

**NOGAP B2; Zooplankton, and  
Larval and Post Larval Fish Data  
from Tuktoyaktuk Harbour,  
N.W.T., 1984 to 1987**

G.E. Hopky, D.B. Chipertzak, and M.J. Lawrence

Central and Arctic Region  
Department of Fisheries and Oceans  
Winnipeg, Manitoba R3T 2N6

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## PREFACE

This study was funded by the Northern Oil and Gas Action Program (NOGAP), through the Department of Fisheries and Oceans, Central and Arctic Region. It is one of a series of projects executed under NOGAP B2, to provide background data for assessing the implications of hydrocarbon development and production on critical estuarine and marine habitats of the Canadian Arctic Coastal Shelf. This document constitutes NOGAP Report B2.56.

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## ABSTRACT

Hopky, G.E., D.B. Chiperzak, and M.J. Lawrence. 1994. NOGAP B2; Zooplankton, and larval and post larval fish data from Tuktoyaktuk Harbour, N.W.T., 1984 to 1987. Can. Data Rep. Fish. Aquat. Sci. 945: v + 117 p.

Zooplankton and larval and post larval fish were collected from Tuktoyaktuk Harbour in the open water seasons of 1984 to 1987. Plankton gear used were 763  $\mu\text{m}$  Wisconsin nets in 1984, and 500  $\mu\text{m}$  neuston, and 85 and 500  $\mu\text{m}$  bongo nets in 1985 to 1987. Each of the north and south basins were generally sampled twice each year. An annual average total of 115 zooplankton and fish specimen identifications were made in 1985 to 1987. Identifications from the Copepoda (25.8%), Insecta (17.6%), Amphipoda (17.0%), and Hydrozoa (7.1%) taxonomic groups contributed 60.5% to the total number of zooplankton identifications. Copepods were the most abundant zooplankton in all sample gear, with rotifers also abundant in the 85  $\mu\text{m}$  bongo nets, and insects abundant in the neuston (surface) nets. Sample and taxonomic group wet and dry weights are given. Ten fish identifications were made, representing eight species from seven families. The three most prevalent fish species were Osmerus mordax, Clupea harengus pallasii, and Myoxocephalus quadricornis, with the gadoid, Eleginus gracilis also common in 1987. Copepods were predominant in the stomachs of all fish species examined.

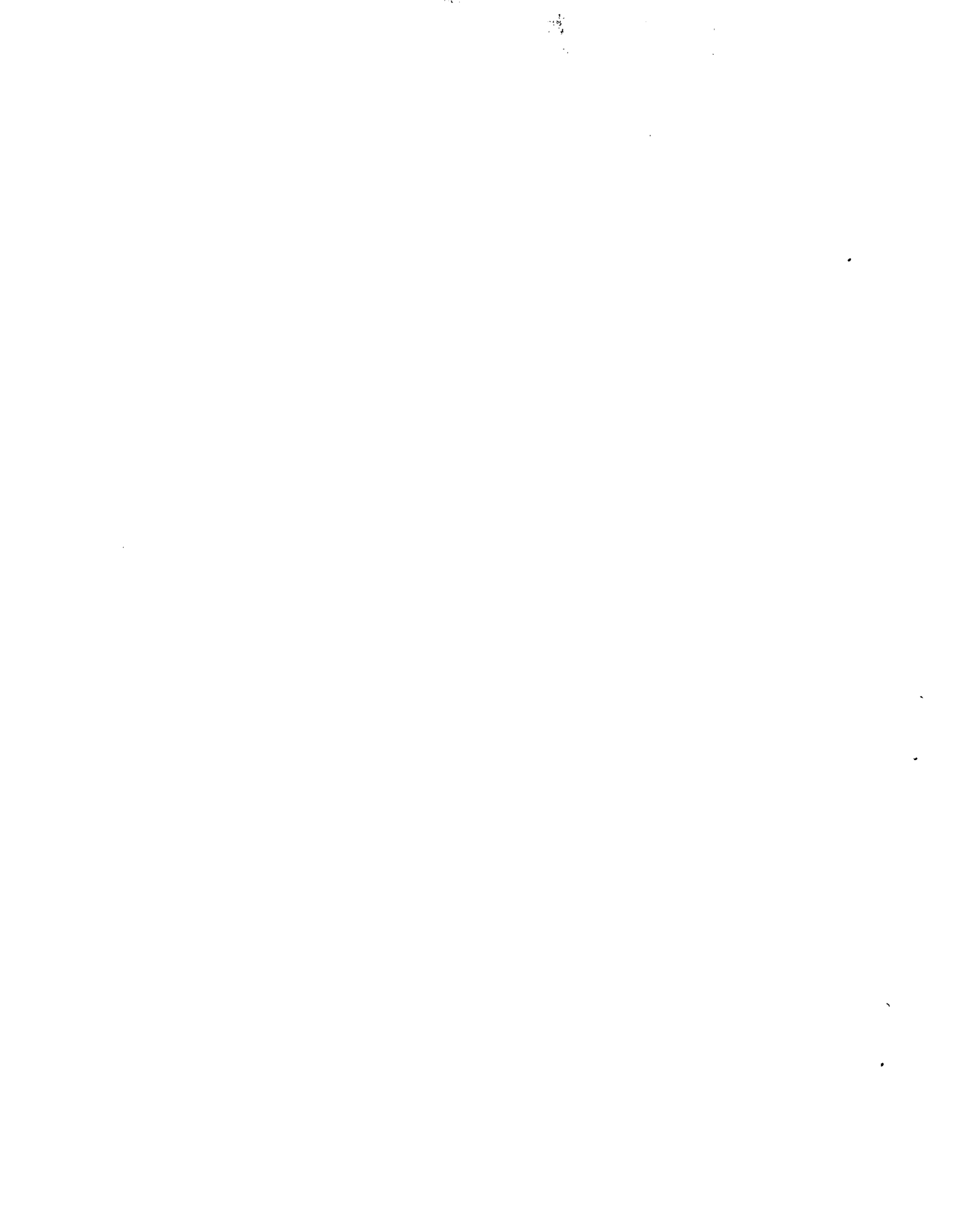
Key words: Arctic; Beaufort Sea; Tuktoyaktuk; bays; estuaries; marine; zooplankton; ichthyoplankton; larval fishes; community composition; abundance; biomass; diet.

## RÉSUMÉ

Hopky, G.E., D.B. Chiperzak, and M.J. Lawrence. 1994. NOGAP B2; Zooplankton, and larval and post larval fish data from Tuktoyaktuk Harbour, N.W.T., 1984 to 1987. Can. Data Rep. Fish. Aquat. Sci. 945: v + 117 p.

Du zooplancton ainsi que des poissons aux stades larvaire et postlarvaire ont été prélevés dans le port de Tuktoyaktuk au cours des saisons d'eaux libres de 1984 à 1987. Les filets à plancton utilisés étaient des filets Wisconsin de 763  $\mu\text{m}$  en 1984 et, de 1985 à 1987, des filets à neuston de 500  $\mu\text{m}$  et des filets bongo de 85 et 500  $\mu\text{m}$ . De façon générale, chacun des deux bassins, nord et sud, a été échantillonné deux fois par année. De 1985 à 1987, on a identifié un total annuel moyen de 115 organismes zooplanctoniques et poissons. Les représentants des groupes taxinomiques *Copepoda* (25.8%), *Insecta* (17.6%), *Amphipoda* (17.0%) et *Hydrozoa* (7.1%) sont intervenus pour 60.5% du nombre total des organismes zooplanctoniques identifiés. Les copépodes ont été les organismes zooplanctoniques les plus abondants quel que soit le filet utilisé pour l'échantillonnage, alors que les rotifères ont été également abondants dans les filets bongo de 85  $\mu\text{m}$  et les insectes, dans les filets à neuston (surface). On donne les poids sec et humide des échantillons et des groupes taxinomiques. Dix identifications de poissons ont été réalisées, et les spécimens identifiés appartenaient à huit espèces et sept familles différentes. Les trois espèces de poisson les plus abondantes étaient *Osmerus mordax*, *Clupea harengus pallasii* et *Myoxocephalus quadricornis*. Le gadidoïde *Eleginus gracilis* a également été abondant en 1987. Les copépodes étaient prédominants dans l'estomac de toutes les espèces de poisson examinées.

