5	10.90	3.20	-1	-1.00
50.0	10.20	3.40	-1	-1.00
52.5	10.00	3.40	-1	-1.00
55.0	10.00	3.40	-1	-1.00
60.0	9.70	3.30	-1	-1.00

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW02
DATE 11-23-87 TIME 1230

AIR TEMPERATURE -1.00 DEGREES
LAKE ELEVATION 3687.75 FEET
WEATHER "CLEAR, CALM"
SECCHI 12.70 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	15.80	7.60	-1	-1.00
2.5	15.80	7.40	-1	-1.00
5.0	15.80	7.40	-1	-1.00
7.5	15.80	7.50	-1	-1.00
10.0	15.70	7.70	-1	-1.00
12.5	15.70	8.00	-1	-1.00
15.0	15.70	8.10	-1	-1.00
17.5	15.70	8.10	-1	-1.00
20.0	15.70	8.00	-1	-1.00
22.5	15.70	7.80	-1	-1.00
25.0	15.70	7.50	-1	-1.00
27.5	15.60	7.23	-1	-1.00
30.0	15.30	6.10	-1	-1.00
31.0	14.40	4.50	-1	-1.00
32.0	14.10	4.40	-1	-1.00
33.0	13.80	4.40	-1	-1.00
34.0	13.30	4.40	-1	-1.00
35.0	13.00	4.40	-1	-1.00
37.5	13.00	4.40	-1	-1.00
40.0	12.80	4.40	-1	-1.00
42.5	11.20	4.40	-1	-1.00
45.0	10.90	4.20	-1	-1.00
47.5	10.50	3.80	-1	-1.00
50.0	10.20	3.70	-1	-1.00
52.5	10.00	3.70	-1	-1.00
55.0	9.70	3.40	-1	-1.00
57.5	9.30	3.30	-1	-1.00
60.0	9.20	3.20	-1	-1.00

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW03
DATE 11-25-87 TIME 0915

AIR TEMPERATURE -1.00 DEGREES
LAKE ELEVATION 3687.51 FEET
WEATHER "CLEAR, CALM"
SECCHI 10.30 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	14.80	7.00	-1	-1.00
2.5	14.80	6.90	-1	-1.00
5.0	14.80	6.90	-1	-1.00
7.5	14.80	6.90	-1	-1.00
10.0	14.80	6.90	-1	-1.00
12.5	14.80	6.90	-1	-1.00
15.0	14.80	6.90	-1	-1.00
17.5	14.80	6.90	-1	-1.00
20.0	14.80	6.90	-1	-1.00
22.5	14.80	6.90	-1	-1.00
25.0	14.80	6.90	-1	-1.00
27.5	14.60	6.40	-1	-1.00
28.0	14.50	6.10	-1	-1.00
29.0	14.20	5.80	-1	-1.00
30.0	13.70	5.00	-1	-1.00
31.0	13.20	5.00	-1	-1.00
32.0	13.00	5.00	-1	-1.00
33.0	13.00	5.10	-1	-1.00
34.0	12.80	5.10	-1	-1.00
35.0	12.30	5.30	-1	-1.00
37.5	12.10	5.40	-1	-1.00
40.0	11.50	5.70	-1	-1.00
42.5	11.10	5.90	-1	-1.00
45.0	10.80	6.00	-1	-1.00
47.5	10.30	6.20	-1	-1.00
50.0	10.00	6.30	-1	-1.00
52.5	10.00	6.40	-1	-1.00
55.0	9.80	6.40	-1	-1.00
57.5	9.40	6.40	-1	-1.00
60.0	9.20	6.40	-1	-1.00

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW04
DATE 11-24-87 TIME 0915

AIR TEMPERATURE -1.00 DEGREES
LAKE ELEVATION 3687.62 FEET
WEATHER "CLEAR, BREEZE (S)"
SECCHI 5.30 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	14.70	7.00	-1	-1.00
2.5	14.70	6.90	-1	-1.00
5.0	14.70	6.90	-1	-1.00
7.5	14.70	6.80	-1	-1.00
10.0	14.70	6.80	-1	-1.00
12.5	14.70	6.80	-1	-1.00
15.0	14.70	6.70	-1	-1.00
17.5	14.70	6.70	-1	-1.00
20.0	14.70	6.60	-1	-1.00
22.5	14.70	6.50	-1	-1.00
23.0	14.70	6.40	-1	-1.00
26.0	14.50	5.70	-1	-1.00
27.0	14.10	5.20	-1	-1.00
28.0	14.00	5.20	-1	-1.00
29.0	14.00	5.30	-1	-1.00
30.0	14.00	5.50	-1	-1.00
31.0	14.00	5.50	-1	-1.00
32.0	14.00	5.50	-1	-1.00
33.0	13.80	5.50	-1	-1.00
34.0	13.40	5.00	-1	-1.00
35.0	12.70	4.70	-1	-1.00
36.0	12.40	4.80	-1	-1.00
37.0	12.00	4.90	-1	-1.00
38.0	11.80	5.00	-1	-1.00
39.0	11.40	5.00	-1	-1.00
40.0	11.30	5.00	-1	-1.00
42.5	11.00	5.10	-1	-1.00
45.0	10.30	5.00	-1	-1.00
47.5	10.00	4.90	-1	-1.00
50.0	9.80	4.80	-1	-1.00
52.5	9.60	4.70	-1	-1.00
55.0	9.40	4.50	-1	-1.00
57.5	9.30	4.30	-1	-1.00
60.0	9.20	4.10	-1	-1.00

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW05
DATE 11-24-87 TIME 1530

AIR TEMPERATURE -1.00 DEGREES
LAKE ELEVATION 3687.62 FEET
WEATHER "CLEAR, CALM"
SECCHI 7.25 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	15.50	6.90	-1	-1.00
2.5	15.30	6.70	-1	-1.00
5.0	15.20	6.70	-1	-1.00
7.5	15.10	6.60	-1	-1.00
10.0	15.10	6.60	-1	-1.00
12.5	15.00	6.60	-1	-1.00
15.0	15.00	6.50	-1	-1.00
17.5	15.00	6.50	-1	-1.00
20.0	15.00	6.40	-1	-1.00
22.5	15.00	6.40	-1	-1.00
25.0	15.00	6.30	-1	-1.00
26.0	15.00	6.20	-1	-1.00
27.5	14.10	5.80	-1	-1.00
28.0	14.10	5.80	-1	-1.00
29.0	14.10	5.70	-1	-1.00
30.0	14.00	5.60	-1	-1.00
32.5	13.50	4.90	-1	-1.00
35.0	12.50	4.80	-1	-1.00
37.5	12.20	5.00	-1	-1.00
40.0	11.30	4.80	-1	-1.00
42.5	11.10	5.30	-1	-1.00
45.0	10.90	5.40	-1	-1.00
47.5	10.60	5.40	-1	-1.00
50.0	10.20	5.50	-1	-1.00
55.0	10.00	5.30	-1	-1.00
60.0	9.90	5.20	-1	-1.00

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW06
DATE 11-24-87 TIME 1330

AIR TEMPERATURE -1.00 DEGREES
LAKE ELEVATION 3687.62 FEET
WEATHER "CLEAR, WINDY"
SECCHI 6.40 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	15.00	7.20	-1	-1.00
2.5	15.00	7.30	-1	-1.00
5.0	15.00	7.20	-1	-1.00
7.5	15.00	7.20	-1	-1.00
10.0	15.00	7.10	-1	-1.00
12.5	15.00	7.10	-1	-1.00
15.0	15.00	7.00	-1	-1.00
17.5	15.00	6.90	-1	-1.00
20.0	15.00	6.80	-1	-1.00
22.5	15.00	6.80	-1	-1.00
25.0	15.00	6.70	-1	-1.00
27.5	15.00	6.60	-1	-1.00
30.0	14.90	6.50	-1	-1.00
32.5	14.90	6.10	-1	-1.00
35.0	14.40	6.10	-1	-1.00
36.0	14.10	6.10	-1	-1.00
37.0	14.00	6.10	-1	-1.00
38.0	13.90	6.20	-1	-1.00
39.0	13.80	6.20	-1	-1.00
40.0	13.50	6.10	-1	-1.00
41.0	13.50	6.20	-1	-1.00
42.0	13.20	6.20	-1	-1.00
43.0	13.00	6.10	-1	-1.00
44.0	13.00	6.10	-1	-1.00
45.0	13.00	6.00	-1	-1.00
47.5	12.80	5.90	-1	-1.00
50.0	12.20	5.30	-1	-1.00
55.0	12.00	5.90	-1	-1.00
60.0	11.00	6.30	-1	-1.00

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW01
DATE 03-29-88 TIME 0855

AIR TEMPERATURE -1.00 DEGREES
LAKE ELEVATION -1.00 FEET
WEATHER "CLEAR. CALM"
SECCHI 15.75 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	10.46	8.99	640	8.70
5.0	10.28	8.98	641	8.67
10.0	10.22	8.93	643	8.67
15.0	10.20	8.84	654	8.68
20.0	10.19	8.71	674	8.68
25.0	9.29	8.18	679	8.61
30.0	8.64	7.17	688	8.51
35.0	8.54	7.12	690	8.49
40.0	8.39	7.19	697	8.48
45.0	8.17	6.55	731	8.41
50.0	7.78	5.83	791	8.34
55.0	7.65	5.65	802	8.32
60.0	7.60	5.62	815	8.31
65.0	7.61	5.67	836	8.33
70.0	7.79	5.92	888	8.39
75.0	7.98	6.45	959	8.50
80.0	7.74	6.94	962	8.56
85.0	7.37	7.21	958	8.59
90.0	7.28	7.25	954	8.59
95.0	7.16	7.29	945	8.60
100.0	7.04	7.36	934	8.60

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW02
DATE 03-29-88 TIME 1115

AIR TEMPERATURE -1.00 DEGREES
LAKE ELEVATION -1.00 FEET
WEATHER "CLEAR. BREEZE (N)"
SECCHI 13.40 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	10.85	9.22	633	8.76
5.0	10.60	8.99	635	8.73
10.0	10.53	8.79	651	8.72
15.0	10.50	8.64	663	8.72
20.0	9.39	8.18	668	8.65
25.0	9.08	7.90	673	8.61
30.0	8.63	7.45	682	8.55
35.0	8.47	7.26	695	8.52
40.0	8.30	6.65	729	8.46
45.0	8.14	6.29	776	8.39
50.0	8.04	5.68	832	8.35
55.0	8.03	5.68	861	8.37
60.0	8.02	5.85	881	8.40
65.0	7.95	6.03	909	8.45
70.0	8.01	6.71	954	8.56
75.0	7.89	6.92	966	8.60
80.0	7.66	7.08	964	8.61
85.0	6.81	7.40	937	8.62
90.0	6.66	7.53	925	8.62
95.0	6.37	7.63	912	8.63
100.0	6.31	7.70	910	8.63

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW03
DATE 03-30-88 TIME 1530

AIR TEMPERATURE -1.00 DEGREES
LAKE ELEVATION -1.00 FEET
WEATHER "SNOW"
SECCHI 12.20 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	9.69	9.16	635	8.75
5.0	9.76	8.98	643	8.71
10.0	9.75	8.85	667	8.70
15.0	9.76	8.74	672	8.70
20.0	9.66	8.66	672	8.69
25.0	9.14	8.52	670	8.66
30.0	8.87	8.41	671	8.65
35.0	8.38	8.28	666	8.62
40.0	8.79	7.91	663	8.58
45.0	7.28	7.75	655	8.56
50.0	6.72	7.81	664	8.56
55.0	6.09	7.94	688	8.56
60.0	6.00	7.98	704	8.56
65.0	6.11	7.93	744	8.56
70.0	6.24	7.81	842	8.58
75.0	5.95	7.88	869	8.60
80.0	5.78	8.03	890	8.61
85.0	5.59	8.06	890	8.61
90.0	5.51	8.11	883	8.62
95.0	5.48	8.12	886	8.62
100.0	5.48	8.12	888	8.62

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW04
DATE 03-29-88 TIME 1425

AIR TEMPERATURE -1.00 DEGREES
LAKE ELEVATION -1.00 FEET
WEATHER "CLEAR. CALM"
SECCHI 13.75 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	11.31	9.73	581	8.77
5.0	10.47	9.21	588	8.74
10.0	10.30	8.94	611	8.73
15.0	9.21	8.65	616	8.69
20.0	8.68	8.20	625	8.64
25.0	8.17	7.82	626	8.59
30.0	7.88	7.69	627	8.57
35.0	7.76	7.69	630	8.57
40.0	7.53	7.81	655	8.58
45.0	7.39	7.87	665	8.60
50.0	7.00	8.02	685	8.60
55.0	6.78	8.05	694	8.61
60.0	6.66	8.01	707	8.60
65.0	6.55	7.82	733	8.56
67.5	6.66	6.89	823	8.50

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW05
DATE 03-30-88 TIME 0640

AIR TEMPERATURE -1.00 DEGREES
LAKE ELEVATION -1.00 FEET
WEATHER "OVERCAST. WINDY(2FT WAVES) (N)"
SECCHI 13.00 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	9.90	9.21	659	8.76
5.0	9.90	9.06	678	8.73
10.0	9.66	8.93	682	8.71
15.0	9.58	8.74	692	8.71
20.0	8.97	8.46	694	8.67
25.0	8.77	8.41	700	8.67
30.0	8.44	8.21	708	8.65
35.0	8.08	8.07	725	8.63
40.0	7.76	7.96	745	8.62
45.0	7.57	7.95	763	8.61
50.0	7.28	7.92	787	8.61
55.0	7.00	8.12	821	8.62
60.0	6.52	8.19	872	8.62
65.0	6.27	8.20	878	8.62
70.0	6.18	8.25	889	8.62
75.0	6.12	8.34	897	8.62
80.0	5.90	8.33	902	8.62
85.0	5.85	8.36	906	8.62

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW06
DATE 03-30-88 TIME 0920

AIR TEMPERATURE -1.00 DEGREES
LAKE ELEVATION -1.00 FEET
WEATHER "OVERCAST. 3FT WAVES (25 MPH - E)"
SECCHI 7.00 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	8.99	9.15	692	8.79
5.0	9.00	8.89	710	8.75
10.0	9.00	8.79	721	8.74
15.0	9.00	8.79	723	8.74
20.0	8.65	8.62	731	8.71
25.0	8.48	8.55	733	8.71
30.0	8.20	8.44	733	8.69
35.0	8.10	8.43	739	8.69
40.0	7.98	8.50	768	8.70
45.0	7.76	8.48	788	8.69
50.0	7.44	8.52	858	8.69
55.0	7.20	8.58	892	8.69
60.0	7.00	8.58	919	8.69
65.0	6.88	8.64	929	8.68
70.0	6.76	8.53	935	8.67
73.0	6.72	8.49	938	8.66

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW01
DATE 04-25-88 TIME 1030

WEATHER "CLEAR. CALM"
SECCHI 11.60 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	13.50	9.10	-	-
5.0	13.00	9.10	-	-
10.0	11.50	9.20	-	-
15.0	9.50	8.70	-	-
20.0	9.00	8.20	-	-
25.0	8.50	7.80	-	-
30.0	8.10	7.60	-	-
35.0	8.00	7.30	-	-
40.0	7.80	7.00	-	-
45.0	7.60	6.50	-	-
50.0	7.50	6.10	-	-
55.0	7.40	6.20	-	-
60.0	7.40	6.40	-	-

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW02
DATE 04-25-68 TIME 1215

AIR TEMPERATURE -1.00 DEGREES
LAKE ELEVATION -1.00 FEET
WEATHER "CLEAR. CALM"
SECCHI 13.30 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	13.50	8.90	-1	-1.00
5.0	12.80	8.90	-1	-1.00
10.0	12.20	9.10	-1	-1.00
15.0	9.80	8.70	-1	-1.00
20.0	8.90	8.10	-1	-1.00
25.0	8.50	7.70	-1	-1.00
30.0	8.30	7.50	-1	-1.00
35.0	8.10	7.10	-1	-1.00
40.0	8.00	6.70	-1	-1.00
45.0	8.00	6.20	-1	-1.00
50.0	8.00	6.00	-1	-1.00
55.0	8.00	6.00	-1	-1.00
60.0	7.80	6.30	-1	-1.00

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW03
DATE 04-25-88 TIME 1650

AIR TEMPERATURE -1.00 DEGREES
LAKE ELEVATION -1.00 FEET
WEATHER "PARTLY CLOUDY. 20 MPH (W)"
SECCHI 11.00 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	12.20	9.00	-1	-1.00
5.0	12.20	8.90	-1	-1.00
10.0	12.10	8.90	-1	-1.00
15.0	12.00	9.00	-1	-1.00
20.0	10.90	8.70	-1	-1.00
25.0	8.50	8.50	-1	-1.00
30.0	8.00	8.30	-1	-1.00
35.0	7.70	8.10	-1	-1.00
40.0	7.20	8.00	-1	-1.00
45.0	6.80	8.10	-1	-1.00
50.0	6.20	8.10	-1	-1.00
55.0	6.00	8.20	-1	-1.00
60.0	6.00	8.10	-1	-1.00

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW04
DATE 04-25-88 TIME 1515

AIR TEMPERATURE -1.00 DEGREES
LAKE ELEVATION -1.00 FEET
WEATHER "CLEAR. BREEZE 5 MPH (W)"
SECCHI 11.70 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	13.20	8.80	-1	-1.00
5.0	13.00	8.70	-1	-1.00
10.0	12.50	8.80	-1	-1.00
15.0	10.40	8.80	-1	-1.00
20.0	9.30	8.60	-1	-1.00
25.0	8.90	8.40	-1	-1.00
30.0	8.20	8.10	-1	-1.00
35.0	7.90	8.00	-1	-1.00
40.0	7.60	8.00	-1	-1.00
45.0	7.60	8.00	-1	-1.00
50.0	7.40	8.00	-1	-1.00
55.0	7.40	8.00	-1	-1.00
60.0	6.50	7.80	-1	-1.00

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW05
DATE 04-26-88 TIME 0800

AIR TEMPERATURE -1.00 DEGREES
LAKE ELEVATION -1.00 FEET
WEATHER "CLEAR. 0-5 MPH (N)"
SECCHI 11.00 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	12.50	8.60	-1	-1.00
5.0	12.50	8.50	-1	-1.00
10.0	12.50	8.50	-1	-1.00
15.0	10.50	8.50	-1	-1.00
20.0	9.50	8.40	-1	-1.00
25.0	9.00	8.30	-1	-1.00
30.0	8.80	8.20	-1	-1.00
35.0	8.50	8.00	-1	-1.00
40.0	8.00	8.00	-1	-1.00
45.0	7.90	7.80	-1	-1.00
50.0	7.50	7.80	-1	-1.00
55.0	7.40	8.00	-1	-1.00
60.0	7.30	7.90	-1	-1.00

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 11/25/87 TIME 1015

DEPTH 30-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	1205.400	7323.200	4264.300	4325.937
Cyc. copepodites	90.400	512.300	301.350	298.328
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	301.400	2019.100	1160.250	1214.597
Cyc. bicuspidatus (f)	84.100	84.100	84.100	0.000
Cyc. bicuspidatus (m)	6.300	6.300	6.300	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	0.000	250.200	125.100	176.918
Diap. ashlandi (m)	0.000	51.200	25.600	36.203
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	90.400	0.000	45.200	63.922
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	163.100	163.100	163.100	0.000
Calanoid eggs	72.300	200.200	136.250	90.438
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	105.500	52.750	74.599
Daph. pulex (juv)	0.000	105.500	52.750	74.599
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	301.400	150.700	213.121
Synchaeta spp.	90.400	693.100	391.750	426.173
Lecane spp.	90.400	0.000	45.200	63.922
Misc. Rotifers	0.000	90.400	45.200	63.922
TOTAL ZOOPLANKTON	1958.800	11542.300	6750.550	6776.557

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW06
DATE 04-26-88 TIME 1030

AIR TEMPERATURE -1.00 DEGREES
LAKE ELEVATION -1.00 FEET
WEATHER "CLEAR. 5-10 MPH (NE)"
SECCHI 7.90 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	12.80	8.30	-1	-1.00
5.0	12.50	8.20	-1	-1.00
10.0	12.50	8.20	-1	-1.00
15.0	12.20	8.40	-1	-1.00
20.0	12.20	8.30	-1	-1.00
25.0	11.20	8.40	-1	-1.00
30.0	9.50	8.50	-1	-1.00
35.0	9.20	8.40	-1	-1.00
40.0	9.00	8.30	-1	-1.00
45.0	9.00	8.10	-1	-1.00
50.0	8.80	7.90	-1	-1.00
55.0	8.70	7.80	-1	-1.00
60.0	8.50	7.80	-1	-1.00

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW01
DATE 06-28-88 TIME 1700

AIR TEMPERATURE -1.00 DEGREES
LAKE ELEVATION -1.00 FEET
WEATHER "OVERCAST. WIND 20 MPH (S)"
SECCHI 2.00 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	23.00	8.50	-1	-1.00
2.0	23.00	8.40	-1	-1.00
4.0	23.00	8.40	-1	-1.00
6.0	23.00	8.50	-1	-1.00
7.0	23.00	8.40	-1	-1.00
8.0	20.80	10.20	-1	-1.00
9.0	18.30	10.40	-1	-1.00
10.0	16.20	9.50	-1	-1.00
11.0	16.90	10.30	-1	-1.00
12.0	15.90	10.20	-1	-1.00
13.0	15.00	9.70	-1	-1.00
14.0	14.20	9.50	-1	-1.00
15.0	12.90	9.20	-1	-1.00
16.0	12.90	9.10	-1	-1.00
17.0	12.00	8.90	-1	-1.00
18.0	11.50	8.60	-1	-1.00
19.0	11.20	8.60	-1	-1.00
20.0	11.00	8.60	-1	-1.00
22.5	10.20	8.40	-1	-1.00
25.0	10.00	8.30	-1	-1.00
30.0	9.00	7.90	-1	-1.00
35.0	8.20	7.70	-1	-1.00
40.0	7.90	7.30	-1	-1.00
45.0	7.50	7.10	-1	-1.00
50.0	7.10	6.90	-1	-1.00
55.0	7.00	6.90	-1	-1.00
60.0	7.00	6.60	-1	-1.00

PHYSICAL MEASUREMENTS

LAKE POWELL STATION PW02
DATE 06-28-88 TIME 1430

AIR TEMPERATURE -1.00 DEGREES
LAKE ELEVATION -1.00 FEET
WEATHER "OVERCAST. WINDY 15 MPH (S)"
SECCHI 2.40 METERS

DEPTH M	TEMPERATURE DEGREES C	OXYGEN MG/L	CONDUCTIVITY MICRO-M/CM	P.H. STANDARD
0.0	23.20	7.90	-1	-1.00
2.0	23.20	8.10	-1	-1.00
4.0	23.20	8.10	-1	-1.00
6.0	22.90	8.30	-1	-1.00
7.0	20.90	9.35	-1	-1.00
8.0	18.80	9.80	-1	-1.00
9.0	17.80	9.60	-1	-1.00
10.0	17.00	9.40	-1	-1.00
11.0	16.50	9.30	-1	-1.00
12.0	16.20	9.30	-1	-1.00
13.0	15.50	9.20	-1	-1.00
14.0	15.20	9.10	-1	-1.00
15.0	14.00	8.90	-1	-1.00
16.0	13.20	8.85	-1	-1.00
17.0	13.00	8.90	-1	-1.00
18.0	12.10	8.80	-1	-1.00
19.0	12.10	8.60	-1	-1.00
20.0	11.90	8.50	-1	-1.00
22.5	11.10	8.40	-1	-1.00
25.0	10.60	8.20	-1	-1.00
30.0	9.20	8.00	-1	-1.00
35.0	8.10	7.75	-1	-1.00
40.0	7.60	7.30	-1	-1.00
45.0	7.40	7.20	-1	-1.00
50.0	7.20	7.10	-1	-1.00
55.0	7.00	6.95	-1	-1.00
60.0	6.90	6.80	-1	-1.00

APPENDIX B. Zooplankton measurements at all stations and depths in Lake Powell between August 1987 and June 1988.

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 08/24/87 TIME 1510

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	12750.800	11847.200	12299.000	638.941
Cyc. copepodites	1405.600	1305.200	1355.400	70.993
Meso. copepodites	1004.000	1305.200	1154.600	212.980
Diap. copepodites	200.800	200.800	200.800	0.000
Cyc. bicuspidatus (f)	0.000	200.800	100.400	141.987
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	150.600	451.800	301.200	212.980
Meso. edax (m)	50.200	150.600	100.400	70.993
Diap. ashlandi (f)	0.000	0.000	0.000	0.000
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	83.300	41.650	58.901
Diap. siciloides (m)	0.000	17.100	8.550	12.091
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	477.900	68.300	273.100	289.630
Daph. galeata (juv)	224.900	32.100	128.500	136.330
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	43.000	6.100	24.550	26.092
Bos. longirostris	12550.000	9738.800	11144.400	1987.818
Bosmina eggs	376.500	292.200	334.350	59.609
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	1807.200	1004.000	1405.600	567.948
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	200.800	100.400	141.987
Ascomorpha spp.	200.800	0.000	100.400	141.987
Misc. Rotifers	100.400	200.800	150.600	70.993
TOTAL ZOOPLANKTON	30923.200	26806.800	28865.000	2910.734

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 08/24/87 TIME 1510

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	17670.400	11542.200	14606.300	4333.291
Cyc. copepodites	3313.200	1115.000	2214.100	1554.362
Meso. copepodites	200.800	100.400	150.600	70.993
Diap. copepodites	301.200	301.200	301.200	0.000
Cyc. bicuspidatus (f)	100.400	0.000	50.200	70.993
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	451.800	0.000	225.900	319.470
Meso. edax (m)	150.600	0.000	75.300	106.490
Diap. ashlandi (f)	338.300	0.000	169.150	239.214
Diap. ashlandi (m)	68.300	0.000	34.150	48.295
Diap. reighardi (f)	164.700	0.000	82.350	116.460
Diap. reighardi (m)	36.100	0.000	18.050	25.526
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	337.300	0.000	168.650	238.507
Calanoid eggs	680.300	0.000	340.150	481.044
Daph. galeata (ad)	614.400	348.400	481.400	188.090
Daph. galeata (juv)	289.200	163.900	226.550	88.600
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	200.800	301.400	251.100	71.134
Daph. eggs	55.300	31.300	43.300	16.970
Bos. longirostris	1606.400	1506.800	1556.600	70.427
Bosmina eggs	48.200	45.200	46.700	2.121
Misc. Cladocera	100.400	0.000	50.200	70.993
Polyarthra spp.	200.800	200.800	200.800	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	100.400	100.400	100.400	0.000
Ascomorpha spp.	100.400	100.400	100.400	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	26008.600	15780.900	20894.750	7232.076

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 08/24/87 TIME 1510

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	4969.800	4668.600	4819.200	212.980
Cyc. copepodites	1054.200	978.900	1016.550	53.245
Meso. copepodites	50.200	25.100	37.650	17.748
Diap. copepodites	150.600	301.200	225.900	106.490
Cyc. bicuspidatus (f)	349.400	698.800	524.100	247.063
Cyc. bicuspidatus (m)	52.200	104.400	78.300	36.910
Meso. edax (f)	150.600	0.000	75.300	106.490
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	162.600	108.400	135.500	38.325
Diap. ashlandi (m)	138.500	92.400	115.450	32.597
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	100.400	50.200	75.300	35.496
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	3583.800	5212.800	4398.300	1151.876
Calanoid eggs	132.500	82.800	107.650	35.143
Daph. galeata (ad)	50.200	50.200	50.200	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	57.200	38.200	47.700	13.435
Daph. pulex (juv)	93.400	62.200	77.800	22.061
Daph. eggs	46.200	38.000	42.100	5.798
Bos. longirostris	150.600	0.000	75.300	106.490
Bosmina eggs	43.700	0.000	21.850	30.900
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	7529.900	7178.600	7354.250	248.406

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 08/24/87 TIME 1510

DEPTH 40-75 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	1319.500	1265.700	1292.600	38.042
Cyc. copepodites	57.400	0.000	28.700	40.587
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	57.400	111.900	84.650	38.537
Cyc. bicuspidatus (f)	323.500	161.700	242.600	114.409
Cyc. bicuspidatus (m)	20.600	10.500	15.550	7.141
Meso. edax (f)	28.700	0.000	14.350	20.293
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	36.100	54.200	45.150	12.798
Diap. ashlandi (m)	21.200	31.800	26.500	7.495
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	812.700	375.400	594.050	309.217
Calanoid eggs	60.700	91.200	75.950	21.566
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	28.700	0.000	14.350	20.293
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	114.700	0.000	57.350	81.105
Bosmina eggs	8.000	0.000	4.000	5.656
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	2007.800	1635.800	1821.800	263.043

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 08/24/87 TIME 1510

DEPTH 75-100 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	391.600	4785.600	2588.600	3107.027
Cyc. copepodites	0.000	723.300	361.650	511.450
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	120.500	156.700	138.600	25.597
Cyc. bicuspidatus (f)	37.800	532.600	285.200	349.876
Cyc. bicuspidatus (m)	2.400	34.000	18.200	22.344
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	0.000	53.200	26.600	37.618
Diap. ashlandi (m)	0.000	31.200	15.600	22.061
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	43.900	1444.800	744.350	990.585
Calanoid eggs	0.000	142.600	71.300	100.833
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	36.200	18.100	25.597
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	10.000	156.700	83.350	103.732
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	60.200	241.100	150.650	127.915
Bosmina eggs	4.200	16.900	10.550	8.980
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	36.200	18.100	25.597
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Ascomorpha spp.	0.000	36.200	18.100	25.597
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	622.500	6823.000	3722.750	4384.415

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 08/24/87 TIME 1655

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	3012.000	1717.800	2364.900	915.137
Cyc. copepodites	200.800	391.800	296.300	135.057
Meso. copepodites	803.200	1205.400	1004.300	284.398
Diap. copepodites	502.000	200.800	351.400	212.980
Cyc. bicuspidatus (f)	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	367.500	150.600	259.050	153.371
Meso. edax (m)	125.500	50.200	87.850	53.245
Diap. ashlandi (f)	277.100	69.300	173.200	146.936
Diap. ashlandi (m)	124.500	31.100	77.800	66.043
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	156.600	39.200	97.900	83.014
Daph. galeata (ad)	319.300	846.500	582.900	372.786
Daph. galeata (juv)	283.100	750.700	516.900	330.643
Daph. pulex (ad)	353.400	28.900	191.150	229.456
Daph. pulex (juv)	751.000	61.500	406.250	487.550
Daph. eggs	20.200	26.300	23.250	4.313
Bos. longirostris	2510.000	1597.200	2053.600	645.447
Bosmina eggs	376.500	239.600	308.050	96.802
Polyarthra spp.	100.400	0.000	50.200	70.993
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	9729.800	7101.800	8415.800	1858.276

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 08/24/87 TIME 1655

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	3012.000	3714.800	3363.400	496.954
Cyc. copepodites	602.400	1405.600	1004.000	567.948
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	602.400	502.000	552.200	70.993
Cyc. bicuspidatus (f)	0.000	150.600	75.300	106.490
Cyc. bicuspidatus (m)	0.000	50.200	25.100	35.496
Meso. edax (f)	150.600	75.300	112.950	53.245
Meso. edax (m)	50.200	25.100	37.650	17.748
Diap. ashlandi (f)	69.300	207.800	138.550	97.934
Diap. ashlandi (m)	31.100	93.300	62.200	43.982
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	104.400	52.200	73.821
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	257.000	128.500	192.750	90.863
Daph. pulex (juv)	546.200	273.100	409.650	193.110
Daph. eggs	7.700	3.800	5.750	2.757
Bos. longirostris	100.400	100.400	100.400	0.000
Bosmina eggs	15.100	15.100	15.100	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	100.400	50.200	70.993
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	5421.600	6827.100	6124.350	993.838

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 08/24/87 TIME 1655

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	853.400	803.200	828.300	35.496
Cyc. copepodites	150.600	502.000	326.300	248.477
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	301.200	200.800	251.000	70.993
Cyc. bicuspidatus (f)	267.100	190.800	228.950	53.952
Cyc. bicuspidatus (m)	84.300	60.200	72.250	17.041
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	106.900	142.600	124.750	25.243
Diap. ashlandi (m)	43.600	58.200	50.900	10.323
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	100.400	150.600	125.500	35.496
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	1307.200	933.200	1120.200	264.457
Calanoid eggs	198.200	277.600	237.900	56.144
Daph. galeata (ad)	0.000	50.200	25.100	35.496
Daph. galeata (juv)	0.000	50.200	25.100	35.496
Daph. pulex (ad)	10.000	0.000	5.000	7.071
Daph. pulex (juv)	40.200	0.000	20.100	28.425
Daph. eggs	5.000	25.100	15.050	14.212
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	1957.700	2208.800	2083.250	177.554

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 08/24/87 TIME 1655

DEPTH 40-75 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	286.900	430.300	358.600	101.399
Cyc. copepodites	57.400	28.700	43.050	20.293
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (f)	24.700	24.700	24.700	0.000
Cyc. bicuspidatus (m)	4.100	4.100	4.100	0.000
Meso. edax (f)	19.200	19.200	19.200	0.000
Meso. edax (m)	9.500	9.500	9.500	0.000
Diap. ashlandi (f)	20.400	20.400	20.400	0.000
Diap. ashlandi (m)	8.300	8.300	8.300	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	45.400	43.700	44.550	1.202
Calanoid eggs	28.700	28.700	28.700	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	5.700	0.000	2.850	4.030
Daph. pulex (juv)	23.000	0.000	11.500	16.263
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	28.700	0.000	14.350	20.293
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	28.700	14.350	20.293
TOTAL ZOOPLANKTON	487.900	573.900	530.900	60.811

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 08/24/87 TIME 1655

DEPTH 75-100 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	129.600	391.800	260.700	185.403
Cyc. copepodites	24.100	135.600	79.850	78.842
Meso. copepodites	3.000	3.000	3.000	0.000
Diap. copepodites	9.000	15.100	12.050	4.313
Cyc. bicuspidatus (f)	41.300	70.000	55.650	20.293
Cyc. bicuspidatus (m)	6.900	11.400	9.150	3.181
Meso. edax (f)	6.000	2.000	4.000	2.828
Meso. edax (m)	3.000	1.000	2.000	1.414
Diap. ashlandi (f)	10.700	21.300	16.000	7.495
Diap. ashlandi (m)	4.400	8.800	6.600	3.111
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	3.000	0.000	1.500	2.121
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	1.500	22.600	12.050	14.919
Daph. pulex (juv)	1.500	22.600	12.050	14.919
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	3.000	1.500	2.121
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	3.000	1.500	2.121
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	3.000	1.500	2.121
TOTAL ZOOPLANKTON	244.000	714.200	479.100	332.481

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 08/25/87 TIME 1120

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	1506.000	1706.800	1606.400	141.987
Cyc. copepodites	200.800	100.400	150.600	70.993
Meso. copepodites	1104.400	1004.000	1054.200	70.993
Diap. copepodites	401.600	401.600	401.600	0.000
Cyc. bicuspidatus (f)	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	602.400	702.800	652.600	70.993
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	76.300	76.300	76.300	0.000
Diap. ashlandi (m)	24.100	24.100	24.100	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	76.300	38.150	53.952
Misc. Copepods (m)	0.000	24.100	12.050	17.041
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	28.100	28.100	28.100	0.000
Daph. galeata (ad)	86.300	431.700	259.000	244.234
Daph. galeata (juv)	14.100	70.300	42.200	39.739
Daph. pulex (ad)	771.100	963.800	867.450	136.259
Daph. pulex (juv)	433.700	542.200	487.950	76.721
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	301.200	200.800	251.000	70.993
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	803.200	1104.400	953.800	212.980
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	200.800	100.400	150.600	70.993
TOTAL ZOOPLANKTON	6526.000	7530.000	7028.000	709.935

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 08/25/87 TIME 1120

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	1305.200	391.800	848.500	645.871
Cyc. copepodites	200.800	301.200	251.000	70.993
Meso. copepodites	100.400	200.900	150.650	71.064
Diap. copepodites	100.400	904.100	502.250	568.301
Cyc. bicuspidatus (f)	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	100.400	100.400	100.400	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	228.900	76.300	152.600	107.904
Diap. ashlandi (m)	72.300	24.100	48.200	34.082
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	133.500	133.500	133.500	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	514.000	64.300	289.150	317.985
Daph. pulex (juv)	289.200	36.100	162.650	178.968
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	301.200	100.400	200.800	141.987
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	100.400	100.400	100.400	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	3313.200	2300.000	2806.600	716.440

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 08/25/87 TIME 1120

DEPTH 20-30 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	301.200	1004.000	652.600	496.954
Cyc. copepodites	200.800	301.200	251.000	70.993
Meso. copepodites	0.000	100.400	50.200	70.993
Diap. copepodites	301.200	0.000	150.600	212.980
Cyc. bicuspidatus (f)	58.200	58.200	58.200	0.000
Cyc. bicuspidatus (m)	42.200	42.200	42.200	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	67.300	67.300	67.300	0.000
Diap. ashlandi (m)	32.100	32.100	32.100	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	175.700	175.700	175.700	0.000
Calanoid eggs	93.400	93.400	93.400	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	25.100	0.000	12.550	17.748
Daph. pulex (juv)	75.300	0.000	37.650	53.245
Daph. eggs	4.300	0.000	2.150	3.040
Bos. longirostris	100.400	0.000	50.200	70.993
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	1203.800	1605.400	1404.600	283.974

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 08/25/87 TIME 1120

DEPTH 30-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	903.600	502.000	702.800	283.974
Cyc. copepodites	100.400	100.400	100.400	0.000
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	0.000	100.400	50.200	70.993
Cyc. bicuspidatus (f)	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	67.300	0.000	33.650	47.588
Diap. ashlandi (m)	33.100	0.000	16.550	23.405
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	100.400	0.000	50.200	70.993
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	25.100	25.100	25.100	0.000
Daph. pulex (juv)	75.300	75.300	75.300	0.000
Daph. eggs	4.300	4.300	4.300	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	100.400	50.200	70.993
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	100.400	50.200	70.993
TOTAL ZOOPLANKTON	1204.800	1004.000	1104.400	141.987

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 08/25/87 TIME 1120

DEPTH 40-50 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	200.800	251.000	225.900	35.496
Cyc. copepodites	0.000	0.000	0.000	0.000
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (f)	0.000	58.200	29.100	41.153
Cyc. bicuspidatus (m)	0.000	42.200	21.100	29.839
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	67.300	0.000	33.650	47.588
Diap. ashlandi (m)	33.100	0.000	16.550	23.405
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	301.200	351.400	326.300	35.496

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 08/25/87 TIME 1120

DEPTH 50-75 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	120.500	200.800	160.650	56.780
Cyc. copepodites	0.000	0.000	0.000	0.000
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	40.200	20.100	30.150	14.212
Cyc. bicuspidatus (f)	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	26.900	26.900	26.900	0.000
Diap. ashlandi (m)	13.300	13.300	13.300	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	40.200	20.100	28.425
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	40.200	20.100	28.425
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	200.900	341.500	271.200	99.419

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 08/25/87 TIME 1120

DEPTH 75-100 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	361.600	361.600	361.600	0.000
Cyc. copepodites	40.200	80.400	60.300	28.425
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	0.000	40.200	20.100	28.425
Cyc. bicuspidatus (f)	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	40.200	0.000	20.100	28.425
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	0.000	0.000	0.000	0.000
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	5.000	2.500	3.535
Daph. galeata (juv)	0.000	5.000	2.500	3.535
Daph. pulex (ad)	5.000	2.500	3.750	1.767
Daph. pulex (juv)	15.100	7.500	11.300	5.374
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	462.100	502.200	482.150	28.354

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW04
DATE 08/25/87 TIME 1435

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	6526.000	5471.800	5998.900	745.431
Cyc. copepodites	200.800	401.600	301.200	141.987
Meso. copepodites	401.600	301.200	351.400	70.993
Diap. copepodites	1204.800	602.400	903.600	425.961
Cyc. bicuspidatus (f)	100.400	100.400	100.400	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	301.200	60.200	180.700	170.412
Meso. edax (m)	200.800	40.200	120.500	113.561
Diap. ashlandi (f)	286.100	476.900	381.500	134.915
Diap. ashlandi (m)	15.100	25.100	20.100	7.071
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	76.300	152.600	114.450	53.952
Diap. siciloides (m)	24.100	48.200	36.150	17.041
Misc. Copepods (f)	80.300	80.300	80.300	0.000
Misc. Copepods (m)	20.100	20.100	20.100	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	401.600	642.600	522.100	170.412
Daph. galeata (ad)	1204.800	1129.500	1167.150	53.245
Daph. galeata (juv)	401.600	376.500	389.050	17.748
Daph. pulex (ad)	1455.800	1506.000	1480.900	35.496
Daph. pulex (juv)	1455.800	1506.000	1480.900	35.496
Daph. eggs	266.100	263.500	264.800	1.838
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	1506.000	1204.800	1355.400	212.980
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	15461.600	13503.800	14482.700	1384.373

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW04
DATE 08/25/87 TIME 1435

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	692.800	798.200	745.500	74.529
Cyc. copepodites	120.500	105.400	112.950	10.677
Meso. copepodites	105.400	120.500	112.950	10.677
Diap. copepodites	60.200	37.700	48.950	15.909
Cyc. bicuspidatus (f)	22.600	75.300	48.950	37.264
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	54.200	36.100	45.150	12.798
Meso. edax (m)	36.200	24.100	30.150	8.555
Diap. ashlandi (f)	0.000	14.300	7.150	10.111
Diap. ashlandi (m)	0.000	0.700	0.350	0.494
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	5.700	0.000	2.850	4.030
Diap. siciloides (m)	1.800	0.000	0.900	1.272
Misc. Copepods (f)	24.100	6.000	15.050	12.798
Misc. Copepods (m)	6.000	1.500	3.750	3.181
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	33.900	28.300	31.100	3.959
Daph. galeata (juv)	11.300	9.400	10.350	1.343
Daph. pulex (ad)	48.400	45.200	46.800	2.262
Daph. pulex (juv)	48.500	45.200	46.850	2.333
Daph. eggs	8.230	7.300	7.765	0.657
Bos. longirostris	0.000	7.500	3.750	5.303
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	52.700	60.200	56.450	5.303
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	1324.300	1415.600	1369.950	64.558

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW04
DATE 08/25/87 TIME 1435

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	207.100	177.000	192.050	21.283
Cyc. copepodites	41.400	30.100	35.750	7.990
Meso. copepodites	11.300	11.300	11.300	0.000
Diap. copepodites	11.300	11.300	11.300	0.000
Cyc. bicuspidatus (f)	42.200	27.100	34.650	10.677
Cyc. bicuspidatus (m)	10.500	6.800	8.650	2.616
Meso. edax (f)	7.500	18.800	13.150	7.990
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	0.000	0.000	0.000	0.000
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	30.100	26.300	28.200	2.687
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	1.900	1.900	1.900	0.000
Daph. galeata (juv)	1.900	1.900	1.900	0.000
Daph. pulex (ad)	11.300	0.000	5.650	7.990
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	3.800	3.800	3.800	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	3.800	0.000	1.900	2.687
TOTAL ZOOPLANKTON	354.000	290.000	322.000	45.254

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW04
DATE 08/25/87 TIME 1435

DEPTH 40-70 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	112.900	133.000	122.950	14.212
Cyc. copepodites	20.100	32.600	26.350	8.838
Meso. copepodites	0.000	5.000	2.500	3.535
Diap. copepodites	0.000	2.500	1.250	1.767
Cyc. bicuspidatus (f)	1.800	7.500	4.650	4.030
Cyc. bicuspidatus (m)	0.700	2.500	1.600	1.272
Meso. edax (f)	2.500	2.500	2.500	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	0.000	0.000	0.000	0.000
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	2.500	0.000	1.250	1.767
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	12.500	0.000	6.250	8.838
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.900	0.500	0.700	0.282
Daph. pulex (juv)	4.100	2.000	3.050	1.484
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	2.500	0.000	1.250	1.767
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	2.500	0.000	1.250	1.767
TOTAL ZOOPLANKTON	163.000	188.100	175.550	17.748

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW05
DATE 08/26/87 TIME 1145

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	6425.600	7028.000	6726.800	425.961
Cyc. copepodites	502.000	602.400	552.200	70.993
Meso. copepodites	702.800	401.600	552.200	212.980
Diap. copepodites	1807.200	1305.200	1556.200	354.967
Cyc. bicuspidatus (f)	150.600	0.000	75.300	106.490
Cyc. bicuspidatus (m)	50.200	0.000	25.100	35.496
Meso. edax (f)	594.400	891.000	742.700	209.727
Meso. edax (m)	208.800	313.800	261.300	74.246
Diap. ashlandi (f)	381.500	476.900	429.200	67.457
Diap. ashlandi (m)	20.100	25.100	22.600	3.535
Diap. reighardi (f)	231.900	309.200	270.550	54.659
Diap. reighardi (m)	69.300	92.400	80.850	16.334
Diap. siciloides (f)	0.000	87.300	43.650	61.730
Diap. siciloides (m)	0.000	13.100	6.550	9.263
Misc. Copepods (f)	301.200	0.000	150.600	212.980
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	532.100	638.500	585.300	75.236
Calanoid eggs	552.200	552.200	552.200	0.000
Daph. galeata (ad)	3540.100	3224.800	3382.450	222.950
Daph. galeata (juv)	576.300	1192.800	884.550	435.931
Daph. pulex (ad)	586.300	513.000	549.650	51.830
Daph. pulex (juv)	216.900	189.600	203.250	19.304
Daph. eggs	243.600	224.300	233.950	13.647
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	1405.600	1004.000	1204.800	283.974
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	17770.800	17670.200	17720.500	71.134

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW05
DATE 08/26/87 TIME 1145

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	1405.600	1807.200	1606.400	283.974
Cyc. copepodites	401.600	401.600	401.600	0.000
Meso. copepodites	100.400	200.800	150.600	70.993
Diap. copepodites	702.800	401.600	552.200	212.980
Cyc. bicuspidatus (f)	75.300	75.300	75.300	0.000
Cyc. bicuspidatus (m)	25.100	25.100	25.100	0.000
Meso. edax (f)	222.900	74.300	148.600	105.076
Meso. edax (m)	78.300	26.100	52.200	36.910
Diap. ashlandi (f)	95.400	95.400	95.400	0.000
Diap. ashlandi (m)	5.000	5.000	5.000	0.000
Diap. reighardi (f)	77.300	0.000	38.650	54.659
Diap. reighardi (m)	23.100	0.000	11.550	16.334
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	112.400	56.200	84.300	39.739
Daph. galeata (ad)	86.300	345.400	215.850	183.211
Daph. galeata (juv)	14.100	56.200	35.150	29.769
Daph. pulex (ad)	73.300	293.200	183.250	155.492
Daph. pulex (juv)	27.100	108.400	67.750	57.487
Daph. eggs	9.600	38.300	23.950	20.293
Bos. longirostris	200.800	0.000	100.400	141.987
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	602.400	401.600	502.000	141.987
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	4216.800	4317.200	4267.000	70.993

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW05
DATE 08/26/87 TIME 1145

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	753.000	2215.000	1484.000	1033.790
Cyc. copepodites	401.600	647.900	524.750	174.160
Meso. copepodites	0.000	105.500	52.750	74.599
Diap. copepodites	351.400	949.300	650.350	422.779
Cyc. bicuspidatus (f)	100.400	346.600	223.500	174.089
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	35.600	17.800	25.173
Meso. edax (m)	0.000	14.600	7.300	10.323
Diap. ashlandi (f)	146.600	128.100	137.350	13.081
Diap. ashlandi (m)	54.200	128.100	91.150	52.255
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	10.000	39.700	24.850	21.001
Calanoid eggs	158.600	202.400	180.500	30.971
Daph. galeata (ad)	0.000	149.000	74.500	105.358
Daph. galeata (juv)	0.000	197.600	98.800	139.724
Daph. pulex (ad)	135.500	105.800	120.650	21.001
Daph. pulex (juv)	115.500	90.100	102.800	17.960
Daph. eggs	36.600	68.800	52.700	22.768
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	50.200	25.100	35.496
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	50.200	50.200	50.200	0.000
TOTAL ZOOPLANKTON	2108.400	5213.600	3661.000	2195.707