Mots-clés: Arctique; mer de Beaufort; Tuktoyaktuk; baies; estuaires; marin; zooplancton; ichthyoplancton; poissons larvaires; composition de la communauté; abondance; biomasse; régime alimentaire.



## INTRODUCTION

The zooplankton and larval and post larval fish data presented in this report were collected as part of the Beaufort Shelf Fish Habitat Research Subproject (B.2.1). This subproject is one component of the Critical Estuarine and Marine Habitat Project (B.2) of the Northern Oil and Gas Action Program (NOGAP). Project B.2 is a multi-disciplinary study of the Canadian Arctic coastal shelf undertaken by staff of the Department of Fisheries and Oceans (DFO). The Project goal is to provide background data for assessing the implications of hydrocarbon development and production on critical estuarine and marine habitats, with particular emphasis on the Canadian Beaufort Sea, including its coastal bays like Tuktoyaktuk Harbour.

The Beaufort Sea shelf region is significant habitat for marine mammals (Würsig et al. 1985; Norton and Harwood 1985), and estuarine and marine fishes (Craig 1984; Lawrence et al. 1984; Bond and Erickson 1989). The coastal bays, which are often characterized by restricted water circulation with adjacent shelf waters (Barber 1968), also provide critical habitat for estuarine, marine and freshwater fish (e.g. Bond 1982; Lawrence et al. 1984; Hopky and Ratynski 1984). As such, bays are particularly important with respect to potential impacts from development activities, such as dredging to provide access to harbours for support vessels (Thomas et al. 1981). The Beaufort Environmental Assessment and Review Panel (FEARO 1984) concluded that too little is known about the fish and their habitat requirements in the estuarine and marine environments of the Beaufort Sea coastal shelf and Mackenzie River region. In particular, the Panel recommended new research on fish and fish habitats in the Beaufort Sea coastal areas with emphasis on identifying species and habitats that may be sensitive to development and production impacts, including work on an expanded inventory database, and on basic ecological research into planktonic and epontic species and the underlying physical and biological processes.

The Beaufort Shelf Fish Habitat Research Subproject was implemented to address these information requirements. Specifically, the objectives of Subproject B.2.1 are:

1. to conduct research towards identifying, in spatial and temporal terms, areas of significance to marine and estuarine fish species of the Beaufort Sea shelf (Fig. 1);
2. to characterize these areas in terms of community composition, and in terms of chemical, physical and biological parameters; and
3. to describe the feeding habits of selected fish species in relation to habitat and season.

Historic studies regarding the significance of zooplankton to the Beaufort Sea shelf ecosystem have been largely descriptive and qualitative (e.g. Grainger 1965, 1975). More recent quantitative studies have focussed on the role of zooplankton in feeding of bowhead whales (Bradstreet and Fissel 1986). Similarly, past fisheries studies along the shelf and nearshore areas have focussed on juvenile and adult fish (e.g. Galbraith and Hunter 1975; Kendel et al. 1975; Percy 1975; Lawrence et al. 1984; Bond and Erickson 1989), with little research on larval fish. Ichthyoplankton of Tuktoyaktuk Harbour was investigated by Ratynski (1983). The goals of Subproject B.2.1 with respect to zoo- and ichthyoplankton, are to focus on their contribution to the ecology of the shelf, and to quantitatively describe their community composition, abundance, spatial and temporal distribution, and related life history features, by systematically sampling throughout the shelf and Mackenzie River estuary for a number of years.

Subproject B.2.1 studies were conducted during the open water and ice cover seasons of 1984 to 1988, in an area from Whale Bluffs, in Amundsen Gulf on the east, to Herschel Island on the west, and from the inner waters of the Mackenzie River estuary out to approximately the 200 m isobath (Fig. 1). Tuktoyaktuk Harbour was included because of its significance as a major northern port, and as the location of a significant domestic fishery. Also, because the B.2.1 sampling program in the harbour was the same as conducted on the shelf, differences between a relatively isolated oceanographic "bay environment" versus the more dynamic shelf one could be explored. Sampling of Tuktoyaktuk Harbour was conducted in the open water seasons of 1984 to 1987 and data reported here are for this period.



Related physical (e.g. salinity, temperature, light attenuation), chemical (e.g. nutrients, dissolved oxygen, silica), and biological (e.g. chlorophyll) data were collected in conjunction with the plankton sampling program in Tuktoyaktuk Harbour, and are reported elsewhere (Hopky et al. 1990, 1994d; Lawrence et al. 1993). Similar physical and chemical oceanographic data (e.g. Hopky et al. 1987, 1994d; Lawrence et al. 1991), and biological data (e.g. Hopky et al. 1994a-c; Chipertzak et al. 1990, 1991) are reported for the Beaufort Sea shelf part of the NOGAP B.2.1 Subproject.

## METHODS

Methods described below follow those used for the Beaufort Sea shelf component of the Subproject B.2.1 plankton research program (Hopky et al. 1994a-c).

## STUDY AREA

Tuktoyaktuk Harbour, located at 132° 59'W, 69°26'N, is on the eastern edge of the Mackenzie River delta (Fig. 1). It is 6.5 km long and up to 1.8 km wide (Fig. 2) with a total surface area of 942 ha, and has two distinct basins divided by a shallow 5 m sill (Thomas et al. 1981). Depths greater than 20 m occur in both basins, with depths in excess of 10 m accounting for 44% and 55% of the north and south basin surface areas, respectively. Maximum depth is 26 m. The bottom sediment is predominantly silt-clay (Thomas et al. 1981; Bond 1982).

Two narrow channels at the harbour mouth maintain a seaward connection to Kugmallit Bay. The bay is shallow, with depths of 5 m not exceeded within 10 km from the harbour mouth. Consequently, exchange of water between Kugmallit Bay and Tuktoyaktuk Harbour takes place through the upper 4-5 m of the water column (Barber 1968). The channels were deepened from a depth of about 2 m to a depth of 4-5 m in 1981 to allow for entry of deeper draft vessels into the harbour. Three freshwater creeks also drain into the harbour on a seasonal basis.

During the ice-free period, when north and west winds predominate, Kugmallit Bay water column profiles exhibit low salinities which are associated with a large freshwater input from the Mackenzie River (Hopky et al. 1987). When winds have south and east components, marine upwellings occur, often bringing cold saline water from the deeper Beaufort Sea basin into nearshore areas. Thus, the mouth of Tuktoyaktuk Harbour is alternately exposed to high, medium and low saline waters during the ice-free period. As a result, during open water the upper water layer within the harbour becomes more mixed than during ice cover (Barber 1968). The mixed surface layer may extend as deep as 9-10 m by the end of August. Salinities of 12 to 15 and temperatures up to 15°C occur in the upper water layer at this time. Dissolved oxygen is usually at near saturation values. Below the pycnocline, salinities increase to 29 to 31 with minimum temperatures of 0-1°C.

Lunar tides in the harbour fluctuate 0.3-0.4 m. Depending upon direction, winds can increase or decrease water levels in the harbour as much as a meter for extended periods of time.

During the period of ice cover (October-late June) an upper, freshwater layer stabilizes and develops to a maximum depth of approximately 6 m by spring (Hopky et al. 1990). The freshwater originates from the Mackenzie River system (Barber 1968; Hopky et al. 1987).

## STATIONS AND POSITIONING

The MV *Sequel*, a wooden hulled 12 m vessel, was chartered to conduct sampling. Station coordinates were determined using a combination of radar (Furuno Model CR240) fixes to shore, bathymetric charts and satellite navigators (Magnavox Model MX4102 and JRC Model JLE-3850) with nominal accuracies of  $\pm 0.1$  km. Station locations (Tables 1-4, Fig. 1) were established at the deepest point in each sub-basin where the oceanographic data was collected. The plankton tow stations were oriented along the longest axis within each sub-basin.

## SAMPLE COLLECTION AND FIELD PROCESSING

Sampling for plankton was conducted during the open water period in all sample years, using four gear types: a 763  $\mu\text{m}$  Wisconsin design net, a 500  $\mu\text{m}$  neuston sampler, and 85  $\mu\text{m}$  and 500  $\mu\text{m}$  bongo samplers (Tables 1-4). Tow attributes are described in Tables 5-8. The Wisconsin sampler was used in Tuktoyaktuk Harbour only in 1984; whereas the other three gears were used through 1985 to 1987.