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW05
DATE 08/26/87 TIME 1145

DEPTH 40-75 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	210.800	155.000	182.900	39.456
Cyc. copepodites	36.600	38.700	37.650	1.484
Meso. copepodites	4.300	4.300	4.300	0.000
Diap. copepodites	36.600	23.700	30.150	9.121
Cyc. bicuspidatus (f)	21.900	14.600	18.250	5.161
Cyc. bicuspidatus (m)	3.900	2.600	3.250	0.919
Meso. edax (f)	6.500	4.300	5.400	1.555
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	16.800	9.300	13.050	5.303
Diap. ashlandi (m)	19.800	7.900	13.850	8.414
Diap. reighardi (f)	4.300	2.100	3.200	1.555
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	2.200	2.100	2.150	0.070
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	38.100	25.400	31.750	8.980
Calanoid eggs	9.500	4.700	7.100	3.394
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	10.800	6.400	8.600	3.111
Daph. pulex (ad)	8.600	3.200	5.900	3.818
Daph. pulex (juv)	8.600	3.200	5.900	3.818
Daph. eggs	4.300	3.200	3.750	0.777
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	4.300	10.700	7.500	4.525
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	4.300	2.150	3.040
TOTAL ZOOPLANKTON	396.000	292.400	344.200	73.256

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW05
DATE 08/26/87 TIME 1145

DEPTH 75-90 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	286.100	296.200	291.150	7.141
Cyc. copepodites	50.200	45.200	47.700	3.535
Meso. copepodites	5.000	5.000	5.000	0.000
Diap. copepodites	45.200	35.100	40.150	7.141
Cyc. bicuspidatus (f)	25.600	29.800	27.700	2.969
Cyc. bicuspidatus (m)	4.500	5.300	4.900	0.565
Meso. edax (f)	5.000	10.000	7.500	3.535
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	5.400	21.700	13.550	11.525
Diap. ashlandi (m)	4.600	18.500	11.550	9.828
Diap. reighardi (f)	0.000	5.000	2.500	3.535
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	5.000	0.000	2.500	3.535
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	10.000	0.000	5.000	7.071
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	50.000	90.400	70.200	28.567
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	10.000	5.000	7.071
Daph. pulex (ad)	7.500	5.000	6.250	1.767
Daph. pulex (juv)	7.600	5.000	6.300	1.838
Daph. eggs	3.700	2.500	3.100	0.848
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	10.000	25.100	17.550	10.677
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	471.700	516.900	494.300	31.961

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW06
DATE 08/26/87 TIME 1400

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	6224.800	5120.400	5672.600	780.928
Cyc. copepodites	100.400	100.400	100.400	0.000
Meso. copepodites	200.800	401.600	301.200	141.987
Diap. copepodites	803.200	1004.000	903.600	141.987
Cyc. bicuspidatus (f)	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	225.900	150.600	188.250	53.245
Meso. edax (m)	75.300	50.200	62.750	17.748
Diap. ashlandi (f)	297.200	222.900	260.050	52.538
Diap. ashlandi (m)	104.400	78.300	91.350	18.455
Diap. reighardi (f)	0.000	77.300	38.650	54.659
Diap. reighardi (m)	0.000	23.100	11.550	16.334
Diap. siciloides (f)	524.100	87.300	305.700	308.864
Diap. siciloides (m)	78.300	13.100	45.700	46.103
Misc. Copepods (f)	77.300	77.300	77.300	0.000
Misc. Copepods (m)	23.100	23.100	23.100	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	1314.200	716.900	1015.550	422.354
Daph. galeata (ad)	297.200	334.300	315.750	26.233
Daph. galeata (juv)	506.000	569.300	537.650	44.759
Daph. pulex (ad)	267.100	228.900	248.000	27.011
Daph. pulex (juv)	435.700	373.500	404.600	43.982
Daph. eggs	338.600	337.900	338.250	0.494
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	401.600	0.000	200.800	283.974
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	10642.400	8935.600	9789.000	1206.889

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW06
DATE 08/26/87 TIME 1400

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	903.000	1807.200	1355.100	639.365
Cyc. copepodites	200.800	0.000	100.400	141.987
Meso. copepodites	0.000	100.400	50.200	70.993
Diap. copepodites	401.600	100.400	251.000	212.980
Cyc. bicuspidatus (f)	75.300	75.300	75.300	0.000
Cyc. bicuspidatus (m)	25.100	25.100	25.100	0.000
Meso. edax (f)	74.200	74.200	74.200	0.000
Meso. edax (m)	26.200	26.200	26.200	0.000
Diap. ashlandi (f)	95.400	0.000	47.700	67.457
Diap. ashlandi (m)	4.600	0.000	2.300	3.252
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	317.300	317.300	317.300	0.000
Calanoid eggs	179.000	0.000	89.500	126.572
Daph. galeata (ad)	111.400	74.300	92.850	26.233
Daph. galeata (juv)	189.600	126.500	158.050	44.618
Daph. pulex (ad)	228.900	76.300	152.600	107.904
Daph. pulex (juv)	373.500	124.500	249.000	176.069
Daph. eggs	204.200	90.400	147.300	80.468
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	2709.600	2610.400	2660.000	70.144

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW06
DATE 08/26/87 TIME 1400

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	293.700	244.700	269.200	34.648
Cyc. copepodites	33.900	37.700	35.800	2.687
Meso. copepodites	3.800	18.800	11.300	10.606
Diap. copepodites	7.500	11.300	9.400	2.687
Cyc. bicuspidatus (f)	42.400	50.800	46.600	5.939
Cyc. bicuspidatus (m)	14.100	16.800	15.450	1.909
Meso. edax (f)	8.400	13.900	11.150	3.889
Meso. edax (m)	2.900	4.900	3.900	1.414
Diap. ashlandi (f)	10.700	14.300	12.500	2.545
Diap. ashlandi (m)	0.600	0.800	0.700	0.141
Diap. reighardi (f)	2.900	0.000	1.450	2.050
Diap. reighardi (m)	0.900	0.000	0.450	0.636
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	3.800	11.300	7.550	5.303
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	30.100	30.100	30.100	0.000
Daph. pulex (ad)	30.200	8.200	19.200	15.556
Daph. pulex (juv)	11.200	3.100	7.150	5.727
Daph. eggs	11.200	3.000	7.100	5.798
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	3.800	3.800	3.800	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	3.800	1.900	2.850	1.343
TOTAL ZOOPLANKTON	504.700	472.400	488.550	22.839

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW06
DATE 08/26/87 TIME 1400

DEPTH 40-75 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	1032.700	1090.100	1061.400	40.587
Cyc. copepodites	86.100	57.400	71.750	20.293
Meso. copepodites	28.700	0.000	14.350	20.293
Diap. copepodites	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (f)	0.000	21.500	10.750	15.202
Cyc. bicuspidatus (m)	0.000	64.600	32.300	45.679
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	0.000	0.000	0.000	0.000
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	75.800	37.900	53.598
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	28.700	0.000	14.350	20.293
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	14.300	0.000	7.150	10.111
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	1176.200	1233.600	1204.900	40.587

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 09/21/87 TIME 1025

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	3815.200	5020.000	4417.600	851.922
Cyc. copepodites	2510.000	4618.400	3564.200	1490.863
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	0.000	301.200	150.600	212.980
Cyc. bicuspidatus (f)	401.600	301.200	351.400	70.993
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	100.400	0.000	50.200	70.993
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	150.600	301.200	225.900	106.490
Diap. ashlandi (m)	50.200	100.400	75.300	35.496
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	100.400	50.200	70.993
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	234.900	469.900	352.400	166.170
Daph. galeata (ad)	251.000	150.600	200.800	70.993
Daph. galeata (juv)	251.000	150.600	200.800	70.993
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	100.400	100.400	100.400	0.000
Daph. eggs	627.500	376.500	502.000	177.483
Bos. longirostris	3514.000	3915.600	3714.800	283.974
Bosmina eggs	632.500	704.800	668.650	51.123
Misc. Cladocera	502.000	100.400	301.200	283.974
Polyarthra spp.	803.200	200.800	502.000	425.961
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	401.600	200.800	301.200	141.987
TOTAL ZOOPLANKTON	12851.200	15562.000	14206.600	1916.825

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 09/21/87 TIME 1025

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	3815.200	2911.600	3363.400	638.941
Cyc. copepodites	1506.000	1506.000	1506.000	0.000
Meso. copepodites	0.000	100.400	50.200	70.993
Diap. copepodites	200.800	401.600	301.200	141.987
Cyc. bicuspidatus (f)	82.300	329.300	205.800	174.655
Cyc. bicuspidatus (m)	18.100	72.300	45.200	38.325
Meso. edax (f)	0.000	30.100	15.050	21.283
Meso. edax (m)	0.000	70.300	35.150	49.709
Diap. ashlandi (f)	183.700	245.000	214.350	43.345
Diap. ashlandi (m)	117.500	156.600	137.050	27.647
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	100.400	0.000	50.200	70.993
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	883.500	883.500	883.500	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	100.400	200.800	150.600	70.993
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	301.200	602.400	451.800	212.980
Bosmina eggs	87.300	174.700	131.000	61.801
Misc. Cladocera	200.800	502.000	351.400	212.980
Polyarthra spp.	200.800	0.000	100.400	141.987
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	502.000	100.400	301.200	283.974
TOTAL ZOOPLANKTON	7329.200	7228.800	7279.000	70.993

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 09/21/87 TIME 1025

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	2710.800	2510.000	2610.400	141.987
Cyc. copepodites	552.200	552.200	552.200	0.000
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	301.200	301.200	301.200	0.000
Cyc. bicuspidatus (f)	74.300	37.100	55.700	26.304
Cyc. bicuspidatus (m)	26.100	13.100	19.600	9.192
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	116.000	270.600	193.300	109.318
Diap. ashlandi (m)	34.600	80.800	57.700	32.668
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	100.400	0.000	50.200	70.993
Cyclopoid eggs	94.400	47.200	70.800	33.375
Calanoid eggs	30.100	70.300	50.200	28.425
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	50.200	50.200	50.200	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	100.400	150.600	125.500	35.496
Bosmina eggs	29.100	43.700	36.400	10.323
Misc. Cladocera	50.200	0.000	25.100	35.496
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	4116.400	3965.800	4041.100	106.490

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 09/21/87 TIME 1025

DEPTH 40-75 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	352.800	363.600	358.200	7.636
Cyc. copepodites	58.100	66.700	62.400	6.081
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	21.500	12.900	17.200	6.081
Cyc. bicuspidatus (f)	4.300	17.200	10.750	9.121
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	2.800	5.700	4.250	2.050
Diap. ashlandi (m)	1.500	2.900	2.200	0.989
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	2.200	0.000	1.100	1.555
Cyclopoid eggs	4.300	8.600	6.450	3.040
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	2.200	2.200	2.200	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	6.500	6.500	6.500	0.000
Bosmina eggs	6.500	6.500	6.500	0.000
Misc. Cladocera	0.000	4.300	2.150	3.040
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	2.200	1.100	1.555
Misc. Rotifers	2.200	8.600	5.400	4.525
TOTAL ZOOPLANKTON	454.100	492.800	473.450	27.365

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 09/21/87 TIME 1025

DEPTH 75-100 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	247.100	120.500	183.800	89.519
Cyc. copepodites	48.200	51.200	49.700	2.121
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	6.000	6.000	6.000	0.000
Cyc. bicuspidatus (f)	12.100	7.200	9.650	3.464
Cyc. bicuspidatus (m)	3.700	1.800	2.750	1.343
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	2.000	0.000	1.000	1.414
Diap. ashlandi (m)	1.000	0.000	0.500	0.707
Diap. reighardi (f)	0.000	3.000	1.500	2.121
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	3.000	0.000	1.500	2.121
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	1.500	6.000	3.750	3.181
Bosmina eggs	1.500	6.000	3.750	3.181
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	3.000	1.500	2.121
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	3.000	0.000	1.500	2.121
Collotheca spp.	3.000	6.000	4.500	2.121
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	330.600	204.700	267.650	89.024

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 09/21/87 TIME 1200

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	3313.200	4718.800	4016.000	993.909
Cyc. copepodites	1907.600	2108.400	2008.000	141.987
Meso. copepodites	100.400	100.400	100.400	0.000
Diap. copepodites	502.000	502.000	502.000	0.000
Cyc. bicuspidatus (f)	100.400	301.200	200.800	141.987
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	96.400	0.000	48.200	68.165
Meso. edax (m)	204.800	0.000	102.400	144.815
Diap. ashlandi (f)	120.500	180.700	150.600	42.567
Diap. ashlandi (m)	80.300	120.500	100.400	28.425
Diap. reighardi (f)	114.500	57.300	85.900	40.446
Diap. reighardi (m)	86.300	43.100	64.700	30.547
Diap. siciloides (f)	100.400	0.000	50.200	70.993
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	90.400	0.000	45.200	63.922
Misc. Copepods (m)	10.000	0.000	5.000	7.071
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	668.700	445.800	557.250	157.614
Daph. galeata (ad)	351.400	753.000	552.200	283.974
Daph. galeata (juv)	351.400	753.000	552.200	283.974
Daph. pulex (ad)	0.000	100.400	50.200	70.993
Daph. pulex (juv)	0.000	100.400	50.200	70.993
Daph. eggs	94.900	230.400	162.650	95.812
Bos. longirostris	1807.200	502.000	1154.600	922.915
Bosmina eggs	1554.200	431.700	992.950	793.727
Misc. Cladocera	200.800	100.400	150.600	70.993
Polyarthra spp.	200.800	200.800	200.800	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Ascomorpha spp.	200.800	100.400	150.600	70.993
Misc. Rotifers	0.000	200.800	100.400	141.987
TOTAL ZOOPLANKTON	9939.600	10943.600	10441.600	709.935

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 09/21/87 TIME 1200

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	3212.800	3224.600	3218.700	8.343
Cyc. copepodites	1204.800	813.700	1009.250	276.549
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	702.800	391.800	547.300	219.910
Cyc. bicuspidatus (f)	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	36.200	38.000	37.100	1.272
Meso. edax (m)	164.600	172.900	168.750	5.868
Diap. ashlandi (f)	225.900	158.200	192.050	47.871
Diap. ashlandi (m)	75.300	52.700	64.000	15.980
Diap. reighardi (f)	0.000	90.400	45.200	63.922
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	122.500	128.600	125.550	4.313
Calanoid eggs	207.800	207.500	207.650	0.212
Daph. galeata (ad)	213.800	0.000	106.900	151.179
Daph. galeata (juv)	87.300	0.000	43.650	61.730
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	19.200	0.000	9.600	13.576
Bos. longirostris	401.600	0.000	200.800	283.974
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	301.200	90.400	195.800	149.058
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	6626.300	5032.700	5829.500	1126.845

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 09/21/87 TIME 1200

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	1155.200	301.400	728.300	603.727
Cyc. copepodites	652.600	527.400	590.000	88.529
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	200.800	45.200	123.000	110.025
Cyc. bicuspidatus (f)	230.900	485.200	358.050	179.817
Cyc. bicuspidatus (m)	20.100	42.200	31.150	15.627
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	0.000	0.000	0.000	0.000
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	50.200	0.000	25.100	35.496
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	32.100	16.050	22.698
Daph. pulex (juv)	0.000	13.100	6.550	9.263
Daph. eggs	4.500	2.900	3.700	1.131
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	2309.800	1446.600	1878.200	610.374

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 09/21/87 TIME 1200

DEPTH 40-75 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	94.700	101.100	97.900	4.525
Cyc. copepodites	49.500	34.400	41.950	10.677
Meso. copepodites	2.200	2.200	2.200	0.000
Diap. copepodites	15.100	4.300	9.700	7.636
Cyc. bicuspidatus (f)	16.500	14.600	15.550	1.343
Cyc. bicuspidatus (m)	2.900	2.600	2.750	0.212
Meso. edax (f)	1.100	2.100	1.600	0.707
Meso. edax (m)	1.100	2.200	1.650	0.777
Diap. ashlandi (f)	6.900	12.100	9.500	3.676
Diap. ashlandi (m)	1.700	3.000	2.350	0.919
Diap. reighardi (f)	2.200	0.000	1.100	1.555
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	2.200	1.100	1.555
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.900	1.400	1.150	0.353
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	4.300	2.100	3.200	1.555
Daph. galeata (juv)	4.300	2.200	3.250	1.484
Daph. pulex (ad)	1.100	0.000	0.550	0.777
Daph. pulex (juv)	1.100	0.000	0.550	0.777
Daph. eggs	2.100	1.000	1.550	0.777
Bos. longirostris	4.300	2.200	3.250	1.484
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	6.500	4.300	5.400	1.555
TOTAL ZOOPLANKTON	215.500	191.600	203.550	16.899

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 09/21/87 TIME 1200

DEPTH 75-100 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	88.400	88.400	88.400	0.000
Cyc. copepodites	401.800	401.800	401.800	0.000
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	120.500	120.500	120.500	0.000
Cyc. bicuspidatus (f)	40.200	40.200	40.200	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	40.200	40.200	40.200	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	120.500	120.500	120.500	0.000
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	10.000	10.000	10.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	10.000	10.000	10.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	831.600	831.600	831.600	0.000

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 09/21/87 TIME 1655

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	4216.800	3112.400	3664.600	780.928
Cyc. copepodites	1807.200	1907.600	1857.400	70.993
Meso. copepodites	301.200	100.400	200.800	141.987
Diap. copepodites	1606.400	1405.600	1506.000	141.987
Cyc. bicuspidatus (f)	0.000	301.200	150.600	212.980
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	690.300	277.100	483.700	292.176
Meso. edax (m)	310.100	124.500	217.300	131.239
Diap. ashlandi (f)	89.400	625.500	357.450	379.079
Diap. ashlandi (m)	11.000	77.300	44.150	46.881
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	62.200	0.000	31.100	43.982
Diap. siciloides (m)	38.200	0.000	19.100	27.011
Misc. Copepods (f)	78.300	78.300	78.300	0.000
Misc. Copepods (m)	22.100	22.100	22.100	0.000
Cyclopoid eggs	420.200	168.700	294.450	177.837
Calanoid eggs	244.000	650.600	447.300	287.509
Daph. galeata (ad)	75.300	75.300	75.300	0.000
Daph. galeata (juv)	25.100	25.100	25.100	0.000
Daph. pulex (ad)	931.700	698.800	815.250	164.685
Daph. pulex (juv)	674.700	506.000	590.350	119.288
Daph. eggs	201.400	154.800	178.100	32.951
Bos. longirostris	702.800	702.800	702.800	0.000
Bosmina eggs	112.400	112.400	112.400	0.000
Misc. Cladocera	100.400	0.000	50.200	70.993
Polyarthra spp.	1104.400	702.800	903.600	283.974
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	12847.600	10742.800	11795.200	1488.318

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 09/21/87 TIME 1655

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	1706.800	1405.600	1556.200	212.980
Cyc. copepodites	602.400	602.400	602.400	0.000
Meso. copepodites	100.400	0.000	50.200	70.993
Diap. copepodites	301.200	502.000	401.600	141.987
Cyc. bicuspidatus (f)	0.000	70.300	35.150	49.709
Cyc. bicuspidatus (m)	0.000	30.100	15.050	21.283
Meso. edax (f)	88.400	44.200	66.300	31.254
Meso. edax (m)	112.400	56.200	84.300	39.739
Diap. ashlandi (f)	186.700	62.200	124.450	88.034
Diap. ashlandi (m)	114.500	38.200	76.350	53.952
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	52.200	52.200	52.200	0.000
Calanoid eggs	159.600	53.200	106.400	75.236
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	401.600	602.400	502.000	141.987
Bosmina eggs	64.300	96.400	80.350	22.698
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	100.400	50.200	70.993
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	3614.400	3514.000	3564.200	70.993

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 09/21/87 TIME 1655

DEPTH 20-30 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	903.600	1004.000	953.800	70.993
Cyc. copepodites	502.000	301.200	401.600	141.987
Meso. copepodites	100.400	0.000	50.200	70.993
Diap. copepodites	401.600	301.200	351.400	70.993
Cyc. bicuspidatus (f)	70.300	210.800	140.550	99.348
Cyc. bicuspidatus (m)	30.100	90.400	60.250	42.638
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	78.300	78.300	78.300	0.000
Diap. ashlandi (m)	22.100	22.100	22.100	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	100.400	0.000	50.200	70.993
Misc. Copepods (f)	0.000	100.400	50.200	70.993
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	55.200	165.700	110.450	78.135
Calanoid eggs	295.200	147.600	221.400	104.368
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	100.400	0.000	50.200	70.993
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	100.400	0.000	50.200	70.993
Bosmina eggs	29.100	0.000	14.550	20.576
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	200.800	100.400	150.600	70.993
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	100.400	0.000	50.200	70.993
TOTAL ZOOPLANKTON	2710.800	2208.800	2459.800	354.967

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 09/21/87 TIME 1655

DEPTH 30-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	376.500	369.000	372.750	5.303
Cyc. copepodites	60.200	90.400	75.300	21.354
Meso. copepodites	7.500	0.000	3.750	5.303
Diap. copepodites	22.600	15.100	18.850	5.303
Cyc. bicuspidatus (f)	30.100	30.100	30.100	0.000
Cyc. bicuspidatus (m)	30.100	30.100	30.100	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	34.700	20.800	27.750	9.828
Diap. ashlandi (m)	3.000	1.800	2.400	0.848
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	15.100	7.550	10.677
Polyarthra spp.	7.500	7.500	7.500	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	7.500	22.600	15.050	10.677
TOTAL ZOOPLANKTON	579.700	602.500	591.100	16.122

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 09/21/87 TIME 1655

DEPTH 40-50 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	241.000	278.600	259.800	26.587
Cyc. copepodites	52.700	22.600	37.650	21.283
Meso. copepodites	0.000	7.500	3.750	5.303
Diap. copepodites	15.100	7.500	11.300	5.374
Cyc. bicuspidatus (f)	18.900	11.300	15.100	5.374
Cyc. bicuspidatus (m)	18.800	11.300	15.050	5.303
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	15.100	15.100	15.100	0.000
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	7.500	0.000	3.750	5.303
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	7.500	3.750	5.303
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	7.500	3.750	5.303
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	7.500	37.500	22.500	21.213
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	7.500	3.750	5.303
TOTAL ZOOPLANKTON	376.600	413.900	395.250	26.375

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 09/21/87 TIME 1655

DEPTH 50-75 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	42.200	39.200	40.700	2.121
Cyc. copepodites	15.100	9.000	12.050	4.313
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (f)	6.000	3.000	4.500	2.121
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	17.500	2.500	10.000	10.606
Diap. ashlandi (m)	3.600	0.500	2.050	2.192
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	3.000	0.000	1.500	2.121
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	6.000	3.000	4.242
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	3.000	0.000	1.500	2.121
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	3.000	0.000	1.500	2.121
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	3.000	0.000	1.500	2.121
TOTAL ZOOPLANKTON	96.400	60.200	78.300	25.597

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 09/21/87 TIME 1655

DEPTH 75-100 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	123.600	126.600	125.100	2.121
Cyc. copepodites	30.100	9.000	19.550	14.919
Meso. copepodites	0.000	3.000	1.500	2.121
Diap. copepodites	3.000	6.000	4.500	2.121
Cyc. bicuspidatus (f)	21.100	0.000	10.550	14.919
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	3.000	3.000	3.000	0.000
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	3.000	0.000	1.500	2.121
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	1.500	0.750	1.060
Polyarthra spp.	6.000	6.000	6.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	189.800	155.100	172.450	24.536

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW04
DATE 09/21/87 TIME 1515

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	4819.200	3614.400	4216.800	851.922
Cyc. copepodites	401.600	1104.400	753.000	496.954
Meso. copepodites	401.600	903.600	652.600	354.967
Diap. copepodites	1807.200	1706.800	1757.000	70.993
Cyc. bicuspidatus (f)	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	460.000	415.600	437.800	31.395
Meso. edax (m)	544.000	488.000	516.000	39.597
Diap. ashlandi (f)	626.500	861.400	743.950	166.099
Diap. ashlandi (m)	176.700	243.000	209.850	46.881
Diap. reighardi (f)	130.500	130.500	130.500	0.000
Diap. reighardi (m)	70.300	70.300	70.300	0.000
Diap. siciloides (f)	67.300	134.500	100.900	47.517
Diap. siciloides (m)	33.100	66.300	49.700	23.475
Misc. Copepods (f)	0.000	67.300	33.650	47.588
Misc. Copepods (m)	0.000	33.100	16.550	23.405
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	1005.000	1461.800	1233.400	323.006
Daph. galeata (ad)	586.300	659.600	622.950	51.830
Daph. galeata (juv)	216.900	244.000	230.450	19.162
Daph. pulex (ad)	1108.400	1293.100	1200.750	130.602
Daph. pulex (juv)	1301.200	1518.100	1409.650	153.371
Daph. eggs	84.700	97.600	91.150	9.121
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	301.200	200.800	251.000	70.993
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	100.400	50.200	70.993
TOTAL ZOOPLANKTON	13052.000	13855.200	13453.600	567.948