The primary objective with the 763  $\mu\text{m}$  Wisconsin design gear was to sample the midwater of a station for ichthyoplankton. The net opening diameter was 0.5 m with a Nitex mesh of 763  $\mu\text{m}$  size opening. A General Oceanics flowmeter, Model 2030, with a standard rotor was positioned at the centre of the opening. One horizontal tow of 10 to 30 min [mean=27.3, Standard Deviation (SD)=8.3] duration was made at each station. Tow depths were estimated by calculation, using the cosine of the angle of the tow wire relative to the horizontal plane, as measured by a inclinometer, times the length of wire spooled out. Mean tow rate was 1.5  $\text{m}\cdot\text{s}^{-1}$  (SD=0.4).

The neuston sampler was used to collect larger zoo- and ichthyoplankton from on and just below the water's surface. The sampler had a square opening of 0.45 by 0.45 m with a 500  $\mu\text{m}$  mesh size Nitex net. More details on its design are in Mason and Phillips (1986). A General Oceanics flowmeter, Model 2030, with standard rotor was affixed to the sampler mouth offset 0.17 m vertically from the bottom of the mouth. Calculations of volume filtered used an opening size of 0.40 by 0.45 m, as the top 0.05 m of the net rode out of the water during tows. Neuston gear tows were made horizontally along the water's surface at a mean rate (1985 to 1987) of approximately 2.8  $\text{m}\cdot\text{s}^{-1}$  (SD=0.3). The neuston gear was towed 30 m off the starboard side of the vessel in front of its wake for about 5 min (mean=4.9, SD=0.9). Replicate tows were generally made in sequence, with replicate tows starting at the same coordinates and towed along the same heading.

The primary objective with the 500  $\mu\text{m}$  bongo gear was to sample the entire water column for larger zoo- and ichthyoplankton. The gear

consisted of two nets each 0.5 m in diameter separated by a distance of 0.25 m. Each net was constructed of 500  $\mu\text{m}$  size mesh Nitex net, and had an initial cylinder of 1.3 m length and then a tapered cone of 1.25 m length. Net design conformed with UNESCO (1968) recommendations for an 85% sustained towing filtering efficiency. All tows were deployed from the starboard side of the vessel using a steel wire, with deployment and retrieval rates of about 0.3 m/s. Tow depths were estimated by calculation, using the cosine of the angle of the tow wire relative to the horizontal plane, as measured by a inclinometer, times the length of wire spooled out. General Oceanics flowmeters, Model 2030, with standard rotors were affixed to the centre of each net's opening. Replicate tows were generally made in sequence, alternating the vessel heading by 180° for each tow.

The 1985 and 1987 500  $\mu\text{m}$  bongo tows were horizontal through the water, above and below the pycnocline (Tables 6 and 8), at a mean tow rate of 1.1  $\text{m}\cdot\text{s}^{-1}$  (SD=0.1) with a mean tow duration of 15.3 min (SD=0.6). The 1986 500  $\mu\text{m}$  bongo tows (Table 7) were undulating oblique throughout the water column at a mean tow rate of about 1.2  $\text{m}\cdot\text{s}^{-1}$  (SD=0.1) and mean duration of 15.0 min (SD=2.5).

The main objective for using the 85  $\mu\text{m}$  bongo gear was to sample the water column for potential food sources of the ichthyoplankton. As with the 500  $\mu\text{m}$  bongo gear nets, the 85  $\mu\text{m}$  nets were also designed to meet the UNESCO (1968) 85% criteria; but target tow volume was considerably less. The 85  $\mu\text{m}$  bongo gear and nets were similar in design to the 500  $\mu\text{m}$  bongo gear but the nets had a mesh size of 85  $\mu\text{m}$ , and a cylinder and tapered cone each 2 m long. These nets were also rigged with flowmeters, and the gear deployed and retrieved in similar manner as the 500  $\mu\text{m}$  gear was, with the exception that all tows were vertical. The bongo gear was spooled out as quickly as possible and retrieved at a mean rate (1985 to 1987) of about 0.4  $\text{m}\cdot\text{s}^{-1}$  (SD=0.1).

All plankton samples were preserved in a solution of seawater and 5% non-buffered formalin.

## SAMPLE PROCESSING AND REPORTING

All zooplankton counting and identification was done using contract services. All 85  $\mu\text{m}$  bongo net samples were processed by one laboratory. A second laboratory processed all 1984 Wisconsin and neuston samples and, in conjunction with a third laboratory, processed the 1985 neuston and 500  $\mu\text{m}$  bongo net samples with both laboratories using the same methods. The second laboratory processed all the 1986 and 1987 neuston and 500  $\mu\text{m}$  bongo samples.

With the exception of fish identified for stomach content analysis, all fish were processed at the DFO Winnipeg laboratory. The contractor that analyzed the 85  $\mu\text{m}$  bongo samples also undertook stomach content analyses for all larval and post larval fish sampled with the plankton gear.

In the laboratory, the 1984 neuston and Wisconsin net samples were resieved through a 425  $\mu\text{m}$  screen using a water rinse, while the 1985 to 1987 neuston and 500  $\mu\text{m}$  bongo net samples were resieved through a 500  $\mu\text{m}$  Endicott screen, with all ichthyoplankton removed and stored in 70% ethanol. The 1985 to 1987 85  $\mu\text{m}$  bongo net samples were similarly processed, but washed through an 80  $\mu\text{m}$  screen.

### Level of taxonomy and data coding

Specimens were identified with the aid of reference texts, keys and collections, and verified as required. Inter-laboratory calibrations for specimen identification were not made. All specimens were assigned numeric codes based on a catalogue and systematic list developed for this and a related NOGAP Subproject, B.2.3. Details regarding identifications, the systematic list and the catalogue code are described elsewhere (Hopky et al. 1994e). To aid in data processing and subsequent analysis major taxonomic groups were identified (Table A1.1, Appendix A1). With the exception of certain miscellaneous groups (e.g. '940000 Stones, pebbles') taxonomic groups used in the zooplankton studies represented higher systematic levels (phylum, class, order and suborder).

All zooplankton and fish specimens captured in the plankton nets were identified to the species level whenever possible, with the following

exceptions. For the 85  $\mu\text{m}$  bongo net samples zooplankton specimens were identified to the taxonomic group level for the Cumacean and Isopoda groups, and almost exclusively to the group level for the Rotifera, Polychaeta and Bivalvia groups. For the 763  $\mu\text{m}$  Wisconsin, neuston and 500  $\mu\text{m}$  bongo net samples, zooplankton specimens were identified to the taxonomic group level for the Foraminiferida and Ostracoda groups. Specimen identification data for the 1985 neuston and 500  $\mu\text{m}$  bongo samples processed by the third laboratory are reported with only the most common species identified to genus or species, while the balance are identified to taxonomic group level.

Life history stage of zooplankton specimens was identified where possible. For Copepoda group specimens caught in 85  $\mu\text{m}$  net samples life history stage or size range was fully described (adult, copepodite, nauplius), whereas for the larger mesh net samples life history stage was to adult and copepodite stage only. This information and related comments were coded, and Table 9 identifies the codes.

### Zooplankton abundance

The 85  $\mu\text{m}$  net samples were initially scanned under a low power (X6 or X12) microscope to remove large organisms (>6-7 mm), which were identified and counted. One individual was responsible for all counting and identification tasks. After removal of large organisms the remainder of the sample was poured into a calibrated beaker and made up to some known volume, typically 100 mL, with water. A Hensen-Stempel pipette was used to remove a sub-sample volume (e.g. 1 mL from 100 mL for a  $1 \cdot 10^{-2}$  sub-sample). If this sub-sample was estimated to have more than 300 ( $\pm 10\%$ ) specimens in total, then it was further diluted to some standard volume and sub-sampled until the point when the final sub-sample had about 300 total number of specimens. Generally two stages of sub-sampling were made.

Starting with the smallest sub-sample first, each sub-sample was then sorted and specimens were identified and counted until at least five specimens of most individual species, and up to a total of about 300, had been counted. If fewer than five specimens were counted then this count was ignored, with specimens for this species then

counted at the next bigger sub-sample stage. In exceptional cases, five or fewer specimens for a species were identified and counted in the smallest sub-samples because these species were generally very small in size and it would be too difficult to find them amongst the larger specimens in the bigger sub-samples. In some cases more or less than 300 specimens were counted depending on whether the sub-sample was clean or dirty with debris, respectively.