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW04
DATE 09/21/87 TIME 1515

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	331.300	429.200	380.250	69.225
Cyc. copepodites	60.200	105.400	82.800	31.961
Meso. copepodites	45.200	45.200	45.200	0.000
Diap. copepodites	52.700	82.800	67.750	21.283
Cyc. bicuspidatus (f)	37.700	7.500	22.600	21.354
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	19.600	53.800	36.700	24.183
Meso. edax (m)	10.500	29.000	19.750	13.081
Diap. ashlandi (f)	15.100	37.700	26.400	15.980
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	7.500	3.750	5.303
Diap. reighardi (m)	0.000	15.100	7.550	10.677
Diap. siciloides (f)	0.000	6.000	3.000	4.242
Diap. siciloides (m)	0.000	1.500	0.750	1.060
Misc. Copepods (f)	9.100	4.500	6.800	3.252
Misc. Copepods (m)	4.000	3.000	3.500	0.707
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	5.600	15.100	10.350	6.717
Daph. galeata (ad)	5.500	16.500	11.000	7.778
Daph. galeata (juv)	2.000	6.100	4.050	2.899
Daph. pulex (ad)	45.000	20.800	32.900	17.111
Daph. pulex (juv)	52.900	24.400	38.650	20.152
Daph. eggs	2.500	1.900	2.200	0.424
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	15.100	0.000	7.550	10.677
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	705.900	896.000	800.950	134.420

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW04
DATE 09/21/87 TIME 1515

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	79.100	120.500	99.800	29.274
Cyc. copepodites	18.800	7.500	13.150	7.990
Meso. copepodites	7.500	22.600	15.050	10.677
Diap. copepodites	7.500	7.500	7.500	0.000
Cyc. bicuspidatus (f)	7.500	15.100	11.300	5.374
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	7.500	11.300	9.400	2.687
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	3.800	0.000	1.900	2.687
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	3.800	1.900	2.687
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	7.500	3.750	5.303
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	4.300	8.600	6.450	3.040
Misc. Copepods (m)	3.200	6.500	4.850	2.333
Cyclopoid eggs	6.700	11.900	9.300	3.676
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	15.100	26.400	20.750	7.990
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	3.800	1.900	2.687
Misc. Rotifers	3.800	3.800	3.800	0.000
TOTAL ZOOPLANKTON	158.100	244.900	201.500	61.376

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW04
DATE 09/21/87 TIME 1515

DEPTH 40-60 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	128.000	150.600	139.300	15.980
Cyc. copepodites	7.500	11.300	9.400	2.687
Meso. copepodites	3.800	0.000	1.900	2.687
Diap. copepodites	0.000	3.800	1.900	2.687
Cyc. bicuspidatus (f)	3.800	7.500	5.650	2.616
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	7.500	3.800	5.650	2.616
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	7.500	11.300	9.400	2.687
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	3.800	0.000	1.900	2.687
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	7.500	3.750	5.303
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	7.500	3.800	5.650	2.616
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	169.400	199.600	184.500	21.354

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW05
DATE 09/22/87 TIME 1150

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	7831.200	7931.600	7881.400	70.993
Cyc. copepodites	502.000	803.200	652.600	212.980
Meso. copepodites	1004.000	1204.800	1104.400	141.987
Diap. copepodites	2409.600	2710.800	2560.200	212.980
Cyc. bicuspidatus (f)	0.000	401.600	200.800	283.974
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	578.300	449.800	514.050	90.863
Meso. edax (m)	325.300	253.000	289.150	51.123
Diap. ashlandi (f)	1084.300	1897.600	1490.950	575.089
Diap. ashlandi (m)	120.500	210.800	165.650	63.851
Diap. reighardi (f)	80.300	80.300	80.300	0.000
Diap. reighardi (m)	20.100	20.100	20.100	0.000
Diap. siciloides (f)	302.700	129.500	216.100	122.470
Diap. siciloides (m)	400.600	171.700	286.150	161.856
Misc. Copepods (f)	75.300	0.000	37.650	53.245
Misc. Copepods (m)	25.100	0.000	12.550	17.748
Cyclopoid eggs	198.800	243.000	220.900	31.254
Calanoid eggs	2930.300	3488.900	3209.600	394.989
Daph. galeata (ad)	770.100	355.400	562.750	293.237
Daph. galeata (juv)	535.100	247.000	391.050	203.717
Daph. pulex (ad)	0.000	134.500	67.250	95.105
Daph. pulex (juv)	0.000	66.300	33.150	46.881
Daph. eggs	362.000	230.200	296.100	93.196
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	200.800	0.000	100.400	141.987
Polyarthra spp.	1104.400	502.000	803.200	425.961
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	17369.700	17570.000	17469.850	141.633

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW05
DATE 09/22/87 TIME 1150

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	1907.600	1305.200	1606.400	425.961
Cyc. copepodites	200.800	301.200	251.000	70.993
Meso. copepodites	0.000	301.200	150.600	212.980
Diap. copepodites	502.000	602.400	552.200	70.993
Cyc. bicuspidatus (f)	87.300	0.000	43.650	61.730
Cyc. bicuspidatus (m)	13.100	0.000	6.550	9.263
Meso. edax (f)	88.300	44.200	66.250	31.183
Meso. edax (m)	112.500	56.200	84.350	39.810
Diap. ashlandi (f)	182.700	274.100	228.400	64.629
Diap. ashlandi (m)	18.100	27.100	22.600	6.363
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	134.500	0.000	67.250	95.105
Diap. siciloides (m)	66.300	0.000	33.150	46.881
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	141.600	47.200	94.400	66.750
Calanoid eggs	208.800	156.600	182.700	36.910
Daph. galeata (ad)	177.700	0.000	88.850	125.652
Daph. galeata (juv)	123.500	0.000	61.750	87.327
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	83.500	0.000	41.750	59.043
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	100.400	50.200	70.993
Polyarthra spp.	0.000	301.200	150.600	212.980
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	3614.400	3313.200	3463.800	212.980

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW05
DATE 09/22/87 TIME 1150

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	391.600	508.300	449.950	82.519
Cyc. copepodites	41.400	52.700	47.050	7.990
Meso. copepodites	11.300	3.800	7.550	5.303
Diap. copepodites	101.700	75.300	88.500	18.667
Cyc. bicuspidatus (f)	64.900	58.600	61.750	4.454
Cyc. bicuspidatus (m)	14.200	12.900	13.550	0.919
Meso. edax (f)	1.900	1.900	1.900	0.000
Meso. edax (m)	5.600	5.600	5.600	0.000
Diap. ashlandi (f)	23.200	43.500	33.350	14.354
Diap. ashlandi (m)	6.900	13.000	9.950	4.313
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	3.800	1.900	2.687
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	3.800	0.000	1.900	2.687
Cyclopoid eggs	93.500	85.300	89.400	5.798
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	11.300	7.500	9.400	2.687
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	3.800	3.800	3.800	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	681.600	790.700	736.150	77.145

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW05
DATE 09/22/87 TIME 1150

DEPTH 40-75 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	296.900	215.300	256.100	57.699
Cyc. copepodites	36.600	17.200	26.900	13.717
Meso. copepodites	2.200	2.200	2.200	0.000
Diap. copepodites	4.300	12.900	8.600	6.081
Cyc. bicuspidatus (f)	15.900	7.200	11.550	6.151
Cyc. bicuspidatus (m)	7.800	3.500	5.650	3.040
Meso. edax (f)	0.000	4.300	2.150	3.040
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	14.000	6.000	10.000	5.656
Diap. ashlandi (m)	1.100	0.500	0.800	0.424
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	2.200	2.200	2.200	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	15.100	7.600	11.350	5.303
Daph. galeata (ad)	6.500	2.200	4.350	3.040
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	2.200	0.000	1.100	1.555
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	2.200	2.200	2.200	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	391.900	275.700	333.800	82.165

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW05
DATE 09/22/87 TIME 1150

DEPTH 75-90 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	2210.000	1145.200	1677.600	752.927
Cyc. copepodites	535.500	401.000	468.250	95.105
Meso. copepodites	66.900	0.000	33.450	47.305
Diap. copepodites	468.500	60.300	264.400	288.640
Cyc. bicuspidatus (f)	43.500	39.200	41.350	3.040
Cyc. bicuspidatus (m)	23.400	21.100	22.250	1.626
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	97.700	146.700	122.200	34.648
Diap. ashlandi (m)	36.200	54.200	45.200	12.727
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	49.500	44.500	47.000	3.535
Calanoid eggs	41.500	62.300	51.900	14.707
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	3481.700	1867.700	2674.700	1141.270

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW06
DATE 09/22/87 TIME 1500

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	8132.400	9036.000	8584.200	638.941
Cyc. copepodites	200.800	301.200	251.000	70.993
Meso. copepodites	1405.600	1204.800	1305.200	141.987
Diap. copepodites	2409.600	3012.000	2710.800	425.961
Cyc. bicuspidatus (f)	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	204.800	68.300	136.550	96.520
Meso. edax (m)	96.400	32.100	64.250	45.466
Diap. ashlandi (f)	698.800	960.800	829.800	185.261
Diap. ashlandi (m)	104.400	143.600	124.000	27.718
Diap. reighardi (f)	67.300	0.000	33.650	47.588
Diap. reighardi (m)	33.100	0.000	16.550	23.405
Diap. siciloides (f)	220.900	441.800	331.350	156.199
Diap. siciloides (m)	180.700	361.400	271.050	127.774
Misc. Copepods (f)	50.200	100.400	75.300	35.496
Misc. Copepods (m)	50.200	100.400	75.300	35.496
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	927.700	1213.300	1070.500	201.949
Daph. galeata (ad)	168.700	147.600	158.150	14.919
Daph. galeata (juv)	634.500	555.200	594.850	56.073
Daph. pulex (ad)	487.900	487.900	487.900	0.000
Daph. pulex (juv)	415.700	415.700	415.700	0.000
Daph. eggs	131.300	127.100	129.200	2.969
Bos. longirostris	0.000	100.400	50.200	70.993
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	502.000	502.000	502.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	16064.000	17971.600	17017.800	1348.876

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW06
DATE 09/22/87 TIME 1500

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	1807.200	2108.400	1957.800	212.980
Cyc. copepodites	0.000	100.400	50.200	70.993
Meso. copepodites	200.800	200.800	200.800	0.000
Diap. copepodites	502.000	602.400	552.200	70.993
Cyc. bicuspidatus (f)	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	100.400	100.400	100.400	0.000
Meso. edax (m)	100.400	100.400	100.400	0.000
Diap. ashlandi (f)	174.700	174.700	174.700	0.000
Diap. ashlandi (m)	26.100	26.100	26.100	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	114.500	0.000	57.250	80.963
Diap. siciloides (m)	86.300	0.000	43.150	61.023
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	556.200	556.200	556.200	0.000
Calanoid eggs	72.300	36.100	54.200	25.597
Daph. galeata (ad)	0.000	63.200	31.600	44.689
Daph. galeata (juv)	0.000	237.900	118.950	168.220
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	12.600	6.300	8.909
Bos. longirostris	100.400	0.000	50.200	70.993
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	200.800	100.400	141.987
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	3212.800	3915.500	3564.150	496.883

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW06
DATE 09/22/87 TIME 1500

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	451.800	552.200	502.000	70.993
Cyc. copepodites	150.600	100.400	125.500	35.496
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	0.000	50.200	25.100	35.496
Cyc. bicuspidatus (f)	71.300	71.300	71.300	0.000
Cyc. bicuspidatus (m)	29.100	29.100	29.100	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	42.700	128.000	85.350	60.316
Diap. ashlandi (m)	7.500	22.600	15.050	10.677
Diap. reighardi (f)	50.200	50.200	50.200	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	175.700	175.700	175.700	0.000
Calanoid eggs	128.500	257.000	192.750	90.863
Daph. galeata (ad)	29.600	29.600	29.600	0.000
Daph. galeata (juv)	20.600	20.600	20.600	0.000
Daph. pulex (ad)	0.000	48.200	24.100	34.082
Daph. pulex (juv)	0.000	52.200	26.100	36.910
Daph. eggs	1.500	3.900	2.700	1.697
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	853.400	1154.600	1004.000	212.980

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW06
DATE 09/22/87 TIME 1500

DEPTH 40-75 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	694.900	460.600	577.750	165.675
Cyc. copepodites	83.900	62.400	73.150	15.202
Meso. copepodites	4.300	4.300	4.300	0.000
Diap. copepodites	10.800	4.300	7.550	4.596
Cyc. bicuspidatus (f)	7.900	12.600	10.250	3.323
Cyc. bicuspidatus (m)	2.900	4.600	3.750	1.202
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	4.300	2.100	3.200	1.555
Diap. ashlandi (f)	4.300	0.000	2.150	3.040
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	2.200	2.200	2.200	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	6.500	6.500	6.500	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	33.700	43.000	38.350	6.576
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	5.400	1.000	3.200	3.111
Daph. galeata (juv)	5.400	1.100	3.250	3.040
Daph. pulex (ad)	5.800	2.900	4.350	2.050
Daph. pulex (juv)	2.800	1.400	2.100	0.989
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	2.200	0.000	1.100	1.555
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	4.200	2.100	2.969
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	843.600	570.200	706.900	193.322

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 11/23/87 TIME 1530

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	4983.800	2610.600	3797.200	1678.105
Cyc. copepodites	1695.200	1118.800	1407.000	407.576
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	5187.200	2712.300	3949.750	1750.018
Cyc. bicuspidatus (f)	308.500	617.100	462.800	218.213
Cyc. bicuspidatus (m)	30.500	61.000	45.750	21.566
Meso. edax (f)	101.700	0.000	50.850	71.912
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	823.800	274.600	549.200	388.343
Diap. ashlandi (m)	193.300	64.400	128.850	91.146
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	101.700	0.000	50.850	71.912
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	184.600	277.700	231.150	65.831
Calanoid eggs	740.400	219.700	480.050	368.190
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	230.600	230.600	230.600	0.000
Daph. pulex (juv)	345.800	345.800	345.800	0.000
Daph. eggs	345.900	345.900	345.900	0.000
Bos. longirostris	678.100	678.100	678.100	0.000
Bosmina eggs	115.300	115.300	115.300	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	2373.200	1457.800	1915.500	647.285
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	101.700	101.700	101.700	0.000
TOTAL ZOOPLANKTON	17155.100	10272.800	13713.950	4866.521

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 11/23/87 TIME 1530

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	1898.600	1254.400	1576.500	455.518
Cyc. copepodites	1254.400	339.000	796.700	647.285
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	2610.600	2034.200	2322.400	407.576
Cyc. bicuspidatus (f)	0.000	84.400	42.200	59.679
Cyc. bicuspidatus (m)	0.000	17.300	8.650	12.232
Meso. edax (f)	0.000	101.700	50.850	71.912
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	197.000	365.800	281.400	119.359
Diap. ashlandi (m)	40.300	74.900	57.600	24.465
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	115.600	289.000	202.300	122.612
Calanoid eggs	237.300	206.600	221.950	21.708
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	101.700	0.000	50.850	71.912
Daph. pulex (ad)	135.600	0.000	67.800	95.883
Daph. pulex (juv)	203.400	0.000	101.700	143.825
Daph. eggs	44.700	0.000	22.350	31.607
Bos. longirostris	237.300	0.000	118.650	167.796
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	237.300	339.000	288.150	71.912
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	440.700	237.300	339.000	143.825
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	7356.900	4848.000	6102.450	1774.060

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 11/23/87 TIME 1530

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	1746.000	966.200	1356.100	551.401
Cyc. copepodites	220.400	118.700	169.550	71.912
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	1068.000	457.700	762.850	431.547
Cyc. bicuspidatus (f)	180.300	133.900	157.100	32.809
Cyc. bicuspidatus (m)	47.900	35.600	41.750	8.697
Meso. edax (f)	0.000	39.600	19.800	28.001
Meso. edax (m)	0.000	11.200	5.600	7.919
Diap. ashlandi (f)	347.800	0.000	173.900	245.931
Diap. ashlandi (m)	109.900	0.000	54.950	77.711
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	50.800	25.400	35.921
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	50.800	0.000	25.400	35.921
Cyclopoid eggs	265.000	255.000	260.000	7.071
Calanoid eggs	208.700	30.500	119.600	126.006
Daph. galeata (ad)	0.000	50.800	25.400	35.921
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	59.500	29.750	42.072
Daph. pulex (juv)	0.000	160.900	80.450	113.773
Daph. eggs	0.000	36.400	18.200	25.738
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	50.800	169.500	110.150	83.933
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	118.700	0.000	59.350	83.933
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	3940.600	2254.400	3097.500	1192.323

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 11/23/87 TIME 1530

DEPTH 40-75 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	164.700	290.600	227.650	89.024
Cyc. copepodites	96.900	29.100	63.000	47.941
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	0.000	125.900	62.950	89.024
Cyc. bicuspidatus (f)	93.200	143.300	118.250	35.426
Cyc. bicuspidatus (m)	32.700	50.400	41.550	12.515
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	19.800	19.800	19.800	0.000
Diap. ashlandi (m)	9.300	9.300	9.300	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	29.100	14.550	20.576
Misc. Copepods (f)	29.100	29.100	29.100	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	81.100	124.700	102.900	30.829
Calanoid eggs	18.800	46.500	32.650	19.586
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	29.100	14.550	20.576
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	29.100	14.550	20.576
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	445.700	784.800	615.250	239.779

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 11/23/87 TIME 1530

DEPTH 75-100 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	24.100	99.400	61.750	53.245
Cyc. copepodites	18.100	18.100	18.100	0.000
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	0.000	12.000	6.000	8.485
Cyc. bicuspidatus (f)	9.000	24.100	16.550	10.677
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	3.000	0.000	1.500	2.121
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	4.500	3.000	3.750	1.060
Diap. ashlandi (m)	4.500	3.000	3.750	1.060
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	3.000	0.000	1.500	2.121
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	3.000	0.000	1.500	2.121
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	3.000	1.500	2.121
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	9.000	4.500	6.363
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	0.000	3.000	1.500	2.121
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	69.200	174.600	121.900	74.529

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 11/23/87 TIME 1330

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	10171.000	10001.500	10086.250	119.854
Cyc. copepodites	3220.800	4350.900	3785.850	799.101
Meso. copepodites	395.500	395.500	395.500	0.000
Diap. copepodites	4690.000	5255.000	4972.500	399.515
Cyc. bicuspidatus (f)	1039.700	1923.400	1481.550	624.870
Cyc. bicuspidatus (m)	90.400	167.300	128.850	54.376
Meso. edax (f)	565.100	169.500	367.300	279.731
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	1482.100	1137.500	1309.800	243.668
Diap. ashlandi (m)	947.600	727.200	837.400	155.846
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	169.500	169.500	169.500	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	1476.400	1925.500	1700.950	317.561
Calanoid eggs	776.200	614.300	695.250	114.480
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	169.500	734.600	452.050	399.586
Daph. pulex (ad)	11.900	229.400	120.650	153.795
Daph. pulex (juv)	157.600	3047.900	1602.750	2043.750
Daph. eggs	17.800	344.100	180.950	230.728
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	169.500	84.750	119.854
Polyarthra spp.	2429.700	2090.700	2260.200	239.709
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	1525.600	3220.800	2373.200	1198.687
TOTAL ZOOPLANKTON	27066.000	33790.200	30428.100	4754.727

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 11/23/87 TIME 1330

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	4690.000	6780.700	5735.350	1478.348
Cyc. copepodites	0.000	395.500	197.750	279.660
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	1525.600	2260.200	1892.900	519.440
Cyc. bicuspidatus (f)	155.900	363.900	259.900	147.078
Cyc. bicuspidatus (m)	13.600	31.600	22.600	12.727
Meso. edax (f)	169.500	0.000	84.750	119.854
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	344.700	103.400	224.050	170.624
Diap. ashlandi (m)	220.400	66.100	143.250	109.106
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	218.000	243.800	230.900	18.243
Calanoid eggs	167.000	48.600	107.800	83.721
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	169.500	0.000	84.750	119.854
Daph. pulex (ad)	11.900	27.700	19.800	11.172
Daph. pulex (juv)	157.600	367.800	262.700	148.633
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	169.500	0.000	84.750	119.854
Polyarthra spp.	0.000	169.500	84.750	119.854
Synchaeta spp.	0.000	565.100	282.550	399.586
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	1299.600	1299.600	1299.600	0.000
TOTAL ZOOPLANKTON	8927.800	12431.100	10679.450	2477.207

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 11/23/87 TIME 1330

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	3333.800	3446.800	3390.300	79.903
Cyc. copepodites	244.900	56.500	150.700	133.218
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	621.600	320.200	470.900	213.121
Cyc. bicuspidatus (f)	160.000	208.200	184.100	34.082
Cyc. bicuspidatus (m)	28.300	36.700	32.500	5.939
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	0.000	271.200	135.600	191.767
Diap. ashlandi (m)	0.000	105.500	52.750	74.599
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	56.500	28.250	39.951
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	120.000	156.100	138.050	25.526
Calanoid eggs	46.900	225.100	136.000	126.006
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	56.500	28.250	39.951
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	56.500	0.000	28.250	39.951
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	244.900	56.500	150.700	133.218
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	131.800	508.500	320.150	266.367
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	4821.800	5123.100	4972.450	213.051

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 11/23/87 TIME 1330

DEPTH 40-75 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	552.100	358.400	455.250	136.966
Cyc. copepodites	29.100	29.100	29.100	0.000
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	29.100	29.100	29.100	0.000
Cyc. bicuspidatus (f)	118.300	118.300	118.300	0.000
Cyc. bicuspidatus (m)	7.600	7.600	7.600	0.000
Meso. edax (f)	67.800	29.100	48.450	27.365
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	25.000	25.000	25.000	0.000
Diap. ashlandi (m)	4.100	4.100	4.100	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	67.800	33.900	47.941
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	16.700	62.200	39.450	32.173
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	29.100	0.000	14.550	20.576
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	29.100	29.100	29.100	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	0.000	29.100	14.550	20.576
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	891.300	726.700	809.000	116.389

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 11/23/87 TIME 1330

DEPTH 75-100 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	102.500	223.000	162.750	85.206
Cyc. copepodites	0.000	18.100	9.050	12.798
Meso. copepodites	18.100	0.000	9.050	12.798
Diap. copepodites	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (f)	39.700	152.900	96.300	80.044
Cyc. bicuspidatus (m)	2.500	9.800	6.150	5.161
Meso. edax (f)	42.200	0.000	21.100	29.839
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	0.000	0.000	0.000	0.000
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	14.700	27.500	21.100	9.050
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	18.100	18.100	18.100	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	42.200	18.100	30.150	17.041
TOTAL ZOOPLANKTON	265.300	440.000	352.650	123.531

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 11/25/87 TIME 1015

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	4294.200	3013.600	3653.900	905.520
Cyc. copepodites	226.000	527.400	376.700	213.121
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	979.400	1280.800	1130.100	213.121
Cyc. bicuspidatus (f)	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	135.600	0.000	67.800	95.883
Meso. edax (m)	90.400	0.000	45.200	63.922
Diap. ashlandi (f)	192.100	0.000	96.050	135.835
Diap. ashlandi (m)	33.900	0.000	16.950	23.970
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	113.900	0.000	56.950	80.539
Calanoid eggs	244.000	0.000	122.000	172.534
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	105.500	52.750	74.599
Daph. pulex (juv)	0.000	421.900	210.950	298.328
Daph. eggs	0.000	316.500	158.250	223.799
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	1732.800	753.400	1243.100	692.540
Synchaeta spp.	1280.800	527.400	904.100	532.734
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	226.000	113.000	159.806
TOTAL ZOOPLANKTON	8965.200	6856.000	7910.600	1491.429

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 11/25/87 TIME 1015

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	2090.700	3955.400	3023.050	1318.542
Cyc. copepodites	169.500	169.500	169.500	0.000
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	960.600	1864.700	1412.650	639.295
Cyc. bicuspidatus (f)	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	0.000	150.800	75.400	106.631
Diap. ashlandi (m)	0.000	18.700	9.350	13.222
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	169.500	84.750	119.854
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	159.800	79.900	112.995
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	1525.600	762.800	1078.762
Synchaeta spp.	734.600	960.600	847.600	159.806
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	395.500	169.500	282.500	159.806
TOTAL ZOOPLANKTON	4350.900	8984.300	6667.600	3276.308

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 11/25/87 TIME 1015

DEPTH 20-30 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	1393.800	2260.200	1827.000	612.637
Cyc. copepodites	376.700	0.000	188.350	266.367
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	640.400	640.400	640.400	0.000
Cyc. bicuspidatus (f)	0.000	350.300	175.150	247.699
Cyc. bicuspidatus (m)	0.000	26.400	13.200	18.667
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	0.000	93.800	46.900	66.326
Diap. ashlandi (m)	0.000	19.200	9.600	13.576
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	49.000	24.500	34.648
Calanoid eggs	0.000	93.800	46.900	66.326
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	56.500	131.800	94.150	53.245
Daph. pulex (juv)	56.500	131.800	94.150	53.245
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	263.700	131.850	186.464
Synchaeta spp.	263.700	498.700	381.200	166.170
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	0.000	113.000	56.500	79.903
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	2787.600	4529.300	3658.450	1231.567

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 11/25/87 TIME 1015

DEPTH 30-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	1205.400	7323.200	4264.300	4325.937
Cyc. copepodites	90.400	512.300	301.350	298.328
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	301.400	2019.100	1160.250	1214.597
Cyc. bicuspidatus (f)	84.100	84.100	84.100	0.000
Cyc. bicuspidatus (m)	6.300	6.300	6.300	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	0.000	250.200	125.100	176.918
Diap. ashlandi (m)	0.000	51.200	25.600	36.203
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	90.400	0.000	45.200	63.922
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	163.100	163.100	163.100	0.000
Calanoid eggs	72.300	200.200	136.250	90.438
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	105.500	52.750	74.599
Daph. pulex (juv)	0.000	105.500	52.750	74.599
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	301.400	150.700	213.121
Synchaeta spp.	90.400	693.100	391.750	426.173
Lecane spp.	90.400	0.000	45.200	63.922
Misc. Rotifers	0.000	90.400	45.200	63.922
TOTAL ZOOPLANKTON	1958.800	11542.300	6750.550	6776.557

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 11/25/87 TIME 1015

DEPTH 40-50 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	226.000	67.800	146.900	111.864
Cyc. copepodites	0.000	67.800	33.900	47.941
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	0.000	67.800	33.900	47.941
Cyc. bicuspidatus (f)	158.200	0.000	79.100	111.864
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	67.800	0.000	33.900	47.941
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	0.000	0.000	0.000	0.000
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	452.000	203.400	327.700	175.786

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 11/25/87 TIME 1015

DEPTH 50-75 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	42.200	42.200	42.200	0.000
Cyc. copepodites	0.000	18.100	9.050	12.798
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	18.100	18.100	18.100	0.000
Cyc. bicuspidatus (f)	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	0.000	0.000	0.000	0.000
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	18.100	0.000	9.050	12.798
Synchaeta spp.	18.100	42.200	30.150	17.041
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	0.000	18.100	9.050	12.798
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	96.500	138.700	117.600	29.839

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 11/25/87 TIME 1015

DEPTH 75-100 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	42.200	36.200	39.200	4.242
Cyc. copepodites	0.000	0.000	0.000	0.000
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	0.000	12.000	6.000	8.485
Cyc. bicuspidatus (f)	3.000	3.000	3.000	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	3.000	6.000	4.500	2.121
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	3.000	1.500	2.121
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	12.000	0.000	6.000	8.485
TOTAL ZOOPLANKTON	60.200	60.200	60.200	0.000

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW04
DATE 11/24/87 TIME 1015

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	5273.900	4520.400	4897.150	532.804
Cyc. copepodites	0.000	226.000	113.000	159.806
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	226.000	735.400	480.700	360.200
Cyc. bicuspidatus (f)	171.800	171.800	171.800	0.000
Cyc. bicuspidatus (m)	54.200	54.200	54.200	0.000
Meso. edax (f)	0.000	363.900	181.950	257.316
Meso. edax (m)	0.000	163.500	81.750	115.611
Diap. ashlandi (f)	763.900	176.300	470.100	415.495
Diap. ashlandi (m)	215.500	49.700	132.600	117.238
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	106.200	53.100	75.094
Diap. siciloides (m)	0.000	119.800	59.900	84.711
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	65.300	535.700	300.500	332.623
Calanoid eggs	1046.500	387.000	716.750	466.336
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	158.200	47.500	102.850	78.276
Daph. pulex (juv)	595.200	178.500	386.850	294.651
Daph. eggs	248.700	73.800	161.250	123.672
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	3541.000	1732.800	2636.900	1278.590
Synchaeta spp.	2034.200	2787.600	2410.900	532.734
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	226.000	753.400	489.700	372.928
TOTAL ZOOPLANKTON	13259.900	12187.000	12723.450	758.654

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW04
DATE 11/24/87 TIME 1015

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	1695.200	2655.800	2175.500	679.246
Cyc. copepodites	395.500	395.500	395.500	0.000
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	169.500	565.100	367.300	279.731
Cyc. bicuspidatus (f)	157.600	525.500	341.550	260.144
Cyc. bicuspidatus (m)	11.900	39.600	25.750	19.586
Meso. edax (f)	105.100	105.100	105.100	0.000
Meso. edax (m)	64.400	64.400	64.400	0.000
Diap. ashlandi (f)	0.000	0.000	0.000	0.000
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	72.900	72.900	72.900	0.000
Diap. siciloides (m)	96.600	96.600	96.600	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	262.700	630.600	446.650	260.144
Calanoid eggs	86.700	86.700	86.700	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	35.600	272.900	154.250	167.796
Daph. pulex (juv)	133.900	1026.700	580.300	631.304
Daph. eggs	55.900	428.400	242.150	263.397
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	1130.100	1130.100	1130.100	0.000
Synchaeta spp.	169.500	2655.800	1412.650	1758.079
Lecane spp.	0.000	169.500	84.750	119.854
Misc. Rotifers	339.000	0.000	169.500	239.709
TOTAL ZOOPLANKTON	4576.800	9775.500	7176.150	3676.036

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW04
DATE 11/24/87 TIME 1015

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	847.600	389.900	618.750	323.642
Cyc. copepodites	50.800	0.000	25.400	35.921
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	169.500	50.800	110.150	83.933
Cyc. bicuspidatus (f)	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	92.600	39.600	66.100	37.476
Meso. edax (m)	26.100	11.200	18.650	10.535
Diap. ashlandi (f)	103.300	0.000	51.650	73.044
Diap. ashlandi (m)	15.400	0.000	7.700	10.889
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	118.700	118.700	118.700	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	370.700	198.200	284.450	121.975
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	10.700	46.300	28.500	25.173
Daph. pulex (juv)	40.100	174.100	107.100	94.752
Daph. eggs	5.300	23.100	14.200	12.586
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	118.700	0.000	59.350	83.933
Synchaeta spp.	220.400	508.500	364.450	203.717
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	118.700	169.500	144.100	35.921
TOTAL ZOOPLANKTON	1932.600	1508.600	1720.600	299.813

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW04
DATE 11/24/87 TIME 1015

DEPTH 40-65 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	843.800	210.900	527.350	447.527
Cyc. copepodites	73.800	73.800	73.800	0.000
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (f)	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Cyc. bicuspidatus eggs	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	26.200	13.100	18.526
Meso. edax (m)	0.000	5.400	2.700	3.818
Diap. ashlandi (f)	0.000	0.000	0.000	0.000
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	31.600	15.800	22.344
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	105.500	0.000	52.750	74.599
Synchaeta spp.	73.800	31.600	52.700	29.839
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	31.600	0.000	15.800	22.344
TOTAL ZOOPLANKTON	1128.500	379.500	754.000	529.622

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW05
DATE 11/24/87 TIME 1630

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	1796.900	2271.500	2034.200	335.592
Cyc. copepodites	101.700	339.000	220.350	167.796
Meso. copepodites	0.000	101.700	50.850	71.912
Diap. copepodites	118.800	576.300	347.550	323.501
Cyc. bicuspidatus (f)	71.200	0.000	35.600	50.346
Cyc. bicuspidatus (m)	30.500	0.000	15.250	21.566
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	0.000	274.600	137.300	194.171
Diap. ashlandi (m)	0.000	64.400	32.200	45.537
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	114.600	0.000	57.300	81.034
Calanoid eggs	0.000	337.800	168.900	238.860
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	101.700	50.850	71.912
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	101.700	0.000	50.850	71.912
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	339.000	1118.800	728.900	551.401
Synchaeta spp.	1593.500	2373.200	1983.350	551.331
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	542.400	101.700	322.050	311.621
TOTAL ZOOPLANKTON	4695.700	7322.900	6009.300	1857.710

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW05
DATE 11/24/87 TIME 1630

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	4068.400	4644.800	4356.600	407.576
Cyc. copepodites	101.700	0.000	50.850	71.912
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	915.400	678.100	796.750	167.796
Cyc. bicuspidatus (f)	142.400	0.000	71.200	100.692
Cyc. bicuspidatus (m)	94.900	0.000	47.450	67.104
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	0.000	101.700	50.850	71.912
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	101.700	50.850	71.912
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	118.800	101.700	110.250	12.091
Synchaeta spp.	0.000	1695.200	847.600	1198.687
Lecane spp.	101.700	0.000	50.850	71.912
Misc. Rotifers	339.000	101.700	220.350	167.796
TOTAL ZOOPLANKTON	5882.300	7424.900	6653.600	1090.782

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW05
DATE 11/24/87 TIME 1630

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	1695.200	1644.300	1669.750	35.991
Cyc. copepodites	118.700	0.000	59.350	83.933
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	169.500	50.800	110.150	83.933
Cyc. bicuspidatus (f)	76.300	22.900	49.600	37.759
Cyc. bicuspidatus (m)	93.200	27.900	60.550	46.174
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	0.000	0.000	0.000	0.000
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	627.200	339.000	483.100	203.788
Lecane spp.	50.800	0.000	25.400	35.921
Misc. Rotifers	50.800	50.800	50.800	0.000
TOTAL ZOOPLANKTON	2881.700	2135.700	2508.700	527.501

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW05
DATE 11/24/87 TIME 1630

DEPTH 40-75 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	150.700	474.600	312.650	229.031
Cyc. copepodites	52.700	75.300	64.000	15.980
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (f)	32.700	107.400	70.050	52.820
Cyc. bicuspidatus (m)	20.000	65.900	42.950	32.456
Meso. edax (f)	0.000	22.600	11.300	15.980
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	0.000	0.000	0.000	0.000
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	36.000	143.000	89.500	75.660
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	52.200	22.600	37.400	20.930
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	22.600	11.300	15.980
TOTAL ZOOPLANKTON	308.300	791.000	549.650	341.320

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW06
DATE 11/24/87 TIME 1430

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	2320.500	3013.600	2667.050	490.095
Cyc. copepodites	904.100	391.800	647.950	362.250
Meso. copepodites	210.900	210.900	210.900	0.000
Diap. copepodites	210.900	90.400	150.650	85.206
Cyc. bicuspidatus (f)	321.300	494.200	407.750	122.258
Cyc. bicuspidatus (m)	70.500	108.500	89.500	26.870
Meso. edax (f)	51.500	51.500	51.500	0.000
Meso. edax (m)	38.900	38.900	38.900	0.000
Diap. ashlandi (f)	90.400	90.400	90.400	0.000
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	48.800	0.000	24.400	34.506
Diap. siciloides (m)	41.600	0.000	20.800	29.415
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	287.100	420.200	353.650	94.115
Calanoid eggs	267.300	173.600	220.450	66.255
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	210.900	0.000	105.450	149.128
Daph. pulex (ad)	117.800	117.800	117.800	0.000
Daph. pulex (juv)	575.300	575.300	575.300	0.000
Daph. eggs	29.400	29.400	29.400	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	2320.500	2109.500	2215.000	149.199
Synchaeta spp.	1259.900	1898.600	1579.250	451.629
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	301.400	90.400	195.900	149.199
TOTAL ZOOPLANKTON	9095.200	9281.800	9188.500	131.946

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW06
DATE 11/24/87 TIME 1430

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	2320.500	3104.000	2712.250	554.018
Cyc. copepodites	301.400	210.900	256.150	63.993
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	0.000	90.400	45.200	63.922
Cyc. bicuspidatus (f)	126.500	307.400	216.950	127.915
Cyc. bicuspidatus (m)	84.400	204.900	144.650	85.206
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	0.000	0.000	0.000	0.000
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	63.300	63.300	63.300	0.000
Diap. siciloides (m)	27.100	27.100	27.100	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	325.100	790.000	557.550	328.733
Calanoid eggs	34.200	34.200	34.200	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	15.400	7.700	10.889
Daph. pulex (juv)	0.000	75.000	37.500	53.033
Daph. eggs	0.000	3.850	1.925	2.722
Bos. longirostris	0.000	90.400	45.200	63.922
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	602.700	0.000	301.350	426.173
Synchaeta spp.	994.500	301.400	647.950	490.095
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	90.400	301.400	195.900	149.199
TOTAL ZOOPLANKTON	4610.800	4791.600	4701.200	127.844

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW06
DATE 11/24/87 TIME 1430

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	883.400	698.800	791.100	130.531
Cyc. copepodites	171.400	92.300	131.850	55.932
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	39.500	39.500	39.500	0.000
Cyc. bicuspidatus (f)	0.000	48.800	24.400	34.506
Cyc. bicuspidatus (m)	0.000	83.000	41.500	58.689
Meso. edax (f)	52.600	22.500	37.550	21.283
Meso. edax (m)	39.700	17.000	28.350	16.051
Diap. ashlandi (f)	0.000	0.000	0.000	0.000
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	81.700	40.850	57.770
Diap. siciloides (m)	0.000	50.100	25.050	35.426
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	60.000	25.600	42.800	24.324
Calanoid eggs	0.000	58.000	29.000	41.012
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	32.400	32.400	32.400	0.000
Daph. pulex (juv)	7.100	7.100	7.100	0.000
Daph. eggs	1.900	1.900	1.900	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	39.500	39.500	39.500	0.000
Synchaeta spp.	92.300	39.500	65.900	37.335
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	224.100	92.300	158.200	93.196
TOTAL ZOOPLANKTON	1582.000	1344.500	1463.250	167.937

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW06
DATE 11/24/87 TIME 1430

DEPTH 40-75 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	150.700	226.000	188.350	53.245
Cyc. copepodites	97.400	22.600	60.000	52.891
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (f)	0.000	30.900	15.450	21.849
Cyc. bicuspidatus (m)	0.000	44.400	22.200	31.395
Meso. edax (f)	0.000	18.100	9.050	12.798
Meso. edax (m)	0.000	4.500	2.250	3.181
Diap. ashlandi (f)	22.600	0.000	11.300	15.980
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	37.700	18.850	26.657
Calanoid eggs	22.600	0.000	11.300	15.980
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	17.800	8.900	12.586
Daph. pulex (juv)	0.000	4.700	2.350	3.323
Daph. eggs	0.000	22.600	11.300	15.980
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	150.700	97.900	124.300	37.335
TOTAL ZOOPLANKTON	421.400	466.900	444.150	32.173

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 03/29/88 TIME 955

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	4912.200	6328.600	5620.400	1001.546
Cyc. copepodites	602.700	904.100	753.400	213.121
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	3827.300	4008.100	3917.700	127.844
Cyc. bicuspidatus (f)	210.900	0.000	105.450	149.128
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	1416.400	2320.500	1868.450	639.295
Diap. ashlandi (m)	301.400	693.100	497.250	276.973
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	2621.900	1310.950	1853.963
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	210.900	90.400	150.650	85.206
Daph. pulex (ad)	301.400	391.800	346.600	63.922
Daph. pulex (juv)	2199.900	1115.000	1657.450	767.140
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	90.400	210.900	150.650	85.206
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	180.800	90.400	127.844
Polyarthra spp.	210.900	90.400	150.650	85.206
Synchaeta spp.	4008.100	4520.400	4264.250	362.250
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	18292.500	20854.100	19573.300	1811.324

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 03/29/88 TIME 955

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	3315.000	3661.600	3488.300	245.083
Cyc. copepodites	1054.800	708.200	881.500	245.083
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	1702.700	2561.600	2132.150	607.334
Cyc. bicuspidatus (f)	105.500	0.000	52.750	74.599
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	949.300	602.700	776.000	245.083
Diap. ashlandi (m)	150.700	105.500	128.100	31.961
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	1009.600	0.000	504.800	713.895
Calanoid eggs	301.400	753.400	527.400	319.612
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	45.200	22.600	31.961
Daph. pulex (ad)	256.200	256.200	256.200	0.000
Daph. pulex (juv)	1009.600	904.100	956.850	74.599
Daph. eggs	45.200	0.000	22.600	31.961
Bos. longirostris	45.200	45.200	45.200	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	45.200	195.900	120.550	106.560
Polyarthra spp.	105.500	150.700	128.100	31.961
Synchaeta spp.	1657.500	2410.900	2034.200	532.734
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	45.200	22.600	31.961
TOTAL ZOOPLANKTON	10397.200	11693.000	11045.100	916.268

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 03/29/88 TIME 955

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	2787.600	2991.000	2889.300	143.825
Cyc. copepodites	97.900	97.900	97.900	0.000
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	203.400	278.800	241.100	53.315
Cyc. bicuspidatus (f)	0.000	97.900	48.950	69.225
Cyc. bicuspidatus (m)	52.700	22.600	37.650	21.283
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	203.400	97.900	150.650	74.599
Diap. ashlandi (m)	22.600	0.000	11.300	15.980
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	324.000	162.000	229.102
Calanoid eggs	128.100	0.000	64.050	90.580
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	150.700	22.600	86.650	90.580
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	22.600	0.000	11.300	15.980
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	173.300	128.100	150.700	31.961
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	75.300	52.700	64.000	15.980
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	3789.500	3789.500	3789.500	0.000

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 03/29/88 TIME 955

DEPTH 40-75 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	314.300	460.700	387.500	103.520
Cyc. copepodites	30.100	12.900	21.500	12.162
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	129.200	142.100	135.650	9.121
Cyc. bicuspidatus (f)	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	43.000	30.100	36.550	9.121
Diap. ashlandi (m)	12.900	30.100	21.500	12.162
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	12.900	12.900	12.900	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	43.000	43.000	43.000	0.000
Lecane spp.	12.900	0.000	6.450	9.121
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	598.300	731.800	665.050	94.398

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 03/29/88 TIME 955

DEPTH 75-90 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	115.500	155.700	135.600	28.425
Cyc. copepodites	30.100	25.100	27.600	3.535
Meso. copepodites	0.000	5.000	2.500	3.535
Diap. copepodites	25.100	80.400	52.750	39.103
Cyc. bicuspidatus (f)	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (m)	0.000	10.000	5.000	7.071
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	30.100	55.200	42.650	17.748
Diap. ashlandi (m)	20.100	5.000	12.550	10.677
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	5.000	2.500	3.535
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	45.200	25.100	35.150	14.212
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	5.000	2.500	3.535
Daph. pulex (juv)	25.100	15.100	20.100	7.071
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	5.000	2.500	3.535
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	5.000	5.000	5.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	15.100	5.000	10.050	7.141
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	266.100	376.500	321.300	78.064

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 03/29/88 TIME 1215

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	5266.300	5040.300	5153.300	159.806
Cyc. copepodites	1197.900	1062.300	1130.100	95.883
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	4520.400	4746.500	4633.450	159.876
Cyc. bicuspidatus (f)	158.200	158.200	158.200	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	67.800	33.900	47.941
Diap. ashlandi (f)	1288.300	971.900	1130.100	223.728
Diap. ashlandi (m)	158.200	226.000	192.100	47.941
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	158.200	0.000	79.100	111.864
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	836.300	0.000	418.150	591.353
Calanoid eggs	678.100	678.100	678.100	0.000
Daph. galeata (ad)	0.000	67.800	33.900	47.941
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	678.100	519.800	598.950	111.935
Daph. pulex (juv)	1966.400	1062.300	1514.350	639.295
Daph. eggs	293.800	67.800	180.800	159.806
Bos. longirostris	0.000	67.800	33.900	47.941
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	67.800	33.900	47.941
Polyarthra spp.	158.200	226.000	192.100	47.941
Synchaeta spp.	4972.500	5808.800	5390.650	591.353
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	20522.700	20093.300	20308.000	303.631

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 03/29/88 TIME 1215

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	4678.700	4588.300	4633.500	63.922
Cyc. copepodites	519.800	226.000	372.900	207.747
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	3006.100	2644.500	2825.300	255.689
Cyc. bicuspidatus (f)	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	678.100	610.300	644.200	47.941
Diap. ashlandi (m)	158.200	0.000	79.100	111.864
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	519.800	259.900	367.554
Calanoid eggs	293.800	0.000	146.900	207.747
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	293.800	226.000	259.900	47.941
Daph. pulex (juv)	384.200	1197.900	791.050	575.372
Daph. eggs	67.800	67.800	67.800	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	226.000	0.000	113.000	159.806
Polyarthra spp.	67.800	0.000	33.900	47.941
Synchaeta spp.	1062.300	1876.000	1469.150	575.372
Lecane spp.	67.800	0.000	33.900	47.941
Collotheca spp.	67.800	0.000	33.900	47.941
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	11210.600	11369.000	11289.800	112.005

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 03/29/88 TIME 1215

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	2862.900	2358.200	2610.550	356.876
Cyc. copepodites	128.100	75.300	101.700	37.335
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	504.800	203.400	354.100	213.121
Cyc. bicuspidatus (f)	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (m)	22.600	0.000	11.300	15.980
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	75.300	75.300	75.300	0.000
Diap. ashlandi (m)	22.600	52.700	37.650	21.283
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	97.900	97.900	97.900	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	52.700	22.600	37.650	21.283
Daph. pulex (juv)	173.300	97.900	135.600	53.315
Daph. eggs	22.600	0.000	11.300	15.980
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	22.600	0.000	11.300	15.980
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	150.700	203.400	177.050	37.264
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	22.600	52.700	37.650	21.283
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	4038.200	3141.500	3589.850	634.062

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 03/29/88 TIME 1215

DEPTH 40-75 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	256.200	236.800	246.500	13.717
Cyc. copepodites	8.600	8.600	8.600	0.000
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	49.500	45.200	47.350	3.040
Cyc. bicuspidatus (f)	4.300	8.600	6.450	3.040
Cyc. bicuspidatus (m)	4.300	2.100	3.200	1.555
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	17.200	6.500	11.850	7.566
Diap. ashlandi (m)	4.300	15.100	9.700	7.636
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	23.700	0.000	11.850	16.758
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	4.300	6.500	5.400	1.555
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	8.600	0.000	4.300	6.081
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	6.500	21.500	14.000	10.606
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	0.000	2.100	1.050	1.484
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	363.800	353.000	358.400	7.636

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 03/29/88 TIME 1215

DEPTH 75-100 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	60.300	63.300	61.800	2.121
Cyc. copepodites	0.000	3.000	1.500	2.121
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	15.100	9.000	12.050	4.313
Cyc. bicuspidatus (f)	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (m)	0.000	9.000	4.500	6.363
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	3.000	9.000	6.000	4.242
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	3.000	1.500	2.121
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	3.000	0.000	1.500	2.121
Daph. pulex (juv)	0.000	3.000	1.500	2.121
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	3.000	1.500	2.121
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	12.000	9.000	10.500	2.121
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	93.400	111.300	102.350	12.657

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 03/30/88 TIME 1630

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	5032.800	5334.100	5183.450	213.051
Cyc. copepodites	1416.400	904.100	1160.250	362.250
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	3224.600	2802.700	3013.650	298.328
Cyc. bicuspidatus (f)	693.100	0.000	346.550	490.095
Cyc. bicuspidatus (m)	90.400	0.000	45.200	63.922
Meso. edax (f)	0.000	90.400	45.200	63.922
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	1717.800	904.100	1310.950	575.372
Diap. ashlandi (m)	301.400	90.400	195.900	149.199
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	602.700	301.350	426.173
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	301.400	210.900	256.150	63.993
Daph. pulex (juv)	2802.700	2410.900	2606.800	277.044
Daph. eggs	301.400	1115.000	708.200	575.302
Bos. longirostris	210.900	210.900	210.900	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	90.400	0.000	45.200	63.922
Polyarthra spp.	0.000	210.900	105.450	149.128
Synchaeta spp.	2802.700	2802.700	2802.700	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	18684.600	15972.100	17328.350	1918.027