The 1984 neuston and 763  $\mu\text{m}$  Wisconsin net samples were initially sorted with the naked eye. All specimens were removed and placed in taxonomic group specific vials. Most samples were identified and counted in entirety, with sub-sampling used where total sample count was estimated to be greater than 1 000. The taxonomic groups for these latter samples were split using a two chamber Folsom splitter. Sub-samples were not split to a pre-determined number per sub-sample, so sub-sample numbers varied from 60 to 2700 with most in the 400-600 range. Specimens in the split fraction were counted, identified and appropriately extrapolated to the larger sample.

The 1985 to 1987 neuston and 500  $\mu\text{m}$  bongo net samples were processed as follows. If a sample contained less than 300 ( $\pm 10\%$ ) specimens in total then the sample was completely counted and all specimens identified. Some samples that had more than 300 specimens in total but less than 300 copepods were counted in entirety, with the exception of those taxonomic groups in excess of 1 000 specimens which were sub-sampled as described below. Other than this exception, samples containing more than 300 specimens were initially sorted with the naked eye such that all specimens, with the exceptions of those from the copepod group, other taxonomic groups represented by more than 1 000 specimens and specimens not visible to the naked eye, were removed and placed in taxonomic group specific vials. Rose bengal was added to the vials for the chaetognath, ascidian and larvacean groups. Taxonomists, assigned to the task of identification and counting of taxonomic groups, continued with the task until all samples were processed.

If, for each taxonomic group, there were 100 or less specimens then all specimens were identified to the species level. If a group contained between 101 and 1 000 specimens, a random sub-

sample of 100 was made and identified to the species level, the remaining specimens counted and then identified based on extrapolation from the 100 specimen sub-sample.

At this point, the protocols used for the 1985 samples differed for those subsequently used on the 1986 and 1987 samples. For the 1985 samples, specimens from the taxonomic groups were then returned to the original sample which consisted of copepods, specimens not visible to the naked eye, and in some cases non-copepod taxonomic groups in excess of 1 000 specimens. This reconstituted sample was then sub-sampled by splitting in a modified two chamber Folsom splitter. Splits were made until the final sub-sample contained 300 ( $\pm 10\%$ ) specimens, which was counted and all specimens identified to species level. Total numbers were then extrapolated. All unanalysed split fractions were placed in 70% ethanol and stored at DFO, Winnipeg.

This approach effectively resulted in double counting of specimens from taxonomic groups that numbered less than 1 000. It was used in 1985 because of the desire to retain in storage a representative sub-sample of all 1985 samples, while still providing for the determination of sample dry biomass which resulted in sample destruction. The 1985 double count data were subsequently edited to delete counts from the split fraction that "duplicated" a count already made during processing of the taxonomic group sub-samples that had less than 1 000 specimens in total.

For the 1986 and 1987 samples, the specimens remaining in the original sample, that is, the copepods, specimens not visible to the naked eye, and in some cases non-copepod taxonomic groups in excess of 1 000 specimens, were then sub-sampled by splitting in a modified two chamber Folsom splitter. Splits were made until the final sub-sample contained 300 ( $\pm 10\%$ ) specimens. This fraction was counted and all specimens identified to species level. Total numbers were then extrapolated. All remaining split fractions were placed in 70% ethanol and stored at DFO, Winnipeg. Count estimates derived from the splitting techniques were verified for accuracy by conducting repeated split tests on selected samples.

Data are reported as the number counted, and as abundance in number·100 m<sup>3</sup> of water filtered, with the exception of count data for the 1985 500 µm bongo samples which are reported as count and abundance, or as presence/ absence.

#### Zooplankton biomass and volume

There were no estimates of sample biomass or volume for the 1984 samples. Sample volumes, as an analogue for biomass, were measured for 85 µm bongo net samples by subtracting the volume of liquid in the sample from the total sample volume.

Dry weight (g) for each of the 1985 neuston and 500 µm bongo net samples was determined by weighing one-half of the reconstituted sample, collected at the first split stage. The one-half sample was dried at 60°C in a drying oven for 72 hours or until a stable mass was achieved, cooled for 24 hours in a desiccator, weighed to the nearest 0.001 g, and multiplied by two to give an estimate of sample dry weight.

Wet and dry sample weights (g) for the 1986 and 1987 neuston and 500 µm bongo net samples were estimated by summing weights that were measured on each of the taxonomic groups present in a sample. In most cases the number weighed for each taxonomic group represented the total number of that group's specimens in the sample, otherwise sub-samples were weighed, and the taxonomic group sample weight was estimated. Wet weight of each taxonomic group was measured to the nearest 0.001 g using a Mettler, PM100 microbalance. The group was then dried at 60°C in a drying oven for 72 hours, cooled for 24 hours in a desiccator, and weighed to the nearest 0.001 g to give a measure of dry weight.

Sample volume data are reported as volume (mL)·m<sup>-3</sup> of water filtered. Weight data are reported on a by sample and taxonomic group basis, as wet and dry weights (g) and wet and dry biomass, with biomass expressed as g/100 m<sup>3</sup> of water filtered.

#### Larval and post larval fish

Larval and post larval fish were removed from the plankton samples in the respective contract laboratory, placed in 70% ethanol and

returned to the DFO Winnipeg laboratory. Mr. R. Ratynski (Winnipeg, MB) identified the 1984 specimens, while those captured in other years were identified by one of the authors (Chiperzak), with identifications from the 1985 catch confirmed by Mr. Ratynski. All fish, except those identified for stomach analyses, were measured for standard length, total length, and wet weight. Length measurements were made using a Nikon Type 102 dissecting microscope and a small ruler marked in 1 mm graduations. Measurements were made to the nearest ±0.5 mm. Wet weights were obtained by first blotting the fish with a paper towel and then weighing it on a Mettler PC440 digital scale with an accuracy of ±0.001 g. No adjustments for shrinkage were made in any of the measurements.

Fish for stomach analyses were selected to provide a representative cross-section of the samples collected. These fish were first measured for standard length, rounded to the nearest ±0.5 mm, using a micrometer eyepiece of a Wild MSA dissecting microscope. The stomach was then removed or, in cases where the stomach had not yet been fully formed, the entire intestine was taken. A code was assigned to each stomach or intestine to indicate the degree of fullness and the content's state of digestion (Table 10). Stomach contents were then identified and enumerated by the same individual responsible for the counting and identification of the 85 µm bongo net samples. Stomach items comment codes were also used (Table 9). Parasites found in fish stomachs were identified, species codes assigned, and enumerated whenever possible.

Determination of frequency of occurrence of food items was calculated by dividing the number of stomachs examined for a fish species which contained food, by the number of stomachs a food item was present in. To determine percentage of food items by number, the number of food items for a fish species was totalled. The number of each food item was then divided into the total number of food items and multiplied by 100. Food items with a comment code of 83 (i.e. eggs) (Table 9) were excluded from these determinations.

## RESULTS

In 1984 Tuktoyaktuk Harbour was sampled on two occasions and 11 Wisconsin net samples collected (Table 1). In 1985, the harbour was effectively sampled on four occasions and a total of 62 samples collected (Table 2). In each of 1986 and 1987, the harbour was sampled two times with 32 samples collected each year (Tables 3-4).

Tables 5-8 summarize all plankton sample data documented in this report. A Plankton Sample Number (PSN) was sequentially assigned to each sample as it was collected, with separate PSNs for the "port" and "starboard" net sides of a bongo tow. Data for some PSNs are not included. PSNs 23 and 16 collected in 1984 and 1985, respectively are lost samples, while the balance of missing PSNs for all years represent samples collected on the Beaufort Sea shelf (Hopky et al. 1994a-c). Mean volume filtered (Table 5) for the 763  $\mu\text{m}$  Wisconsin tow samples collected in 1984 was 347  $\text{m}^3$  (SD=103). Mean (1985 to 1987) volumes filtered for the 85  $\mu\text{m}$  bongo (n=26) tow samples (Tables 6-8) were 3.8  $\text{m}^3$  (SD=0.5). Neuston net samples (n=33) had a mean (1985 to 1987) volume filtered of 151.7  $\text{m}^3$  (SD=14.5). Mean volumes filtered for 1985 and 1987 500  $\mu\text{m}$  bongo horizontal (n=50), and 1986 undulating oblique (n=16) net samples were 192.9 (SD=19.2) and 214.8  $\text{m}^3$  (SD=28.0), respectively.

The systematic list of zooplankton specimens identified from the 1984 to 1987 plankton gear samples is shown in Table 11. There were 182 taxonomic identifications, representative of 24 different taxonomic groups, with three additional miscellaneous groups, 880000, 910000 and 920000 (Table A1.1, Appendix A1). Identifications from the Copepoda (25.8%), Insecta (17.6%), Amphipoda (17.0%), and Hydrozoa (7.1%) taxonomic groups contributed 67.5% to the total number of 182. The systematic list of larval and post larval fish specimens identified from the 1984 to 1987 plankton gear samples is shown in Table 12. There were 10 taxonomic identifications, representative of seven different taxonomic groups (i.e. families), with one additional miscellaneous group, 870000 (Table A1.1, Appendix A1).

An alphabetically ordered specimen list for all specimens captured in the 1984 to 1987 catches is given in Table A2.1 (Appendix A2); while inter-annual differences in specimens identified is given in Table A3.1 (Appendix A3).

There were 112, 106, and 126 zooplankton and fish specimen identifications in each of 1985 to 1987, respectively (Table A3.1).

## ZOOPLANKTON

Zooplankton count and abundance data for the 1984 763  $\mu\text{m}$  Wisconsin net samples are given in Table 13. There were 25 taxonomic identifications representative of 10 taxonomic groups. Identifications from the Amphipoda (36%), Copepoda (16%) and Hydrozoa (12%) contributed 64% to the total number of identifications. Sample abundance (number-100  $\text{m}^{-3}$ ) ranged from 2 (PSN=41) to 4 422 (PSN=28) (Table 5), with four groups, Copepoda (81%), Mysidacea (15%), Amphipoda (3%), and Hydrozoa (1%) contributing about 100% to the total abundance of the 1984 Wisconsin net catches.

Zooplankton count and abundance data for the 1985 85  $\mu\text{m}$  bongo net samples are given in Table 14. There were 38 taxonomic identifications representative of nine taxonomic groups. Identifications from the Copepoda (58%), Rotifera (13%), and Hydrozoa (5%) and Chaetognatha (5%) contributed 81% to the total number of identifications. Sample abundance (number-100  $\text{m}^{-3}$ ) ranged from 785 613 (PSN=222) to 4 558 400 (PSN=148) (Table 6), with the former number probably an underestimate as a result of a processing error. Three groups, Rotifera (71%), Copepoda (27%), and Polychaeta (2%) contributing about 100% to the total abundance of the 1985 85  $\mu\text{m}$  bongo net catches.

Zooplankton count and abundance data for the 1985 neuston net samples are given in Table 15. There were 46 taxonomic identifications representative of ten taxonomic groups. Identifications from the Insecta (44%) and Copepoda (30%) contributed 74% to the total number of identifications. Sample abundance (number-100  $\text{m}^{-3}$ ) ranged from 1 562 (PSN=21) to 6 783 (PSN=28) (Table 6), with two groups, Copepoda (99%) and Insecta (1%) contributing about 100% to the total abundance of the 1985 neuston net catches.

Zooplankton count and abundance data for the 1985 500  $\mu\text{m}$  bongo net samples are given in Table 16. There were 52 taxonomic identifications representative of 10 taxonomic groups. Identifi-

cations from the Copepoda (29%), Amphipoda (23%), and Hydrozoa (13%) contributed 65% to the total number of identifications. Sample abundance (number·100 m<sup>-3</sup>) ranged from 1 361 (PSN=226) to 291 892 (PSN=336) (Table 6), with essentially the one group, Copepoda, contributing about 100% to the total abundance of the 1985 500 µm bongo net catches.

Zooplankton count and abundance data for the 1986 85 µm bongo net samples are given in Table 17. There were 44 taxonomic identifications representative of 12 taxonomic groups. Identifications from the Copepoda (48%), Hydrozoa (11%), and Rotifera (9%) and Amphipoda (9%) contributed 77% to the total number of identifications. Sample abundance (number·100 m<sup>-3</sup>) ranged from 2 038 293 (PSN=278) to 4 385 820 (PSN=81) (Table 7), with two groups, Copepoda (56%) and Rotifera (44%) contributing about 100% to the total abundance of the 1986 85 µm bongo net catches.

Zooplankton count and abundance data for the 1986 neuston net samples are given in Table 18. There were 26 taxonomic identifications representative of six taxonomic groups. Identifications from the Insecta (50%) and Copepoda (27%) contributed 77% to the total number of identifications. Sample abundance (number·100 m<sup>-3</sup>) ranged from 537 (PSN=87) to 8 901 (PSN=284) (Table 7), with two groups, Copepoda (99%) and Cladocera (0.5%) contributing about 100% to the total abundance of the 1986 neuston net catches.

Zooplankton count and abundance data for the 1986 500 µm bongo net samples are given in Table 19. There were 62 taxonomic identifications representative of 12 taxonomic groups. Identifications from the Amphipoda (32%), Copepoda (19%), and Hydrozoa (15%) contributed 66% to the total number of identifications. Sample abundance (number·100 m<sup>-3</sup>) ranged from 16 326 (PSN=281) to 118 (PSN=85) (Table 7), with essentially the one group, Copepoda, contributing about 100% to the total abundance of the 1986 500 µm bongo net catches.

Zooplankton count and abundance data for the 1987 85 µm bongo net samples are given in Table 20. There were 48 taxonomic identifications representative of 15 taxonomic groups. Identifications from the Copepoda (48%), Hydrozoa

(15%), and Rotifera (6%) and Gastropoda (6%) contributed 75% to the total number of identifications. Sample abundance (number·100 m<sup>-3</sup>) ranged from 2 880 229 (PSN=345) to 7 601 235 (PSN=20) (Table 8), with two groups, Copepoda (71%) and Rotifera (27%) contributing about 98% to the total abundance of the 1987 85 µm bongo net catches.

Zooplankton count and abundance data for the 1987 neuston net samples are given in Table 21. There were 43 taxonomic identifications representative of 12 taxonomic groups. Identifications from the Copepoda (37%), Insecta (28%) and Cladocera (9%) contributed 74% to the total number of identifications. Sample abundance (number·100 m<sup>-3</sup>) ranged from 658 (PSN=26) to 5 788 (PSN=25) (Table 8), with three groups, Copepoda (98%), Insecta (1%), and Cladocera (0.5%) contributing about 100% to the total abundance of the 1987 neuston net catches.

Zooplankton count and abundance data for the 1987 500 µm bongo net samples are given in Table 22. There were 73 taxonomic identifications representative of 17 taxonomic groups. Identifications from the Amphipoda (26%), Copepoda (22%), Hydrozoa (7%), Insecta (7%), and Mysidacea (5%) contributed 67% to the total number of identifications. Sample abundance (number·100 m<sup>-3</sup>) ranged from 714 (PSN=346) to 415 598 (PSN=23) (Table 8), with three groups, Copepoda (97%), Mysidacea (1%), and Chaetognatha (1%) contributing about 99% to the total abundance of the 1987 500 µm bongo net catches.

Sample dry biomass (g·m<sup>-3</sup>) data for 1985 neuston and 500 µm bongo net samples are given in Table 6. For the neuston samples, sample dry biomass ranged from a minimum of 0.013 (PSN=21) to a maximum of 0.093 (PSN=331). Corresponding values for the bongo net samples are 0.011 (PSN=25) and 25.353 (PSN=335). For the 85 µm bongo net samples, sample volumes (mL·m<sup>-3</sup>) ranged from 0.28 (PSN=12) to 1.13 (PSN=221) (Table 6).

Sample biomass data for 1986 neuston net samples are given in Table 7. Sample wet biomass ranged from 0.012 (PSN=86) to 0.691 g·100 m<sup>-3</sup> (PSN=284). Corresponding dry sample biomass ranged from 0.004 (PSN=86) to 0.112

$\text{g}\cdot 100\text{ m}^{-3}$  (PSN=284). As a function of the wet biomass of all neuston net samples about 100% of the wet biomass was made up by the Copepoda (98%) and Insecta (2%) taxonomic groups (Table 23), and the same two groups contributed the same proportion to the dry biomass of all neuston samples.