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 03/30/88 TIME 1630

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	4904.700	3548.600	4226.650	958.907
Cyc. copepodites	904.100	384.200	644.150	367.624
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	2192.400	2395.800	2294.100	143.825
Cyc. bicuspidatus (f)	226.000	0.000	113.000	159.806
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	67.800	33.900	47.941
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	678.100	971.900	825.000	207.747
Diap. ashlandi (m)	519.800	226.000	372.900	207.747
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	67.800	33.900	47.941
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	678.100	519.800	598.950	111.935
Daph. pulex (juv)	2780.100	1423.900	2102.000	958.978
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	67.800	0.000	33.900	47.941
Polyarthra spp.	293.800	67.800	180.800	159.806
Synchaeta spp.	1356.100	971.900	1164.000	271.670
Lecane spp.	0.000	0.000	0.000	0.000
Ascomorpha spp.	0.000	67.800	33.900	47.941
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	14601.000	10713.300	12657.150	2749.019

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 03/30/88 TIME 1630

DEPTH 20-30 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	4369.800	4927.300	4648.550	394.212
Cyc. copepodites	105.500	150.700	128.100	31.961
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	708.200	1356.100	1032.150	458.134
Cyc. bicuspidatus (f)	45.200	45.200	45.200	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	150.700	301.400	226.050	106.560
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	45.200	22.600	31.961
Daph. pulex (juv)	301.400	406.800	354.100	74.529
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	45.200	406.800	226.000	255.689
Synchaeta spp.	346.600	0.000	173.300	245.083
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	45.200	0.000	22.600	31.961
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	6117.800	7639.500	6878.650	1076.004

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 03/30/88 TIME 1630

DEPTH 30-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	1951.300	1770.500	1860.900	127.844
Cyc. copepodites	15.100	7.500	11.300	5.374
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	120.500	203.400	161.950	58.619
Cyc. bicuspidatus (f)	15.100	37.700	26.400	15.980
Cyc. bicuspidatus (m)	7.500	0.000	3.750	5.303
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	0.000	45.200	22.600	31.961
Diap. ashlandi (m)	15.100	7.500	11.300	5.374
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	7.500	0.000	3.750	5.303
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	45.200	0.000	22.600	31.961
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	7.500	0.000	3.750	5.303
Daph. pulex (juv)	15.100	30.100	22.600	10.606
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	7.500	0.000	3.750	5.303
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	7.500	0.000	3.750	5.303
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	22.600	52.700	37.650	21.283
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	7.500	0.000	3.750	5.303
TOTAL ZOOPLANKTON	2199.800	2154.600	2177.200	31.961

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 03/30/88 TIME 1630

DEPTH 40-50 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	542.400	1092.400	817.400	388.908
Cyc. copepodites	15.100	22.600	18.850	5.303
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	52.700	75.300	64.000	15.980
Cyc. bicuspidatus (f)	7.500	22.600	15.050	10.677
Cyc. bicuspidatus (m)	0.000	7.500	3.750	5.303
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	45.200	15.100	30.150	21.283
Diap. ashlandi (m)	37.700	0.000	18.850	26.657
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	15.100	15.100	15.100	0.000
Daph. pulex (juv)	45.200	30.100	37.650	10.677
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	15.100	15.100	15.100	0.000
Lecane spp.	7.500	0.000	3.750	5.303
Misc. Rotifers	0.000	7.500	3.750	5.303
TOTAL ZOOPLANKTON	783.500	1303.300	1043.400	367.554

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 03/30/88 TIME 1630

DEPTH 50-75 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	241.100	256.200	248.650	10.677
Cyc. copepodites	15.100	24.100	19.600	6.363
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	24.100	30.100	27.100	4.242
Cyc. bicuspidatus (f)	6.000	6.000	6.000	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	18.100	27.100	22.600	6.363
Diap. ashlandi (m)	12.000	3.000	7.500	6.363
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	36.200	0.000	18.100	25.597
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	36.200	36.200	36.200	0.000
Daph. pulex (juv)	57.300	48.200	52.750	6.434
Daph. eggs	30.100	9.000	19.550	14.919
Bos. longirostris	0.000	3.000	1.500	2.121
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	6.000	0.000	3.000	4.242
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	3.000	0.000	1.500	2.121
Misc. Rotifers	0.000	3.000	1.500	2.121
TOTAL ZOOPLANKTON	418.900	436.900	427.900	12.727

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 03/30/88 TIME 1630

DEPTH 75-100 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	156.700	189.900	173.300	23.475
Cyc. copepodites	12.000	6.000	9.000	4.242
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	42.200	24.100	33.150	12.798
Cyc. bicuspidatus (f)	6.000	3.000	4.500	2.121
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	15.100	12.000	13.550	2.192
Diap. ashlandi (m)	3.000	9.000	6.000	4.242
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	54.200	27.100	38.325
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	6.000	3.000	4.242
Daph. pulex (juv)	9.000	15.100	12.050	4.313
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	6.000	3.000	4.242
Lecane spp.	3.000	3.000	3.000	0.000
Misc. Rotifers	3.000	3.000	3.000	0.000
TOTAL ZOOPLANKTON	250.000	277.100	263.550	19.162

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW04
DATE 03/29/88 TIME 1525

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	24320.000	17569.500	20944.750	4773.324
Cyc. copepodites	2199.900	994.500	1597.200	852.346
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	5725.900	6931.400	6328.650	852.417
Cyc. bicuspidatus (f)	602.700	994.500	798.600	277.044
Cyc. bicuspidatus (m)	210.900	210.900	210.900	0.000
Meso. edax (f)	90.400	90.400	90.400	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	1597.200	2199.900	1898.550	426.173
Diap. ashlandi (m)	602.700	994.500	798.600	277.044
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	90.400	0.000	45.200	63.922
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	90.400	45.200	63.922
Cyclopoid eggs	6328.600	0.000	3164.300	4474.995
Calanoid eggs	3827.300	2923.200	3375.250	639.295
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	90.400	0.000	45.200	63.922
Daph. pulex (ad)	1416.400	2712.300	2064.350	916.339
Daph. pulex (juv)	9131.300	10246.400	9688.850	788.494
Daph. eggs	301.400	0.000	150.700	213.121
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	1597.200	1898.600	1747.900	213.121
Synchaeta spp.	90.400	602.700	346.550	362.250
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	47765.800	45536.000	46650.900	1576.706

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW04
DATE 03/29/88 TIME 1525

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	7590.600	6837.200	7213.900	532.734
Cyc. copepodites	56.500	56.500	56.500	0.000
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	320.200	753.400	536.800	306.318
Cyc. bicuspidatus (f)	56.500	244.900	150.700	133.218
Cyc. bicuspidatus (m)	0.000	56.500	28.250	39.951
Meso. edax (f)	0.000	56.500	28.250	39.951
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	131.800	131.800	131.800	0.000
Diap. ashlandi (m)	56.500	56.500	56.500	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	56.500	56.500	56.500	0.000
Daph. pulex (juv)	1186.600	1073.600	1130.100	79.903
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	131.800	0.000	65.900	93.196
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	9587.000	9323.400	9455.200	186.393

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW04
DATE 03/29/88 TIME 1525

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	1559.600	1107.500	1333.550	319.682
Cyc. copepodites	52.700	0.000	26.350	37.264
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (f)	0.000	22.600	11.300	15.980
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	22.600	11.300	15.980
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	22.600	22.600	22.600	0.000
Diap. ashlandi (m)	22.600	52.700	37.650	21.283
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	22.600	0.000	11.300	15.980
Daph. pulex (juv)	226.000	128.100	177.050	69.225
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	22.600	11.300	15.980
Polyarthra spp.	0.000	128.100	64.050	90.580
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	1906.100	1506.800	1706.450	282.347

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW04
DATE 03/29/88 TIME 1525

DEPTH 40-60 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	1484.200	1122.600	1303.400	255.689
Cyc. copepodites	60.300	45.200	52.750	10.677
Meso. copepodites	3.800	0.000	1.900	2.687
Diap. copepodites	67.800	11.300	39.550	39.951
Cyc. bicuspidatus (f)	41.400	30.100	35.750	7.990
Cyc. bicuspidatus (m)	15.100	0.000	7.550	10.677
Meso. edax (f)	3.800	0.000	1.900	2.687
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	41.400	18.800	30.100	15.980
Diap. ashlandi (m)	0.000	11.300	5.650	7.990
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	11.300	60.300	35.800	34.648
Calanoid eggs	0.000	30.100	15.050	21.283
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	67.800	105.500	86.650	26.657
Daph. pulex (juv)	143.100	210.900	177.000	47.941
Daph. eggs	33.900	41.400	37.650	5.303
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	3.800	1.900	2.687
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	3.800	1.900	2.687
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	3.800	1.900	2.687
TOTAL ZOOPLANKTON	1928.700	1567.100	1747.900	255.689

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW05
DATE 03/30/88 TIME 740

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	14013.400	13945.600	13979.500	47.941
Cyc. copepodites	1130.100	1740.400	1435.250	431.547
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	6486.800	5266.300	5876.550	863.023
Cyc. bicuspidatus (f)	226.000	678.100	452.050	319.682
Cyc. bicuspidatus (m)	0.000	158.200	79.100	111.864
Meso. edax (f)	226.000	67.800	146.900	111.864
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	3842.400	2712.300	3277.350	799.101
Diap. ashlandi (m)	384.200	519.800	452.000	95.883
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	67.800	0.000	33.900	47.941
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	1356.100	5650.600	3503.350	3036.670
Calanoid eggs	1197.900	1582.200	1390.050	271.741
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	678.100	1423.900	1051.000	527.360
Daph. pulex (juv)	3910.200	5040.300	4475.250	799.101
Daph. eggs	384.200	0.000	192.100	271.670
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	384.200	519.800	452.000	95.883
Synchaeta spp.	836.300	452.000	644.150	271.741
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	32185.500	32524.500	32355.000	239.709

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW05
DATE 03/30/88 TIME 740

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	9229.300	8042.600	8635.950	839.123
Cyc. copepodites	131.800	565.100	348.450	306.389
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	1130.100	2071.900	1601.000	665.953
Cyc. bicuspidatus (f)	244.900	131.800	188.350	79.973
Cyc. bicuspidatus (m)	0.000	56.500	28.250	39.951
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	508.500	508.500	508.500	0.000
Diap. ashlandi (m)	376.700	56.500	216.600	226.415
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	4275.600	1563.300	2919.450	1917.885
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	131.800	56.500	94.150	53.245
Daph. pulex (juv)	1563.300	1262.000	1412.650	213.051
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	56.500	28.250	39.951
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	56.500	28.250	39.951
Polyarthra spp.	131.800	56.500	94.150	53.245
Synchaeta spp.	320.200	131.800	226.000	133.218
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	131.800	0.000	65.900	93.196
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	13900.200	13052.700	13476.450	599.272

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW05
DATE 03/30/88 TIME 740

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	2382.600	2448.600	2415.600	46.669
Cyc. copepodites	310.800	65.900	188.350	173.170
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	310.800	94.200	202.500	153.159
Cyc. bicuspidatus (f)	122.400	65.900	94.150	39.951
Cyc. bicuspidatus (m)	0.000	28.200	14.100	19.940
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	122.400	160.100	141.250	26.657
Diap. ashlandi (m)	28.200	0.000	14.100	19.940
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	442.600	0.000	221.300	312.965
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	65.900	32.950	46.598
Daph. pulex (juv)	254.300	28.200	141.250	159.876
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	28.200	0.000	14.100	19.940
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	122.400	28.200	75.300	66.609
TOTAL ZOOPLANKTON	3682.100	2985.200	3333.650	492.782

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW05
DATE 03/30/88 TIME 740

DEPTH 40-80 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	1318.500	1156.500	1237.500	114.551
Cyc. copepodites	113.000	113.000	113.000	0.000
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	26.400	26.400	26.400	0.000
Cyc. bicuspidatus (f)	64.000	86.600	75.300	15.980
Cyc. bicuspidatus (m)	0.000	11.300	5.650	7.990
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	49.000	26.400	37.700	15.980
Diap. ashlandi (m)	11.300	37.700	24.500	18.667
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	199.600	0.000	99.800	141.138
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	26.400	37.700	32.050	7.990
Daph. pulex (juv)	26.400	37.700	32.050	7.990
Daph. eggs	0.000	11.300	5.650	7.990
Bos. longirostris	11.300	26.400	18.850	10.677
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	11.300	5.650	7.990
Synchaeta spp.	26.400	49.000	37.700	15.980
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	1672.700	1620.000	1646.350	37.264

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW06
DATE 03/30/88 TIME 1020

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	13169.600	11753.200	12461.400	1001.546
Cyc. copepodites	391.800	512.300	452.050	85.206
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	4008.100	3616.400	3812.250	276.973
Cyc. bicuspidatus (f)	301.400	602.700	452.050	213.051
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	1597.200	1808.200	1702.700	149.199
Diap. ashlandi (m)	301.400	90.400	195.900	149.199
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	2802.700	3616.400	3209.550	575.372
Calanoid eggs	1597.200	2019.100	1808.150	298.328
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	904.100	1295.900	1100.000	277.044
Daph. pulex (juv)	2410.900	2410.900	2410.900	0.000
Daph. eggs	0.000	210.900	105.450	149.128
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	693.100	512.300	602.700	127.844
Synchaeta spp.	1205.400	1115.000	1160.200	63.922
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	210.900	90.400	150.650	85.206
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	25193.900	23807.700	24500.800	980.191

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW06
DATE 03/30/88 TIME 1020

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	5876.600	12657.300	9266.950	4794.678
Cyc. copepodites	158.200	610.300	384.250	319.682
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	1356.100	1876.000	1616.050	367.624
Cyc. bicuspidatus (f)	0.000	293.800	146.900	207.747
Cyc. bicuspidatus (m)	0.000	67.800	33.900	47.941
Meso. edax (f)	0.000	67.800	33.900	47.941
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	519.800	519.400	519.600	0.282
Diap. ashlandi (m)	0.000	226.000	113.000	159.806
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	2192.400	971.900	1582.150	863.023
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	67.800	33.900	47.941
Daph. pulex (ad)	293.800	610.300	452.050	223.799
Daph. pulex (juv)	1288.300	1514.300	1401.300	159.806
Daph. eggs	0.000	67.800	33.900	47.941
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	67.800	158.200	113.000	63.922
Synchaeta spp.	0.000	226.000	113.000	159.806
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	9560.600	18895.000	14227.800	6600.417

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW06
DATE 03/30/88 TIME 1020

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	1002.000	1484.200	1243.100	340.966
Cyc. copepodites	97.900	22.600	60.250	53.245
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	278.800	173.300	226.050	74.599
Cyc. bicuspidatus (f)	128.100	22.600	75.350	74.599
Cyc. bicuspidatus (m)	22.600	52.700	37.650	21.283
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	128.100	0.000	64.050	90.580
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	22.600	22.600	22.600	0.000
Daph. pulex (juv)	52.700	52.700	52.700	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	22.600	11.300	15.980
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	52.700	128.100	90.400	53.315
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	0.000	22.600	11.300	15.980
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	1785.500	2004.000	1894.750	154.502

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW06
DATE 03/30/88 TIME 1020

DEPTH 40-65 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	1103.000	1205.400	1154.200	72.407
Cyc. copepodites	138.600	78.300	108.450	42.638
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	78.300	18.100	48.200	42.567
Cyc. bicuspidatus (f)	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	18.100	42.200	30.150	17.041
Diap. ashlandi (m)	0.000	42.200	21.100	29.839
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	120.500	162.700	141.600	29.839
Daph. pulex (juv)	60.300	60.300	60.300	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	42.200	21.100	29.839
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	1518.800	1651.400	1585.100	93.762

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 04/25/88 TIME 1030

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	9131.300	9251.900	9191.600	85.277
Cyc. copepodites	2712.300	2410.900	2561.600	213.121
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	2621.900	1898.600	2260.250	511.450
Cyc. bicuspidatus (f)	210.900	301.400	256.150	63.993
Cyc. bicuspidatus (m)	90.400	0.000	45.200	63.922
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	1597.200	1295.900	1446.550	213.051
Diap. ashlandi (m)	904.100	1205.400	1054.750	213.051
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	90.400	45.200	63.922
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	3405.400	10758.700	7082.050	5199.568
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	210.900	0.000	105.450	149.128
Daph. pulex (ad)	210.900	602.700	406.800	277.044
Daph. pulex (juv)	1115.000	1597.200	1356.100	340.966
Daph. eggs	210.900	301.400	256.150	63.993
Bos. longirostris	210.900	0.000	105.450	149.128
Bosmina eggs	0.000	90.400	45.200	63.922
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	391.800	602.700	497.250	149.128
Synchaeta spp.	10547.700	7624.500	9086.100	2067.014
Lecane spp.	0.000	0.000	0.000	0.000
Ascomorpha spp.	3315.000	1506.800	2410.900	1278.590
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	33270.300	28388.400	30829.350	3452.024

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 04/25/88 TIME 1030

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	4626.900	6479.300	5553.100	1309.844
Cyc. copepodites	1205.400	256.200	730.800	671.185
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	1913.700	2109.500	2011.600	138.451
Cyc. bicuspidatus (f)	256.200	105.500	180.850	106.560
Cyc. bicuspidatus (m)	105.500	105.500	105.500	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	256.700	45.200	150.950	149.553
Diap. ashlandi (m)	105.500	0.000	52.750	74.599
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	1853.400	0.000	926.700	1310.551
Calanoid eggs	3360.200	0.000	1680.100	2376.020
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	45.200	105.500	75.350	42.638
Daph. pulex (juv)	256.200	256.700	256.450	0.353
Daph. eggs	0.000	195.900	97.950	138.522
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	45.200	150.700	97.950	74.599
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	2968.400	3510.900	3239.650	383.605
Lecane spp.	45.200	0.000	22.600	31.961
Misc. Rotifers	0.000	45.200	22.600	31.961
TOTAL ZOOPLANKTON	11830.100	13170.200	12500.150	947.593

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 04/25/88 TIME 1030

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	2358.200	2659.500	2508.850	213.051
Cyc. copepodites	75.300	75.300	75.300	0.000
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	203.400	376.700	290.050	122.541
Cyc. bicuspidatus (f)	75.300	75.300	75.300	0.000
Cyc. bicuspidatus (m)	22.600	97.900	60.250	53.245
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	97.900	150.700	124.300	37.335
Diap. ashlandi (m)	75.300	97.900	86.600	15.980
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	851.300	0.000	425.650	601.960
Calanoid eggs	150.700	128.100	139.400	15.980
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	22.600	0.000	11.300	15.980
Daph. pulex (juv)	0.000	52.700	26.350	37.264
Daph. eggs	0.000	52.700	26.350	37.264
Bos. longirostris	0.000	75.300	37.650	53.245
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	602.700	851.300	727.000	175.786
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	75.300	97.900	86.600	15.980
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	3608.600	4610.500	4109.550	708.450

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 04/25/88 TIME 1030

DEPTH 40-75 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	170.000	361.600	265.800	135.481
Cyc. copepodites	4.300	15.100	9.700	7.636
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	43.000	81.800	62.400	27.435
Cyc. bicuspidatus (f)	4.300	10.800	7.550	4.596
Cyc. bicuspidatus (m)	4.300	6.400	5.350	1.484
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	17.200	10.800	14.000	4.525
Diap. ashlandi (m)	10.800	8.600	9.700	1.555
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	25.800	12.900	18.243
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	2.100	0.000	1.050	1.484
Daph. pulex (juv)	6.400	6.400	6.400	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	30.100	62.400	46.250	22.839
Lecane spp.	0.000	4.300	2.150	3.040
Collotheca spp.	2.100	6.400	4.250	3.040
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	294.600	574.600	434.600	197.989

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 04/25/88 TIME 1030

DEPTH 75-90 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	70.300	100.400	85.350	21.283
Cyc. copepodites	0.000	5.000	2.500	3.535
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	25.100	20.100	22.600	3.535
Cyc. bicuspidatus (f)	5.000	0.000	2.500	3.535
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	0.000	0.000	0.000	0.000
Diap. ashlandi (m)	5.000	5.000	5.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	55.200	0.000	27.600	39.032
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	15.000	20.100	17.550	3.606
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	5.000	5.000	5.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	125.400	155.600	140.500	21.354

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 04/25/88 TIME 1215

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	6840.900	8136.800	7488.850	916.339
Cyc. copepodites	2109.500	2019.100	2064.300	63.922
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	4430.000	3706.800	4068.400	511.379
Cyc. bicuspidatus (f)	391.800	210.900	301.350	127.915
Cyc. bicuspidatus (m)	90.400	0.000	45.200	63.922
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	1597.200	1295.900	1446.550	213.051
Diap. ashlandi (m)	693.100	813.700	753.400	85.277
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	2621.900	693.100	1657.500	1363.867
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	904.100	602.700	753.400	213.121
Daph. pulex (juv)	904.100	2109.500	1506.800	852.346
Daph. eggs	301.400	210.900	256.150	63.993
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	90.400	45.200	63.922
Polyarthra spp.	90.400	90.400	90.400	0.000
Synchaeta spp.	1808.200	2320.500	2064.350	362.250
Lecane spp.	0.000	0.000	0.000	0.000
Ascomorpha spp.	4731.400	6539.600	5635.500	1278.590
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	24591.100	27936.300	26263.700	2365.413

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 04/25/88 TIME 1215

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	6283.400	5982.100	6132.750	213.051
Cyc. copepodites	602.700	602.700	602.700	0.000
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	2004.100	2365.700	2184.900	255.689
Cyc. bicuspidatus (f)	105.500	105.500	105.500	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	256.200	45.200	150.700	149.199
Diap. ashlandi (m)	195.900	0.000	97.950	138.522
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	858.900	1205.400	1032.150	245.012
Calanoid eggs	452.000	0.000	226.000	319.612
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	647.900	406.800	527.350	170.483
Daph. pulex (juv)	452.000	753.400	602.700	213.121
Daph. eggs	150.700	105.500	128.100	31.961
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	45.200	0.000	22.600	31.961
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	3571.200	3917.700	3744.450	245.012
Lecane spp.	45.200	45.200	45.200	0.000
Ascomorpha spp.	647.900	949.300	798.600	213.121
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	14857.200	15173.600	15015.400	223.728

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 04/25/88 TIME 1215

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	3842.400	3337.600	3590.000	356.947
Cyc. copepodites	97.900	22.600	60.250	53.245
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	226.000	429.400	327.700	143.825
Cyc. bicuspidatus (f)	22.600	22.600	22.600	0.000
Cyc. bicuspidatus (m)	0.000	22.600	11.300	15.980
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	22.600	75.300	48.950	37.264
Diap. ashlandi (m)	75.300	52.700	64.000	15.980
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	1107.500	0.000	553.750	783.120
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	52.700	22.600	37.650	21.283
Daph. pulex (juv)	203.400	150.700	177.050	37.264
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	452.000	226.000	339.000	159.806
Lecane spp.	0.000	0.000	0.000	0.000
Ascomorpha spp.	97.900	52.700	75.300	31.961
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	5092.800	4414.800	4753.800	479.418

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 04/25/88 TIME 1215

DEPTH 40-75 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	122.700	200.200	161.450	54.800
Cyc. copepodites	8.600	8.600	8.600	0.000
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	75.300	71.000	73.150	3.040
Cyc. bicuspidatus (f)	2.100	0.000	1.050	1.484
Cyc. bicuspidatus (m)	6.400	2.100	4.250	3.040
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	10.800	8.600	9.700	1.555
Diap. ashlandi (m)	6.400	6.400	6.400	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	8.600	4.300	6.081
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	2.100	1.050	1.484
Daph. pulex (juv)	12.900	17.200	15.050	3.040
Daph. eggs	0.000	4.300	2.150	3.040
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	6.400	0.000	3.200	4.525
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	10.800	8.600	9.700	1.555
Lecane spp.	0.000	0.000	0.000	0.000
Ascomorpha spp.	8.600	0.000	4.300	6.081
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	271.000	324.800	297.900	38.042

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 04/25/88 TIME 1215

DEPTH 75-100 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	102.500	87.400	94.950	10.677
Cyc. copepodites	3.000	0.000	1.500	2.121
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	39.200	24.100	31.650	10.677
Cyc. bicuspidatus (f)	3.000	6.000	4.500	2.121
Cyc. bicuspidatus (m)	3.000	3.000	3.000	0.000
Meso. edax (f)	3.000	0.000	1.500	2.121
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	18.100	12.000	15.050	4.313
Diap. ashlandi (m)	6.000	3.000	4.500	2.121
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	15.100	0.000	7.550	10.677
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	3.000	0.000	1.500	2.121
Daph. pulex (juv)	3.000	3.000	3.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	9.000	3.000	6.000	4.242
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	6.000	3.000	4.500	2.121
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	3.000	6.000	4.500	2.121
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	201.800	150.500	176.150	36.274