Sample biomass data for 1986 500  $\mu\text{m}$  bongo net samples are given in Table 7. Sample wet biomass ranged from a minimum of 3.976 (PSN=282) to a maximum of 49.527  $\text{g}\cdot 100\text{ m}^{-3}$  (PSN=83). Corresponding dry sample biomass ranged from 0.789 (PSN=281) to 7.045  $\text{g}\cdot 100\text{ m}^{-3}$  (PSN=84). About 99% of the wet biomass of all 500  $\mu\text{m}$  bongo net samples was made up by four taxonomic groups, Copepoda (84%), Chaetognatha (7%), Mysidacea (5%), and Hydrozoa (3%) (Table 24). For dry biomass the same four taxonomic groups made up about 99% of the total: Copepoda (88%), Mysidacea (6%), Chaetognatha (3%), and Hydrozoa (2%) (Table 24).

For the 1986 85  $\mu\text{m}$  bongo net samples, sample volumes ( $\text{mL}\cdot\text{m}^{-3}$ ) ranged from 1.00 (PSN=286) to 1.79 (PSN=81) (Table 7).

Sample biomass data for 1987 neuston net samples are given in Table 8. Sample wet biomass ranged from 0.032 (PSN=26) to 0.227  $\text{g}\cdot 100\text{ m}^{-3}$  (PSN=25). Corresponding dry sample biomass ranged from 0.012 (PSN=26) to 0.047  $\text{g}\cdot 100\text{ m}^{-3}$  (PSN=343). As a function of the wet biomass of all neuston net samples about 99% of the wet biomass was made up by the Copepoda (60%), Isopoda (33%), Insecta (4%), and Chaetognatha (2%) taxonomic groups (Table 25). The same four groups contributed to 99% of the dry biomass in the respective proportions of 63, 31, 4 and 1%.

Sample biomass data for 1987 500  $\mu\text{m}$  bongo net samples are given in Table 8. Sample wet biomass ranged from a minimum of 0.752 (PSN=346) to a maximum of 31.971  $\text{g}\cdot 100\text{ m}^{-3}$  (PSN=340). Corresponding dry sample biomass ranged from 0.174 (PSN=346) to 9.158  $\text{g}\cdot 100\text{ m}^{-3}$  (PSN=23). About 98% of the wet biomass of all 500  $\mu\text{m}$  bongo net samples was made up by four taxonomic groups, Chaetognatha (38%), Copepoda (36%), Mysidacea (14%), and Hydrozoa (10%) (Table 26). For dry biomass the same four taxonomic groups made up about 99% of the total:

Copepoda (45%), Chaetognatha (31%), Mysidacea (15%), and Hydrozoa (8%) (Table 26).

For the 1987 85  $\mu\text{m}$  bongo net samples, sample volumes ( $\text{mL}\cdot\text{m}^{-3}$ ) ranged from 1.71 (PSNs=344, 345) to 2.94 (PSN=20) (Table 8).

#### LARVAL AND POST LARVAL FISH

A total of 11 larval and post larval fish were caught in the 763  $\mu\text{m}$  Wisconsin net in 1984, of which seven were Osmerus mordax (Tables 27 and 28).

Catch summaries of larval and post larval fish for 1985 for each of the neuston and bongo gear types are given in Tables 29 and 30; and similarly, in Tables 31 and 32 for 1986, and Tables 33 and 34 for 1987. In 1985 to 1987 a total of 2 062 larval and post larval fish were captured by the three gear types with about equal numbers caught in the neuston ( $n=1009$ ) and 500  $\mu\text{m}$  bongo ( $n=1050$ ) gears, and only three individuals in the 85 $\mu\text{m}$  bongo gear. There was little annual variation in this roughly equal contribution by the neuston and 500  $\mu\text{m}$  bongo gears. However, the total numbers caught in 1985, 1986 and 1987 contributed 86.1, 3.3, and 10.6%, respectively, of the total catch of 2 062 fish. Even when the approximately two times greater sampling effort in 1985, compared to 1986 and 1987, is considered, catches in 1985 are still much greater than in 1986 and 1987.

Roughly the same number of fish species identifications were made for the neuston and 500  $\mu\text{m}$  bongo catches (six versus eight, respectively). There were consistent interannual differences in the types of species caught in the neuston versus the two bongo gears. The coregonid species were caught only in the neuston gear, while the gadoid, stichaeids and pleuronectids were caught only in the 85 and 500  $\mu\text{m}$  bongo gears. Clupeid, osmerid, and cottid species were caught in both the neuston and 500  $\mu\text{m}$  bongo gear.

Two species, Pacific herring (Clupea harengus pallasii) (8.2%), and rainbow smelt (Osmerus mordax) (77.7%) contributed 85.9% of the total catch of 2 062 specimens. Osmerus mordax was abundant in all years and gear types, while Clupea harengus pallasii was less abundant



in 1986 than 1985 or 1987. Unidentified specimens contributed the next largest (7.0%) to the total. Saffron cod (Eleginus gracilis), contributed 3.5% to the total of 2 062, but all specimens were caught in the 500 µm bongo gear in 1987 and contributed 59.2% to the gear's total 1987 catch. The fourhorn sculpin, Myoxocephalus quadricornis, and unidentified stichaeids each contributed 1.6 and 1.4%, respectively to the total catch of 2 062. Other species contributed less than 0.3% to this total.

Length, weight and stomach fullness data for specimens sampled for life history attributes are given in Tables 35-37 for 1985 to 1987, respectively. No specimens in 1985 were selected for stomach content analysis (Table 35). Stomach content data for specimens from 1986 and 1987 are given in Tables 38 and 39, respectively. In 1986, four fourhorn sculpin were analyzed, while in 1987, 21, 19, and 17, Pacific herring, rainbow smelt and saffron cod, respectively, were analyzed for stomach contents. Empty stomachs were observed for five of each of the herring and smelt species. Table 40 gives the percent frequency of occurrence and relative abundance of items in those fish stomachs that were not empty, less the items counted as copepod eggs (comment code=83, Table 9). With the exception of the parasitic Platyhelminthes/Hemiuridae items, copepods were the only items found in the stomachs of Pacific herring, rainbow smelt and fourhorn sculpin. The most frequently occurring copepod species were Eurytemora herdmanni and Acartia clausi. The stomach contents saffron cod, Eleginus gracilis, consisted of either copepods or polychaetes (Table 40), of which the latter were either juveniles or larvae (Table 39).

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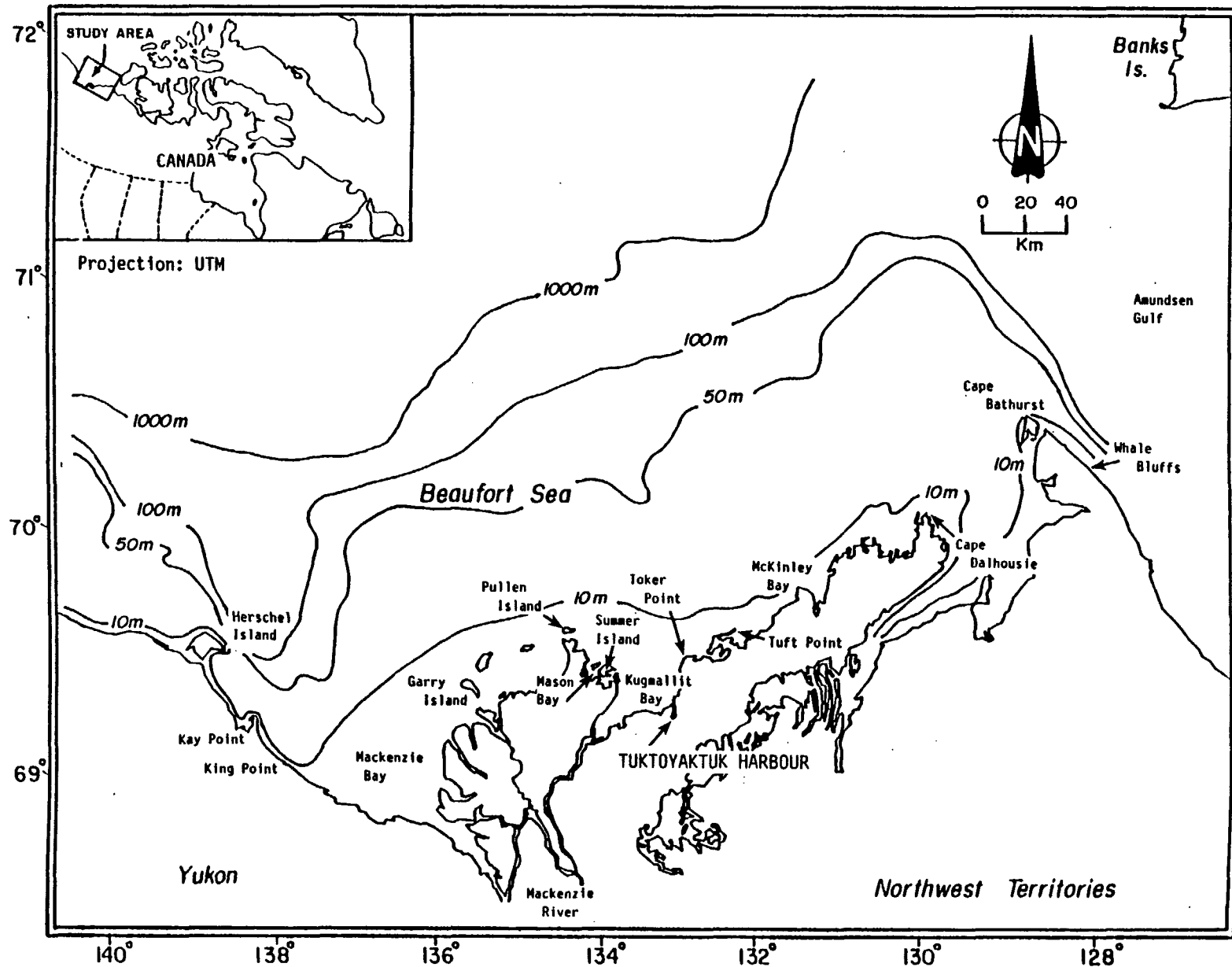