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 04/25/88 TIME 1650

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	7624.500	6931.400	7277.950	490.095
Cyc. copepodites	1808.200	2019.100	1913.650	149.128
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	4520.400	5334.100	4927.250	575.372
Cyc. bicuspidatus (f)	301.400	301.400	301.400	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	1416.400	1898.600	1657.500	340.966
Diap. ashlandi (m)	1205.400	1205.400	1205.400	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	2621.900	813.700	1717.800	1278.590
Daph. galeata (ad)	90.400	0.000	45.200	63.922
Daph. galeata (juv)	0.000	90.400	45.200	63.922
Daph. pulex (ad)	693.100	693.100	693.100	0.000
Daph. pulex (juv)	1898.600	1898.600	1898.600	0.000
Daph. eggs	512.300	301.400	406.850	149.128
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	602.700	1717.800	1160.250	788.494
Synchaeta spp.	7925.900	8227.200	8076.550	213.051
Lecane spp.	0.000	0.000	0.000	0.000
Ascomorpha spp.	3315.000	1898.600	2606.800	1001.546
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	31402.000	32215.700	31808.850	575.372

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 04/25/88 TIME 1650

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	6117.900	6117.900	6117.900	0.000
Cyc. copepodites	1597.200	693.100	1145.150	639.295
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	4219.100	3525.900	3872.500	490.166
Cyc. bicuspidatus (f)	90.400	90.400	90.400	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	1205.400	1597.200	1401.300	277.044
Diap. ashlandi (m)	0.000	391.800	195.900	277.044
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	1506.800	0.000	753.400	1065.468
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	693.100	602.700	647.900	63.922
Daph. pulex (juv)	1506.800	1597.200	1552.000	63.922
Daph. eggs	512.300	90.400	301.350	298.328
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	210.900	105.450	149.128
Synchaeta spp.	3525.900	3315.000	3420.450	149.128
Lecane spp.	0.000	90.400	45.200	63.922
Ascomorpha spp.	1416.400	994.500	1205.450	298.328
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	20372.200	19227.000	19799.600	809.778

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 04/25/88 TIME 1650

DEPTH 20-30 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	4023.200	3917.700	3970.450	74.599
Cyc. copepodites	150.700	301.400	226.050	106.560
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	647.900	557.500	602.700	63.922
Cyc. bicuspidatus (f)	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	195.900	45.200	120.550	106.560
Diap. ashlandi (m)	0.000	105.500	52.750	74.599
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	406.800	203.400	287.651
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	45.200	22.600	31.961
Daph. pulex (juv)	150.700	105.500	128.100	31.961
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	346.600	173.300	245.083
Lecane spp.	0.000	0.000	0.000	0.000
Ascomorpha spp.	0.000	45.200	22.600	31.961
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	5168.400	5469.800	5319.100	213.121

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 04/25/88 TIME 1650

DEPTH 30-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	2704.700	2343.100	2523.900	255.689
Cyc. copepodites	7.500	15.100	11.300	5.374
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	188.300	45.200	116.750	101.186
Cyc. bicuspidatus (f)	0.000	15.100	7.550	10.677
Cyc. bicuspidatus (m)	7.500	0.000	3.750	5.303
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	60.300	37.700	49.000	15.980
Diap. ashlandi (m)	22.600	15.100	18.850	5.303
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	7.500	0.000	3.750	5.303
Daph. pulex (juv)	0.000	7.500	3.750	5.303
Daph. eggs	15.000	0.000	7.500	10.606
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	30.100	0.000	15.050	21.283
Lecane spp.	7.500	0.000	3.750	5.303
Collotheca spp.	52.700	45.200	48.950	5.303
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	3088.700	2524.000	2806.350	399.303

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 04/25/88 TIME 1650

DEPTH 40-50 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	851.300	595.200	723.250	181.090
Cyc. copepodites	7.500	30.100	18.800	15.980
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	67.800	37.700	52.750	21.283
Cyc. bicuspidatus (f)	7.500	0.000	3.750	5.303
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	15.000	22.600	18.800	5.374
Diap. ashlandi (m)	0.000	7.500	3.750	5.303
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	7.500	3.750	5.303
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	52.700	26.350	37.264
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	30.100	15.000	22.550	10.677
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	22.000	30.100	26.050	5.727
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	1001.200	745.700	873.450	180.665

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 04/25/88 TIME 1650

DEPTH 50-75 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	131.300	116.200	123.750	10.677
Cyc. copepodites	4.300	4.300	4.300	0.000
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	23.700	38.700	31.200	10.606
Cyc. bicuspidatus (f)	0.000	2.100	1.050	1.484
Cyc. bicuspidatus (m)	4.300	2.100	3.200	1.555
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	15.100	21.500	18.300	4.525
Diap. ashlandi (m)	12.900	8.600	10.750	3.040
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	2.100	4.300	3.200	1.555
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	4.300	2.150	3.040
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	4.300	2.100	3.200	1.555
Daph. pulex (juv)	4.300	0.000	2.150	3.040
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	4.300	2.150	3.040
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	4.300	0.000	2.150	3.040
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	19.400	6.500	12.950	9.121
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	2.100	1.050	1.484
TOTAL ZOOPLANKTON	226.000	212.800	219.400	9.333

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 04/25/88 TIME 1650

DEPTH 75-100 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	60.300	69.300	64.800	6.363
Cyc. copepodites	6.000	3.000	4.500	2.121
Meso. copepodites	0.000	3.000	1.500	2.121
Diap. copepodites	9.000	18.100	13.550	6.434
Cyc. bicuspidatus (f)	3.000	0.000	1.500	2.121
Cyc. bicuspidatus (m)	3.000	6.000	4.500	2.121
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	3.000	6.000	4.500	2.121
Diap. ashlandi (m)	0.000	3.000	1.500	2.121
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	3.000	1.500	2.121
Daph. pulex (juv)	3.000	6.000	4.500	2.121
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	6.000	6.000	6.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	93.300	123.400	108.350	21.283

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW04
DATE 04/25/88 TIME 1515

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	26746.000	22602.300	24674.150	2930.038
Cyc. copepodites	753.400	527.400	640.400	159.806
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	12280.600	12581.900	12431.250	213.051
Cyc. bicuspidatus (f)	0.000	226.000	113.000	159.806
Cyc. bicuspidatus (m)	0.000	226.000	113.000	159.806
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	7308.100	4294.400	5801.250	2131.007
Diap. ashlandi (m)	979.400	226.000	602.700	532.734
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	2260.200	0.000	1130.100	1598.202
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	2260.200	3239.700	2749.950	692.611
Daph. pulex (juv)	527.400	1280.800	904.100	532.734
Daph. eggs	1732.800	1506.800	1619.800	159.806
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	527.400	753.400	640.400	159.806
Synchaeta spp.	1506.800	1506.800	1506.800	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Ascomorpha spp.	527.400	979.400	753.400	319.612
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	53416.700	48444.100	50930.400	3516.159

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW04
DATE 04/25/88 TIME 1515

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	16665.400	14254.500	15459.950	1704.763
Cyc. copepodites	90.400	301.400	195.900	149.199
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	3525.900	2501.300	3013.600	724.501
Cyc. bicuspidatus (f)	602.700	90.400	346.550	362.250
Cyc. bicuspidatus (m)	90.400	90.400	90.400	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	693.100	904.100	798.600	149.199
Diap. ashlandi (m)	210.900	391.800	301.350	127.915
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	1416.400	0.000	708.200	1001.546
Calanoid eggs	693.100	0.000	346.550	490.095
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	693.100	602.700	647.900	63.922
Daph. pulex (juv)	602.700	1416.400	1009.550	575.372
Daph. eggs	0.000	90.400	45.200	63.922
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	90.400	0.000	45.200	63.922
Polyarthra spp.	301.400	90.400	195.900	149.199
Synchaeta spp.	391.800	693.100	542.450	213.051
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	23958.200	21336.500	22647.350	1853.821

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW04
DATE 04/25/88 TIME 1515

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	3917.700	4166.300	4042.000	175.786
Cyc. copepodites	0.000	0.000	0.000	0.000
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	429.400	376.700	403.050	37.264
Cyc. bicuspidatus (f)	52.700	97.900	75.300	31.961
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	52.700	128.100	90.400	53.315
Diap. ashlandi (m)	75.300	22.600	48.950	37.264
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	173.300	86.650	122.541
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	75.300	0.000	37.650	53.245
Daph. pulex (juv)	52.700	52.700	52.700	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	22.600	11.300	15.980
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	75.300	0.000	37.650	53.245
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	22.600	0.000	11.300	15.980
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	4753.700	4866.900	4810.300	80.044

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW04
DATE 04/25/88 TIME 1515

DEPTH 40-75 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	2481.800	1444.800	1963.300	733.269
Cyc. copepodites	62.000	0.000	31.000	43.840
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	292.500	239.300	265.900	37.618
Cyc. bicuspidatus (f)	26.600	0.000	13.300	18.809
Cyc. bicuspidatus (m)	88.600	0.000	44.300	62.649
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	150.700	88.600	119.650	43.911
Diap. ashlandi (m)	62.000	62.000	62.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	26.600	0.000	13.300	18.809
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	26.600	13.300	18.809
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	26.600	0.000	13.300	18.809
Daph. pulex (juv)	62.000	0.000	31.000	43.840
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	88.600	0.000	44.300	62.649
Synchaeta spp.	26.600	26.600	26.600	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	26.600	13.300	18.809
TOTAL ZOOPLANKTON	3394.600	1887.900	2641.250	1065.397

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW05
DATE 04/26/88 TIME 800

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	13471.000	12566.900	13018.950	639.295
Cyc. copepodites	602.700	602.700	602.700	0.000
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	6419.000	5725.900	6072.450	490.095
Cyc. bicuspidatus (f)	90.400	0.000	45.200	63.922
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	2320.500	3224.600	2772.550	639.295
Diap. ashlandi (m)	1295.900	904.100	1100.000	277.044
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	2621.900	0.000	1310.950	1853.963
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	904.100	1205.400	1054.750	213.051
Daph. pulex (juv)	1295.900	1416.400	1356.150	85.206
Daph. eggs	90.400	90.400	90.400	0.000
Bos. longirostris	90.400	0.000	45.200	63.922
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	3013.600	1808.200	2410.900	852.346
Synchaeta spp.	2501.300	813.700	1657.500	1193.313
Lecane spp.	0.000	0.000	0.000	0.000
Ascomorpha spp.	1627.400	301.400	964.400	937.623
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	33632.200	28569.300	31100.750	3580.010

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW05
DATE 04/26/88 TIME 800

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	18985.900	17268.100	18127.000	1214.668
Cyc. copepodites	602.700	0.000	301.350	426.173
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	3827.300	4610.900	4219.100	554.088
Cyc. bicuspidatus (f)	210.900	0.000	105.450	149.128
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	1717.800	1205.400	1461.600	362.321
Diap. ashlandi (m)	693.100	602.700	647.900	63.922
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	1295.900	813.700	1054.800	340.966
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	1205.400	1205.400	1205.400	0.000
Daph. pulex (juv)	602.700	813.700	708.200	149.199
Daph. eggs	391.800	210.900	301.350	127.915
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	1717.800	1115.000	1416.400	426.243
Synchaeta spp.	210.900	210.900	210.900	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	29774.500	27032.100	28403.300	1939.169

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW05
DATE 04/26/88 TIME 800

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	5273.900	5198.500	5236.200	53.315
Cyc. copepodites	226.000	150.700	188.350	53.245
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	376.700	527.400	452.050	106.560
Cyc. bicuspidatus (f)	150.700	22.600	86.650	90.580
Cyc. bicuspidatus (m)	22.600	22.600	22.600	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	301.400	150.700	226.050	106.560
Diap. ashlandi (m)	128.100	150.700	139.400	15.980
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	474.600	0.000	237.300	335.592
Calanoid eggs	128.100	150.700	139.400	15.980
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	22.600	0.000	11.300	15.980
Daph. pulex (juv)	75.300	52.700	64.000	15.980
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	75.300	37.650	53.245
Synchaeta spp.	75.300	52.700	64.000	15.980
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	150.700	97.900	124.300	37.335
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	6803.300	6501.800	6652.550	213.192

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW05
DATE 04/26/88 TIME 800

DEPTH 40-75 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	1463.800	1377.700	1420.750	60.881
Cyc. copepodites	56.000	99.000	77.500	30.405
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	30.100	99.000	64.550	48.719
Cyc. bicuspidatus (f)	43.000	43.000	43.000	0.000
Cyc. bicuspidatus (m)	12.900	0.000	6.450	9.121
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	86.100	73.200	79.650	9.121
Diap. ashlandi (m)	30.100	12.900	21.500	12.162
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	73.200	36.600	51.760
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	43.000	0.000	21.500	30.405
Daph. pulex (juv)	30.100	12.900	21.500	12.162
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	30.100	15.050	21.283
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	73.200	30.100	51.650	30.476
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	60.300	30.100	45.200	21.354
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	1928.600	1808.000	1868.300	85.277

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW06
DATE 04/26/88 TIME 1030

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	20116.000	28403.500	24259.750	5860.147
Cyc. copepodites	1732.800	979.400	1356.100	532.734
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	3541.000	7534.100	5537.550	2823.548
Cyc. bicuspidatus (f)	753.400	753.400	753.400	0.000
Cyc. bicuspidatus (m)	226.000	0.000	113.000	159.806
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	6780.700	6780.700	6780.700	0.000
Diap. ashlandi (m)	1506.800	1506.800	1506.800	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	1280.800	2034.200	1657.500	532.734
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	4294.400	5499.900	4897.150	852.417
Daph. pulex (ad)	3767.000	6027.300	4897.150	1598.273
Daph. pulex (juv)	1280.800	2034.200	1657.500	532.734
Daph. eggs	1506.800	2260.200	1883.500	532.734
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	1506.800	2486.200	1996.500	692.540
Synchaeta spp.	226.000	527.400	376.700	213.121
Lecane spp.	226.000	0.000	113.000	159.806
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	45957.700	62532.900	54245.300	11720.436

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW06
DATE 04/26/88 TIME 1030

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	15087.000	15087.000	15087.000	0.000
Cyc. copepodites	1525.600	395.500	960.550	799.101
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	2429.700	2090.700	2260.200	239.709
Cyc. bicuspidatus (f)	734.600	169.500	452.050	399.586
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	3390.300	3955.400	3672.850	399.586
Diap. ashlandi (m)	1130.100	734.600	932.350	279.660
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	1130.100	565.050	799.101
Calanoid eggs	1299.600	0.000	649.800	918.955
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	2655.800	960.600	1808.200	1198.687
Daph. pulex (ad)	2260.200	2825.300	2542.750	399.586
Daph. pulex (juv)	565.100	1130.100	847.600	399.515
Daph. eggs	565.100	0.000	282.550	399.586
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	169.500	565.100	367.300	279.731
Synchaeta spp.	0.000	169.500	84.750	119.854
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	29947.900	28083.300	29015.600	1318.471

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW06
DATE 04/26/88 TIME 1030

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	7940.900	7730.000	7835.450	149.128
Cyc. copepodites	406.800	301.400	354.100	74.529
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	452.000	647.900	549.950	138.522
Cyc. bicuspidatus (f)	256.200	0.000	128.100	181.160
Cyc. bicuspidatus (m)	45.200	45.200	45.200	0.000
Meso. edax (f)	45.200	45.200	45.200	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	647.900	452.000	549.950	138.522
Diap. ashlandi (m)	150.700	45.200	97.950	74.599
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	1009.600	0.000	504.800	713.895
Calanoid eggs	0.000	346.600	173.300	245.083
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	45.200	45.200	45.200	0.000
Daph. pulex (ad)	557.500	647.900	602.700	63.922
Daph. pulex (juv)	346.600	346.600	346.600	0.000
Daph. eggs	105.500	346.600	226.050	170.483
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	45.200	45.200	45.200	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	45.200	0.000	22.600	31.961
Collotheca spp.	45.200	0.000	22.600	31.961
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	11029.800	10351.800	10690.800	479.418

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW06
DATE 04/26/88 TIME 1030

DEPTH 40-70 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	1406.400	1707.700	1557.050	213.051
Cyc. copepodites	271.200	30.100	150.650	170.483
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	70.300	231.000	150.650	113.632
Cyc. bicuspidatus (f)	271.200	0.000	135.600	191.767
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	200.900	231.000	215.950	21.283
Diap. ashlandi (m)	100.400	100.400	100.400	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	974.400	0.000	487.200	689.004
Calanoid eggs	0.000	200.900	100.450	142.057
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	231.000	130.600	180.800	70.993
Daph. pulex (juv)	170.800	100.400	135.600	49.780
Daph. eggs	100.400	0.000	50.200	70.993
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	30.100	15.050	21.283
Polyarthra spp.	0.000	30.100	15.050	21.283
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	30.100	0.000	15.050	21.283
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	2752.300	2591.400	2671.850	113.773

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 06/28/88 TIME 1800

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	21607.780	19498.230	20553.005	1491.677
Cyc. copepodites	2802.680	3013.640	2908.160	149.171
Meso. copepodites	693.140	693.140	693.140	0.000
Diap. copepodites	994.500	1506.820	1250.660	362.264
Cyc. bicuspidatus (f)	301.360	210.950	256.155	63.929
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	90.410	210.950	150.680	85.234
Meso. edax (m)	602.730	512.320	557.525	63.929
Diap. ashlandi (f)	301.360	602.730	452.045	213.100
Diap. ashlandi (m)	301.360	813.680	557.520	362.264
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	994.500	497.250	703.217
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	90.410	45.205	63.929
Daph. pulex (ad)	1295.860	813.680	1054.770	340.952
Daph. pulex (juv)	602.730	512.320	557.525	63.929
Daph. eggs	90.410	0.000	45.205	63.929
Bos. longirostris	602.730	210.950	406.840	277.030
Bosmina eggs	301.360	90.410	195.885	149.164
Misc. Cladocera	90.410	90.410	90.410	0.000
Polyarthra spp.	5424.550	6238.230	5831.390	575.358
Synchaeta spp.	602.730	210.950	406.840	277.030
Lecane spp.	0.000	0.000	0.000	0.000
Ascomorpha spp.	0.000	90.410	45.205	63.929
Collotheca spp.	8136.820	5725.910	6931.365	1704.770
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	44451.150	41045.730	42748.440	2407.995

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 06/28/88 TIME 1800

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	9877.190	11820.990	10849.090	1374.474
Cyc. copepodites	519.850	745.860	632.855	159.813
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	1356.140	1808.180	1582.160	319.640
Cyc. bicuspidatus (f)	384.240	745.880	565.060	255.718
Cyc. bicuspidatus (m)	0.000	384.240	192.120	271.698
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	226.020	158.220	192.120	47.941
Diap. ashlandi (m)	293.830	67.810	180.820	159.820
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	1356.140	1875.990	1616.065	367.589
Calanoid eggs	0.000	293.830	146.915	207.769
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	67.810	0.000	33.905	47.948
Daph. pulex (ad)	293.830	226.020	259.925	47.948
Daph. pulex (juv)	158.220	158.220	158.220	0.000
Daph. eggs	158.220	0.000	79.110	111.878
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	67.810	33.905	47.948
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	293.830	293.830	293.830	0.000
Misc. Rotifers	158.220	0.000	79.110	111.878
TOTAL ZOOPLANKTON	13629.180	16477.060	15053.120	2013.755

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 06/28/88 TIME 1800

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	4121.150	3669.100	3895.125	319.647
Cyc. copepodites	278.760	150.680	214.720	90.566
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	730.810	655.470	693.140	53.273
Cyc. bicuspidatus (f)	429.440	602.730	516.085	122.534
Cyc. bicuspidatus (m)	97.940	203.420	150.680	74.585
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	97.940	75.340	86.640	15.980
Diap. ashlandi (m)	52.730	22.600	37.665	21.305
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	474.650	3864.990	2169.820	2397.332
Calanoid eggs	429.440	376.700	403.070	37.292
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	22.600	52.730	37.665	21.305
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	75.340	37.670	53.273
Synchaeta spp.	150.680	323.970	237.325	122.534
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	52.730	75.340	64.035	15.987
Misc. Rotifers	22.600	0.000	11.300	15.980
TOTAL ZOOPLANKTON	6057.380	5906.720	5982.050	106.532

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 06/28/88 TIME 1800

DEPTH 40-75 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	546.760	559.680	553.220	9.135
Cyc. copepodites	55.970	12.910	34.440	30.448
Meso. copepodites	12.910	12.910	12.910	0.000
Diap. copepodites	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (f)	0.000	30.140	15.070	21.312
Cyc. bicuspidatus (m)	30.140	0.000	15.070	21.312
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	0.000	30.140	15.070	21.312
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	99.020	49.510	70.017
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	12.910	6.455	9.128
Polyarthra spp.	12.910	43.050	27.980	21.312
Synchaeta spp.	99.020	43.050	71.035	39.576
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	30.140	12.910	21.525	12.183
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	787.850	757.700	772.775	21.319

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW01
DATE 06/28/88 TIME 1800

DEPTH 75-100 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	53.340	76.250	64.795	16.199
Cyc. copepodites	3.010	15.070	9.040	8.527
Meso. copepodites	0.000	0.900	0.450	0.636
Diap. copepodites	3.920	3.010	3.465	0.643
Cyc. bicuspidatus (f)	8.140	6.030	7.085	1.491
Cyc. bicuspidatus (m)	6.930	0.900	3.915	4.263
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	0.000	0.900	0.450	0.636
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	12.050	6.025	8.520
Calanoid eggs	0.000	6.030	3.015	4.263
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	2.110	0.900	1.505	0.855
Daph. pulex (juv)	0.000	0.900	0.450	0.636
Daph. eggs	2.110	0.000	1.055	1.491
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	2.110	0.000	1.055	1.491
Synchaeta spp.	5.120	6.030	5.575	0.643
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	84.680	110.890	97.785	18.533

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 06/28/88 TIME 1530

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	18383.180	16062.680	17222.930	1640.841
Cyc. copepodites	2320.500	1597.230	1958.865	511.429
Meso. copepodites	301.360	0.000	150.680	213.093
Diap. copepodites	1717.770	1115.050	1416.410	426.187
Cyc. bicuspidatus (f)	391.770	90.410	241.090	213.093
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	90.410	301.360	195.885	149.164
Meso. edax (m)	90.410	210.950	150.680	85.234
Diap. ashlandi (f)	301.360	813.680	557.520	362.264
Diap. ashlandi (m)	301.360	90.410	195.885	149.164
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	90.410	45.205	63.929
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	90.410	90.410	90.410	0.000
Daph. galeata (juv)	90.410	0.000	45.205	63.929
Daph. pulex (ad)	693.140	693.140	693.140	0.000
Daph. pulex (juv)	813.680	813.680	813.680	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	90.140	512.320	301.230	298.526
Bosmina eggs	0.000	210.950	105.475	149.164
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	1597.230	3315.000	2456.115	1214.646
Synchaeta spp.	0.000	90.410	45.205	63.929
Collotheca spp.	2320.500	2410.910	2365.705	63.929
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	29593.630	28298.050	28945.840	916.113

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 06/28/88 TIME 1530

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	10555.260	11459.350	11007.305	639.288
Cyc. copepodites	452.050	904.090	678.070	319.640
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	1423.940	2102.100	1763.020	479.531
Cyc. bicuspidatus (f)	384.240	158.220	271.230	159.820
Cyc. bicuspidatus (m)	67.810	67.810	67.810	0.000
Meso. edax (f)	67.810	158.220	113.015	63.929
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	226.020	452.050	339.035	159.827
Diap. ashlandi (m)	67.810	226.020	146.915	111.871
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	2554.060	0.000	1277.030	1805.993
Calanoid eggs	0.000	226.020	113.010	159.820
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	226.020	158.220	192.120	47.941
Daph. pulex (juv)	519.850	158.220	339.035	255.711
Daph. eggs	158.220	0.000	79.110	111.878
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	67.810	0.000	33.905	47.948
Synchaeta spp.	579.850	158.220	369.035	298.137
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	226.020	0.000	113.010	159.820
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	14864.490	16002.520	15433.505	804.708

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 06/28/88 TIME 1530

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	2564.360	2678.370	2621.365	80.617
Cyc. copepodites	259.930	418.140	339.035	111.871
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	1051.010	485.950	768.480	399.557
Cyc. bicuspidatus (f)	452.050	259.930	355.990	135.849
Cyc. bicuspidatus (m)	33.900	33.900	33.900	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	79.120	79.120	79.120	0.000
Diap. ashlandi (m)	33.900	33.900	33.900	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	79.120	33.900	56.510	31.975
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	452.050	485.950	469.000	23.970
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	5005.440	4509.160	4757.300	350.922