Fig. 1. Tuktoyaktuk Harbour and the NOGAP Subproject B.2.1 study area.

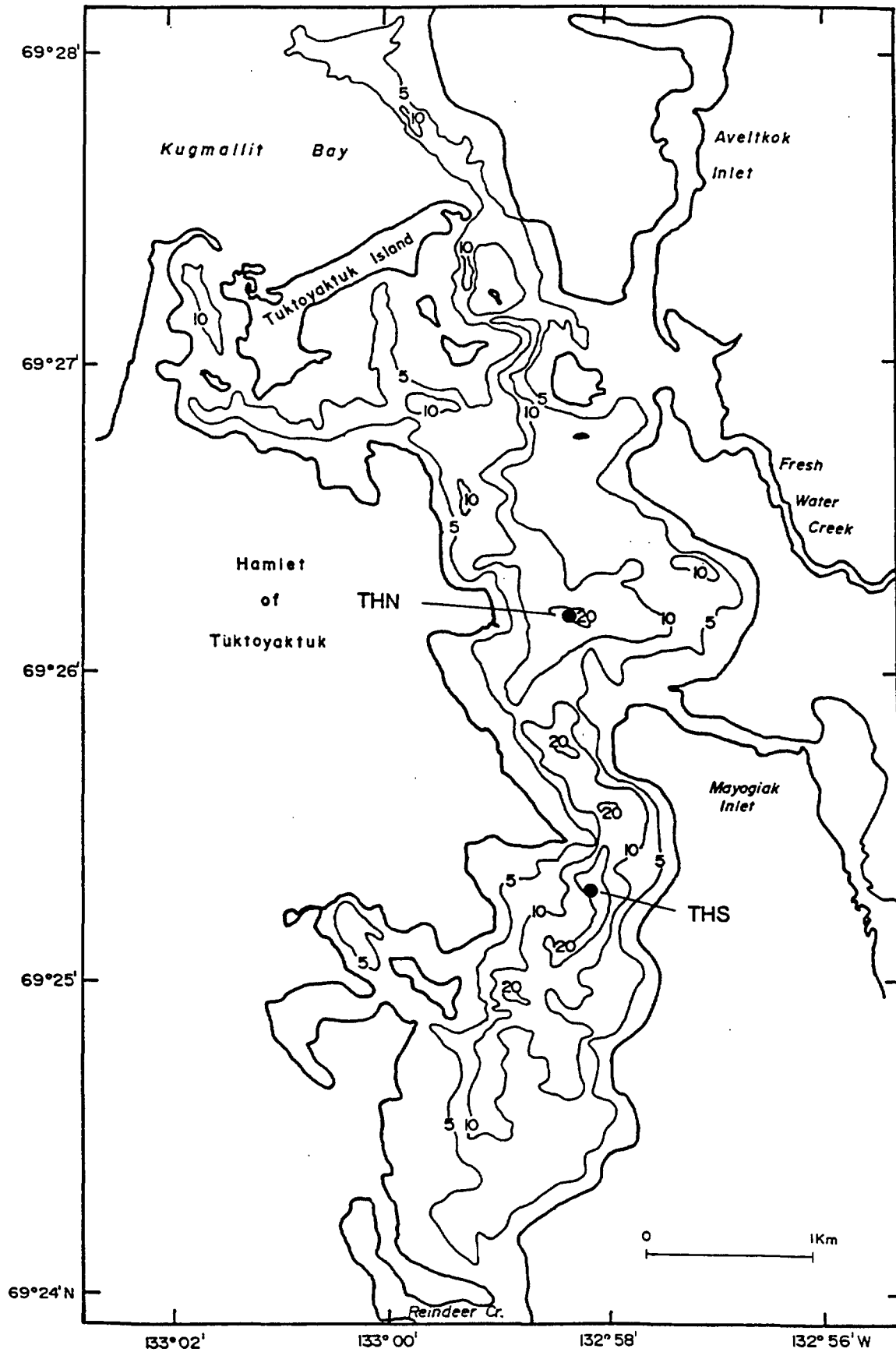


Fig. 2. Bathymetric chart of, and station locations in Tuktoyaktuk Harbour.

Table 1. Summary data for stations sampled with plankton gear in Tuktoyaktuk Harbour during 1984.

Station	Date	Station location	Latitude		Longitude		Time Arrive <sup>a</sup>	Station Depth (m)	Sampling Gear <sup>b</sup> (no. of samples)		
			deg	min	deg	min			763W		
84THN	Jul 26	Tuk Harbour north basin	69	26.4	132	58.2	0830	20	2		
84THS	Jul 26	Tuk Harbour south basin	69	25.1	132	58.1	0900	23	3		
84THN	Sep 10	Tuk Harbour north basin	69	26.4	132	58.2	0910	20	3		
84THS	Sep 10	Tuk Harbour south basin	69	25.3	132	58.0	0948	25	3		

a Local Time.

b 763W - 763  $\mu$ m Wisconsin.

Table 2. Summary data for stations sampled with plankton gear in Tuktoyaktuk Harbour during 1985.

Station	Date	Station location	Latitude		Longitude		Time Arrive <sup>a</sup>	Station Depth (m)	Sampling Gear <sup>b</sup> (no. of samples)		
			deg	min	deg	min			500N	500B	85B
85THS	Jul 19	Tuk Harbour south basin	69	25.3	132	58.2	1440	25	2	4	2
85THN	Jul 20	Tuk Harbour north basin	69	26.2	132	58.3	1415	20	2	4	
85THS	Jul 20	Tuk Harbour south basin	69	25.3	132	58.2	1550	25	2	4	
85THS	Aug 2	Tuk Harbour south basin	69	25.3	132	58.2	0940	25	2	4	2
85THN	Aug 2	Tuk Harbour north basin	69	26.2	132	58.3	1050	20	2	4	2
85THN	Aug 8	Tuk Harbour north basin	69	26.2	132	58.3	1900	20	2	4	2
85THS	Aug 8	Tuk Harbour south basin	69	25.3	132	58.2	2050	25	2	4	2
85THN	Sep 2	Tuk Harbour north basin	69	26.2	132	58.3	0945	20	2	4	
85THS	Sep 2	Tuk Harbour south basin	69	25.3	132	58.2	1150	25	2	4	

a Local Time.

b 500N - 500  $\mu$ m neuston; 500B - 500  $\mu$ m bongo; 85B - 85  $\mu$ m bongo.

Table 3. Summary data for stations sampled with plankton gear in Tuktoyaktuk Harbour during 1986.