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 06/28/88 TIME 1530

DEPTH 40-75 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	188.780	83.310	136.045	74.578
Cyc. copepodites	12.270	4.310	8.290	5.628
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	9.260	4.950	7.105	3.047
Cyc. bicuspidatus (f)	6.890	4.950	5.920	1.371
Cyc. bicuspidatus (m)	12.270	1.510	6.890	7.608
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.650	0.325	0.459
Diap. ashlandi (f)	1.510	1.510	1.510	0.000
Diap. ashlandi (m)	2.150	0.000	1.075	1.520
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	15.710	7.855	11.108
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.650	2.790	1.720	1.513
Daph. pulex (juv)	1.510	0.650	1.080	0.608
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	1.510	0.000	0.755	1.067
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	1.510	1.510	1.510	0.000
Synchaeta spp.	101.170	29.490	65.330	50.685
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	2.790	2.790	2.790	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	342.270	138.420	240.345	144.143

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW02
DATE 06/28/88 TIME 1530

DEPTH 75-100 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	29.230	41.290	35.260	8.527
Cyc. copepodites	2.110	3.010	2.560	0.636
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	2.110	3.920	3.015	1.279
Cyc. bicuspidatus (f)	0.000	0.900	0.450	0.636
Cyc. bicuspidatus (m)	0.000	0.900	0.450	0.636
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	2.110	0.000	1.055	1.491
Diap. ashlandi (m)	0.000	2.110	1.055	1.491
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	2.110	2.110	2.110	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.900	0.000	0.450	0.636
Synchaeta spp.	6.930	0.000	3.465	4.900
Lecane spp.	0.900	0.000	0.450	0.636
Collotheca spp.	0.900	0.000	0.450	0.636
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	47.300	54.240	50.770	4.907

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 06/28/88 TIME 1230

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	4128.680	3315.000	3721.840	575.358
Cyc. copepodites	512.320	512.320	512.320	0.000
Meso. copepodites	994.500	904.090	949.295	63.929
Diap. copepodites	1115.050	1115.050	1115.050	0.000
Cyc. bicuspidatus (f)	90.410	90.410	90.410	0.000
Cyc. bicuspidatus (m)	0.000	90.410	45.205	63.929
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	391.770	301.360	346.565	63.929
Diap. ashlandi (f)	512.320	512.320	512.320	0.000
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	90.410	45.205	63.929
Cyclopoid eggs	813.680	0.000	406.840	575.358
Calanoid eggs	0.000	391.770	195.885	277.023
Daph. galeata (ad)	210.950	0.000	105.475	149.164
Daph. galeata (juv)	90.410	90.410	90.410	0.000
Daph. pulex (ad)	210.950	0.000	105.475	149.164
Daph. pulex (juv)	301.360	301.360	301.360	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	210.950	0.000	105.475	149.164
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	301.360	391.770	346.565	63.929
Synchaeta spp.	90.410	0.000	45.205	63.929
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	9161.440	7714.910	8438.175	1022.851

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 06/28/88 TIME 1230

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	4362.240	4136.220	4249.230	159.820
Cyc. copepodites	384.230	971.890	678.060	415.538
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	2260.230	1966.390	2113.310	207.776
Cyc. bicuspidatus (f)	226.020	452.050	339.035	159.827
Cyc. bicuspidatus (m)	67.810	0.000	33.905	47.948
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	384.240	158.220	271.230	159.820
Diap. ashlandi (m)	384.240	158.220	271.230	159.820
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	519.850	1514.350	1017.100	703.217
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	67.810	67.810	67.810	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	67.810	0.000	33.905	47.948
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	226.020	158.220	192.120	47.941
Synchaeta spp.	158.220	0.000	79.110	111.878
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	293.830	0.000	146.915	207.769
Misc. Rotifers	67.810	0.000	33.905	47.948
TOTAL ZOOPLANKTON	8950.510	8069.020	8509.765	623.307

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 06/28/88 TIME 1230

DEPTH 20-30 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	2154.750	904.090	1529.420	884.350
Cyc. copepodites	256.160	301.360	278.760	31.961
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	497.250	452.050	474.650	31.961
Cyc. bicuspidatus (f)	557.520	497.250	527.385	42.617
Cyc. bicuspidatus (m)	45.200	301.360	173.280	181.132
Meso. edax (f)	45.200	0.000	22.600	31.961
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	256.160	0.000	128.080	181.132
Diap. ashlandi (m)	105.480	105.480	105.480	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	3767.050	1356.140	2561.595	1704.770
Calanoid eggs	105.480	0.000	52.740	74.585
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	45.200	45.200	45.200	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	45.200	22.600	31.961
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	45.200	0.000	22.600	31.961
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	4008.120	2606.790	3307.455	990.889

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 06/28/88 TIME 1230

DEPTH 30-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	356.360	363.890	360.125	5.324
Cyc. copepodites	7.530	5.270	6.400	1.598
Meso. copepodites	0.000	7.530	3.765	5.324
Diap. copepodites	24.110	52.740	38.425	20.244
Cyc. bicuspidatus (f)	2.260	22.600	12.430	14.382
Cyc. bicuspidatus (m)	0.000	5.270	2.635	3.726
Meso. edax (f)	0.000	2.260	1.130	1.598
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	15.070	17.330	16.200	1.598
Diap. ashlandi (m)	15.070	12.810	13.940	1.598
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	22.600	24.860	23.730	1.598
Calanoid eggs	22.600	17.330	19.965	3.726
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	2.260	0.000	1.130	1.598
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	2.260	1.130	1.598
Polyarthra spp.	5.270	0.000	2.635	3.726
Synchaeta spp.	2.260	7.530	4.895	3.726
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	0.000	2.260	1.130	1.598
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	430.190	501.750	465.970	50.600

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 06/28/88 TIME 1230

DEPTH 40-50 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	135.610	143.150	139.380	5.331
Cyc. copepodites	2.260	5.270	3.765	2.128
Meso. copepodites	0.000	5.270	2.635	3.726
Diap. copepodites	9.790	15.070	12.430	3.733
Cyc. bicuspidatus (f)	2.260	5.270	3.765	2.128
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	2.260	1.130	1.598
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	0.000	5.270	2.635	3.726
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	2.260	1.130	1.598
Synchaeta spp.	2.260	5.270	3.765	2.128
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	0.000	2.260	1.130	1.598
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	152.180	191.350	171.765	27.697

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 06/28/88 TIME 1230

DEPTH 50-75 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	72.330	62.380	67.355	7.035
Cyc. copepodites	2.110	2.110	2.110	0.000
Meso. copepodites	9.640	2.110	5.875	5.324
Diap. copepodites	15.070	6.930	11.000	5.755
Cyc. bicuspidatus (f)	3.920	3.010	3.465	0.643
Cyc. bicuspidatus (m)	0.900	0.900	0.900	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.900	0.000	0.450	0.636
Diap. ashlandi (f)	6.020	3.010	4.515	2.128
Diap. ashlandi (m)	3.010	0.900	1.955	1.491
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.900	0.900	0.900	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.900	0.900	0.900	0.000
Synchaeta spp.	2.110	0.000	1.055	1.491
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	0.000	2.110	1.055	1.491
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	117.810	85.260	101.535	23.016

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW03
DATE 06/28/88 TIME 1230

DEPTH 75-100 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	72.330	50.330	61.330	15.556
Cyc. copepodites	29.230	3.010	16.120	18.540
Meso. copepodites	15.970	6.020	10.995	7.035
Diap. copepodites	30.140	5.120	17.630	17.691
Cyc. bicuspidatus (f)	2.110	0.900	1.505	0.855
Cyc. bicuspidatus (m)	0.000	2.110	1.055	1.491
Meso. edax (f)	0.900	3.010	1.955	1.491
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	2.110	0.900	1.505	0.855
Diap. ashlandi (m)	3.010	0.900	1.955	1.491
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	17.120	0.000	8.560	12.105
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.900	0.450	0.636
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.900	0.450	0.636
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.900	0.450	0.636
Polyarthra spp.	2.110	2.110	2.110	0.000
Synchaeta spp.	2.110	0.900	1.505	0.855
Lecane spp.	0.000	0.000	0.000	0.000
Ascomorpha spp.	0.000	0.900	0.450	0.636
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	160.020	78.910	119.465	57.353

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW04
DATE 06/28/88 TIME 1100

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	4023.210	2516.390	3269.800	1065.482
Cyc. copepodites	301.360	406.840	354.100	74.585
Meso. copepodites	0.000	45.200	22.600	31.961
Diap. copepodites	949.290	557.520	753.405	277.023
Cyc. bicuspidatus (f)	346.570	105.480	226.025	170.476
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	150.680	0.000	75.340	106.546
Meso. edax (m)	0.000	45.200	22.600	31.961
Diap. ashlandi (f)	45.200	45.200	45.200	0.000
Diap. ashlandi (m)	45.200	105.480	75.340	42.624
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	2215.020	406.840	1310.930	1278.576
Calanoid eggs	301.360	0.000	150.680	213.093
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	105.480	105.480	105.480	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	45.280	0.000	22.640	32.017
Polyarthra spp.	45.280	0.000	22.640	32.017
Synchaeta spp.	150.680	0.000	75.340	106.546
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	6208.230	3932.790	5070.510	1608.979

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW04
DATE 06/28/88 TIME 1100

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	1484.220	1228.060	1356.140	181.132
Cyc. copepodites	52.740	0.000	26.370	37.292
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	97.940	75.340	86.640	15.980
Cyc. bicuspidatus (f)	22.600	52.740	37.670	21.312
Cyc. bicuspidatus (m)	52.740	22.600	37.670	21.312
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	22.600	22.600	22.600	0.000
Diap. ashlandi (m)	0.000	52.740	26.370	37.292
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	527.390	203.420	365.405	229.081
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	75.340	0.000	37.670	53.273
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	22.600	0.000	11.300	15.980
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	52.740	52.740	52.740	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	1883.520	1506.820	1695.170	266.367

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW04
DATE 06/28/88 TIME 1100

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	3164.320	3322.530	3243.425	111.871
Cyc. copepodites	158.220	158.220	158.220	0.000
Meso. copepodites	1197.920	2034.200	1616.060	591.339
Diap. copepodites	1582.160	1197.920	1390.040	271.698
Cyc. bicuspidatus (f)	67.810	0.000	33.905	47.948
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	67.810	0.000	33.905	47.948
Meso. edax (m)	384.240	158.220	271.230	159.820
Diap. ashlandi (f)	293.830	618.260	456.045	229.406
Diap. ashlandi (m)	226.020	384.240	305.130	111.878
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	1130.110	0.000	565.055	799.108
Daph. galeata (ad)	67.810	0.000	33.905	47.948
Daph. galeata (juv)	67.810	0.000	33.905	47.948
Daph. pulex (ad)	67.810	0.000	33.905	47.948
Daph. pulex (juv)	452.050	618.260	535.155	117.528
Daph. eggs	0.000	158.220	79.110	111.878
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	67.810	67.810	67.810	0.000
Synchaeta spp.	67.810	0.000	33.905	47.948
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	7933.430	8559.660	8246.545	442.811

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW04
DATE 06/28/88 TIME 1100

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	4023.210	2516.390	3269.800	1065.482
Cyc. copepodites	301.360	406.840	354.100	74.585
Meso. copepodites	0.000	45.200	22.600	31.961
Diap. copepodites	949.290	557.520	753.405	277.023
Cyc. bicuspidatus (f)	346.570	105.480	226.025	170.476
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	150.680	0.000	75.340	106.546
Meso. edax (m)	0.000	45.200	22.600	31.961
Diap. ashlandi (f)	45.200	45.200	45.200	0.000
Diap. ashlandi (m)	45.200	105.480	75.340	42.624
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	2215.020	406.840	1310.930	1278.576
Calanoid eggs	301.360	0.000	150.680	213.093
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	105.480	105.480	105.480	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	45.280	0.000	22.640	32.017
Polyarthra spp.	45.280	0.000	22.640	32.017
Synchaeta spp.	150.680	0.000	75.340	106.546
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	6208.230	3932.790	5070.510	1608.979

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW04
DATE 06/28/88 TIME 1100

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	1484.220	1228.060	1356.140	181.132
Cyc. copepodites	52.740	0.000	26.370	37.292
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	97.940	75.340	86.640	15.980
Cyc. bicuspidatus (f)	22.600	52.740	37.670	21.312
Cyc. bicuspidatus (m)	52.740	22.600	37.670	21.312
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	22.600	22.600	22.600	0.000
Diap. ashlandi (m)	0.000	52.740	26.370	37.292
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	527.390	203.420	365.405	229.081
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	75.340	0.000	37.670	53.273
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	22.600	0.000	11.300	15.980
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	52.740	52.740	52.740	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	1883.520	1506.820	1695.170	266.367

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW04
DATE 06/28/88 TIME 1100

DEPTH 40-65 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	153.690	120.550	137.120	23.433
Cyc. copepodites	0.900	2.110	1.505	0.855
Meso. copepodites	2.110	2.110	2.110	0.000
Diap. copepodites	2.110	6.930	4.520	3.408
Cyc. bicuspidatus (f)	8.140	2.110	5.125	4.263
Cyc. bicuspidatus (m)	0.900	0.000	0.450	0.636
Meso. edax (f)	0.000	0.900	0.450	0.636
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	2.110	3.010	2.560	0.636
Diap. ashlandi (m)	2.110	0.000	1.055	1.491
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.900	0.000	0.450	0.636
Daph. pulex (ad)	0.900	0.000	0.450	0.636
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.900	0.450	0.636
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	9.220	6.930	8.075	1.619
Polyarthra spp.	0.900	0.000	0.450	0.636
Synchaeta spp.	6.930	2.110	4.520	3.408
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	190.920	146.760	168.840	31.225

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW05
DATE 06/27/88 TIME 1900

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	9342.270	9432.680	9387.475	63.929
Cyc. copepodites	90.410	90.410	90.410	0.000
Meso. copepodites	813.680	904.090	858.885	63.929
Diap. copepodites	1115.050	301.360	708.205	575.365
Cyc. bicuspidatus (f)	0.000	90.410	45.205	63.929
Cyc. bicuspidatus (m)	0.000	90.410	45.205	63.929
Meso. edax (f)	210.950	512.320	361.635	213.100
Meso. edax (m)	391.770	391.770	391.770	0.000
Diap. ashlandi (f)	1115.050	693.140	904.095	298.335
Diap. ashlandi (m)	210.950	813.680	512.315	426.194
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	1506.820	753.410	1065.482
Daph. galeata (ad)	693.140	693.140	693.140	0.000
Daph. galeata (juv)	210.950	602.730	406.840	277.030
Daph. pulex (ad)	391.770	301.360	346.565	63.929
Daph. pulex (juv)	391.770	90.410	241.090	213.093
Daph. eggs	391.770	301.360	346.565	63.929
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	1295.860	1295.860	1295.860	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	90.410	0.000	45.205	63.929
Misc. Rotifers	90.410	90.410	90.410	0.000
TOTAL ZOOPLANKTON	16454.440	16394.180	16424.310	42.610

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW05
DATE 06/27/88 TIME 1900

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	2862.950	3013.640	2938.295	106.553
Cyc. copepodites	105.480	150.680	128.080	31.961
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	301.360	195.890	248.625	74.578
Cyc. bicuspidatus (f)	45.200	0.000	22.600	31.961
Cyc. bicuspidatus (m)	0.000	45.200	22.600	31.961
Meso. edax (f)	0.000	45.200	22.600	31.961
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	256.160	195.890	226.025	42.617
Diap. ashlandi (m)	0.000	45.200	22.600	31.961
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	45.200	22.600	31.961
Daph. galeata (juv)	0.000	0.000	0.000	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	45.200	22.600	31.961
Bos. longirostris	0.000	0.000	0.000	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	3571.150	3736.900	3654.025	117.202

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW05
DATE 06/27/88 TIME 1900

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	154.450	180.820	167.635	18.646
Cyc. copepodites	3.770	4.890	4.330	0.791
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	8.660	7.530	8.095	0.799
Cyc. bicuspidatus (f)	47.840	41.440	44.640	4.525
Cyc. bicuspidatus (m)	3.770	12.430	8.100	6.123
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	15.070	17.710	16.390	1.866
Diap. ashlandi (m)	4.890	2.640	3.765	1.590
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	1.130	0.000	0.565	0.799
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	125.440	110.370	117.905	10.656
Calanoid eggs	0.000	25.240	12.620	17.847
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.000	1.130	0.565	0.799
Daph. pulex (ad)	1.130	3.770	2.450	1.866
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	3.770	3.770	3.770	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	1.130	0.000	0.565	0.799
Misc. Rotifers	0.000	1.130	0.565	0.799
TOTAL ZOOPLANKTON	245.610	277.260	261.435	22.379

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW05
DATE 06/27/88 TIME 1900

DEPTH 40-75 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	100.530	48.860	74.695	36.536
Cyc. copepodites	2.150	0.650	1.400	1.060
Meso. copepodites	1.510	0.650	1.080	0.608
Diap. copepodites	2.790	0.650	1.720	1.513
Cyc. bicuspidatus (f)	14.420	0.650	7.535	9.736
Cyc. bicuspidatus (m)	2.150	1.510	1.830	0.452
Meso. edax (f)	0.650	0.000	0.325	0.459
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	2.150	3.660	2.905	1.067
Diap. ashlandi (m)	1.510	0.650	1.080	0.608
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	10.760	6.460	8.610	3.040
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	0.000	0.000	0.000
Daph. galeata (juv)	0.650	0.650	0.650	0.000
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	0.650	0.000	0.325	0.459
Daph. eggs	0.000	0.000	0.000	0.000
Bos. longirostris	1.510	1.510	1.510	0.000
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	2.150	0.000	1.075	1.520
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	0.000	0.000	0.000	0.000
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	0.000	0.000	0.000	0.000
TOTAL ZOOPLANKTON	132.820	59.440	96.130	51.887

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW06
DATE 06/27/88 TIME 1530

DEPTH 0-10 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	14073.680	14555.870	14314.775	340.959
Cyc. copepodites	602.730	512.320	557.525	63.929
Meso. copepodites	90.410	904.090	497.250	575.358
Diap. copepodites	301.360	813.680	557.520	362.264
Cyc. bicuspidatus (f)	0.000	0.000	0.000	0.000
Cyc. bicuspidatus (m)	90.410	0.000	45.205	63.929
Meso. edax (f)	391.770	0.000	195.885	277.023
Meso. edax (m)	210.950	391.770	301.360	127.859
Diap. ashlandi (f)	210.950	210.950	210.950	0.000
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	90.410	0.000	45.205	63.929
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	0.000	0.000	0.000
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	210.950	813.680	512.315	426.194
Daph. galeata (juv)	4430.050	4731.410	4580.730	213.093
Daph. pulex (ad)	0.000	0.000	0.000	0.000
Daph. pulex (juv)	90.410	90.410	90.410	0.000
Daph. eggs	693.140	904.090	798.615	149.164
Bos. longirostris	391.770	90.410	241.090	213.093
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	90.410	602.730	346.570	362.264
Polyarthra spp.	602.730	0.000	301.365	426.194
Synchaeta spp.	4219.090	512.320	2365.705	2621.082
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	2591.730	3314.990	2953.360	511.422
TOTAL ZOOPLANKTON	28689.810	27544.630	28117.220	809.764

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW06
DATE 06/27/88 TIME 1530

DEPTH 10-20 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	1401.340	1310.930	1356.135	63.929
Cyc. copepodites	0.000	105.480	52.740	74.585
Meso. copepodites	0.000	0.000	0.000	0.000
Diap. copepodites	105.480	0.000	52.740	74.585
Cyc. bicuspidatus (f)	105.480	0.000	52.740	74.585
Cyc. bicuspidatus (m)	0.000	0.000	0.000	0.000
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	0.000	0.000	0.000	0.000
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	1160.250	0.000	580.125	820.420
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	105.480	0.000	52.740	74.585
Daph. galeata (juv)	45.200	256.160	150.680	149.171
Daph. pulex (ad)	150.680	150.680	150.680	0.000
Daph. pulex (juv)	0.000	105.480	52.740	74.585
Daph. eggs	195.890	753.410	474.650	394.226
Bos. longirostris	45.200	150.680	97.940	74.585
Bosmina eggs	0.000	150.680	75.340	106.546
Misc. Cladocera	0.000	0.000	0.000	0.000
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	45.200	0.000	22.600	31.961
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	0.000	45.200	22.600	31.961
Misc. Rotifers	45.200	195.890	120.545	106.553
TOTAL ZOOPLANKTON	2049.260	2320.500	2184.880	191.795

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW06
DATE 06/27/88 TIME 1530

DEPTH 20-40 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	100.580	113.010	106.795	8.789
Cyc. copepodites	3.770	2.640	3.205	0.799
Meso. copepodites	1.130	2.640	1.885	1.067
Diap. copepodites	1.130	0.000	0.565	0.799
Cyc. bicuspidatus (f)	7.530	6.400	6.965	0.799
Cyc. bicuspidatus (m)	0.000	7.530	3.765	5.324
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	3.770	0.000	1.885	2.665
Diap. ashlandi (f)	0.000	1.130	0.565	0.799
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.000	0.000	0.000	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	26.370	13.185	18.646
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	3.770	1.130	2.450	1.866
Daph. galeata (juv)	3.770	4.890	4.330	0.791
Daph. pulex (ad)	1.130	1.130	1.130	0.000
Daph. pulex (juv)	0.000	0.000	0.000	0.000
Daph. eggs	0.000	3.770	1.885	2.665
Bos. longirostris	4.890	4.890	4.890	0.000
Bosmina eggs	1.130	1.130	1.130	0.000
Misc. Cladocera	1.130	0.000	0.565	0.799
Misc. Cladocera	2.260	0.000	1.130	1.598
Polyarthra spp.	1.130	3.770	2.450	1.866
Synchaeta spp.	0.000	1.130	0.565	0.799
Lecane spp.	0.000	0.000	0.000	0.000
Misc. Rotifers	4.900	13.940	9.420	6.392
TOTAL ZOOPLANKTON	140.890	164.230	152.560	16.503

ZOOPLANKTON MEASUREMENTS

LAKE POWELL STATION PW06
DATE 06/27/88 TIME 1530

DEPTH 40-70 METERS

	Rep. A N/m3	Rep. B N/m3	MEAN N/m3	STND DEV
Nauplii	140.640	161.480	151.060	14.736
Cyc. copepodites	0.750	4.270	2.510	2.489
Meso. copepodites	0.000	2.510	1.255	1.774
Diap. copepodites	0.000	3.260	1.630	2.305
Cyc. bicuspidatus (f)	1.760	1.760	1.760	0.000
Cyc. bicuspidatus (m)	0.000	1.760	0.880	1.244
Meso. edax (f)	0.000	0.000	0.000	0.000
Meso. edax (m)	0.000	0.000	0.000	0.000
Diap. ashlandi (f)	0.000	0.000	0.000	0.000
Diap. ashlandi (m)	0.000	0.000	0.000	0.000
Diap. reighardi (f)	0.000	0.000	0.000	0.000
Diap. reighardi (m)	0.000	0.000	0.000	0.000
Diap. siciloides (f)	0.000	0.000	0.000	0.000
Diap. siciloides (m)	0.000	0.000	0.000	0.000
Misc. Copepods (f)	0.750	0.750	0.750	0.000
Misc. Copepods (m)	0.000	0.000	0.000	0.000
Cyclopoid eggs	0.000	15.070	7.535	10.656
Calanoid eggs	0.000	0.000	0.000	0.000
Daph. galeata (ad)	0.000	5.780	2.890	4.087
Daph. galeata (juv)	3.260	11.800	7.530	6.038
Daph. pulex (ad)	0.000	0.750	0.375	0.530
Daph. pulex (juv)	0.750	4.270	2.510	2.489
Daph. eggs	0.000	2.510	1.255	1.774
Bos. longirostris	1.760	4.270	3.015	1.774
Bosmina eggs	0.000	0.000	0.000	0.000
Misc. Cladocera	0.000	0.750	0.375	0.530
Polyarthra spp.	0.000	0.000	0.000	0.000
Synchaeta spp.	2.510	0.000	1.255	1.774
Lecane spp.	0.000	0.000	0.000	0.000
Collotheca spp.	0.750	0.000	0.375	0.530
Misc. Rotifers	2.510	0.750	1.630	1.244
TOTAL ZOOPLANKTON	155.440	204.160	179.800	34.450