Station	Date	Station location	Latitude		Longitude		Time Arrive <sup>a</sup>	Station Depth (m)	Sampling Gear <sup>b</sup> (no. of samples)		
			deg	min	deg	min			500N	500B	85B
86THS	Aug 7	Tuk Harbour south basin	69	25.3	132	58.2	1030	23	2	4	2
86THN	Aug 7	Tuk Harbour north basin	69	26.2	132	58.3	1415	22	2	4	2
86THS	Sep 8	Tuk Harbour south basin	69	25.3	132	58.2	0855	23	2	4	2
86THN	Sep 8	Tuk Harbour north basin	69	26.2	132	58.3	1439	20	2	4	2

a Local Time.

b 500N - 500 µm neuston; 500B - 500 µm bongo; 85B - 85 µm bongo.

Table 4. Summary data for stations sampled with plankton gear in Tuktoyaktuk Harbour during 1987.

Station	Date	Station location	Latitude		Longitude		Time Arrive <sup>a</sup>	Station Depth (m)	Sampling Gear <sup>b</sup> (no. of samples)		
			deg	min	deg	min			500N	500B	85B
87THS	Jul 16	Tuk Harbour south basin	69	25.3	132	58.2	1000	26	2	4	2
87THN	Jul 16	Tuk Harbour north basin	69	26.2	132	58.3	1320	22	2	4	2
87THS	Aug 30	Tuk Harbour south basin	69	25.3	132	58.2	1413	22	2	4	2
87THN	Aug 30	Tuk Harbour north basin	69	26.2	132	58.3	1550	21	2	4	2

a Local Time.

b 500N - 500 µm neuston; 500B - 500 µm bongo; 85B - 85 µm bongo.

Table 5. Summary data for samples collected with plankton gear in Tuktoyaktuk Harbour during 1984.

Plankton Sample Number	Date	Station	Gear		Tow			Plankton Sample Abundance (#/100 m <sup>3</sup> )	
			Type	Mesh Size ( $\mu$ m)	Station Sample Number	Type <sup>a</sup>	Maximum Depth (m)		Volume Filtered (m <sup>3</sup> )
24	Jul 26	84THS	WISCN	763	1	HOR	6.0	403	4
25	Jul 26	84THS	WISCN	763	1	HOR	6.0	377	626
26	Jul 26	84THN	WISCN	763	1	HOR		298	558
27	Jul 26	84THN	WISCN	763	1	HOR		288	1923
28	Jul 26	84THS	WISCN	763	1	HOR		184	4422
41	Sep 10	84THN	WISCN	763	1	HOR		584	2
42	Sep 10	84THS	WISCN	763	1	HOR		351	5
43	Sep 10	84THS	WISCN	763	1	HOR		367	4
44	Sep 10	84THN	WISCN	763	1	HOR		426	50
45	Sep 10	84THN	WISCN	763	1	HOR		245	211
46	Sep 10	84THS	WISCN	763	1	HOR		264	41

a HOR - horizontal.

b MT - empty tow.

Table 6. Summary data for samples collected with plankton gear in Tuktoyaktuk Harbour during 1985.

Plankton Sample Number	Date	Station	Gear		Tow				Zooplankton Sample			Fish Catch per Sample	
			Type	Mesh Size ( $\mu\text{m}$ )	Station Sample Number <sup>a</sup>	Type <sup>b</sup>	Maximum Depth (m)	Volume Filtered ( $\text{m}^3$ )	Abundance (#/100 $\text{m}^3$ )	Biomass			Volume ( $\text{mL}/\text{m}^3$ )
										Wet ( $\text{g}/100 \text{ m}^3$ )	Dry ( $\text{g}/100 \text{ m}^3$ )		
12	Jul 19	85THS	BONGO	85	1P	VER	22.0	4.3	1888070			0.28	
13	Jul 19	85THS	BONGO	85	1S	VER	22.0	4.3	2073814			0.42	
14	Jul 19	85THS	BONGO	500	1P	HOR	11.5	211			1.014		24
15	Jul 19	85THS	BONGO	500	1S	HOR	11.5	211			1.014		22
17	Jul 20	85THN	BONGO	500	1P	HOR	4.5	183			0.437		1
18	Jul 20	85THN	BONGO	500	1S	HOR	4.5	181	7486		0.202		
19	Jul 20	85THN	BONGO	500	1P	HOR	10.0	201			1.413		6
20	Jul 20	85THN	BONGO	500	1S	HOR	10.0	180	62622		1.817		3
21	Jul 20	85THN	NEUST	500	1	HOR	0.0	159	1562		0.013		14
22	Jul 20	85THN	NEUST	500	2	HOR	0.0	159	3483		0.055		9
23	Jul 20	85THS	BONGO	500	1P	HOR	4.5	206			0.019		377
24	Jul 20	85THS	BONGO	500	1S	HOR	4.5	204	3800		0.079		270
25	Jul 20	85THS	BONGO	500	2P	HOR	14.1	191			1.110		13
26	Jul 20	85THS	BONGO	500	2S	HOR	14.1	187	23770				21
27	Jul 20	85THS	NEUST	500	1	HOR	0.0	150	4096		0.027		151
28	Jul 20	85THS	NEUST	500	2	HOR	0.0	151	6783		0.061		90
141	Aug 2	85THS	NEUST	500	1	HOR	0.0	157	2203		0.023		29
142	Aug 2	85THS	NEUST	500	2	HOR	0.0	147	3835		0.027		47
143	Aug 2	85THS	BONGO	500	1P	HOR	12.1	189			1.333		3
144	Aug 2	85THS	BONGO	500	1S	HOR	12.1	191	30650		1.012		
145	Aug 2	85THS	BONGO	500	1P	HOR	4.5	194			0.010		11
146	Aug 2	85THS	BONGO	500	1S	HOR	4.5	194	3611		0.025		15
147	Aug 2	85THS	BONGO	85	1P	VER	23.0	4.5	4558400			0.62	
148	Aug 2	85THS	BONGO	85	1S	VER	23.0	4.5	3134200			0.64	
149	Aug 2	85THN	NEUST	500	1	HOR	0.0	141	3094		0.033		1
150	Aug 2	85THN	NEUST	500	2	HOR	0.0	150	2123		0.027		6
151	Aug 2	85THN	BONGO	500	1P	HOR	12.1	166			0.614		
152	Aug 2	85THN	BONGO	500	1S	HOR	12.1	166	17760		0.786		0
153	Aug 2	85THN	BONGO	500	1P	HOR	4.0	180			0.022		
154	Aug 2	85THN	BONGO	500	1S	HOR	4.0	181	1796		0.046		
155	Aug 2	85THN	BONGO	85	1P	VER	17.0	3.3	3360939			0.76	1
156	Aug 2	85THN	BONGO	85	1S	VER	17.0	3.3	3125879			0.64	
215	Aug 8	85THN	NEUST	500	1	HOR	0.0	142	1630		0.030		22
216	Aug 8	85THN	NEUST	500	2	HOR	0.0	151	2402		0.026		52
217	Aug 8	85THN	BONGO	500	1P	HOR	11.5	189			3.386		8
218	Aug 8	85THN	BONGO	500	1S	HOR	11.5	190	32971		1.977		11
219	Aug 8	85THN	BONGO	500	1P	HOR	4.0	199			0.020		15

a P - port; S - starboard.  
b VER - vertical; HOR - horizontal.



Table 6. Summary data for samples collected with plankton gear in Tuktoyaktuk Harbour during 1985 (CONTINUED).

Plankton Sample Number	Date	Station	Gear		Tow				Zooplankton Sample			Fish Catch per Sample	
			Type	Mesh Size ( $\mu\text{m}$ )	Station Sample Number <sup>a</sup>	Type <sup>b</sup>	Maximum Depth (m)	Volume Filtered ( $\text{m}^3$ )	Abundance (#/100 $\text{m}^3$ )	Biomass			Volume ( $\text{mL}/\text{m}^3$ )
										Wet ( $\text{g}/100 \text{m}^3$ )	Dry ( $\text{g}/100 \text{m}^3$ )		
220	Aug 8	85THN	BONGO	500	1S	HOR	4.0	200	6211		0.086		9
221	Aug 8	85THN	BONGO	85	1P	VER	16.0	3.1	2249419			1.13	
222	Aug 8	85THN	BONGO	85	1S	VER	16.0	3.1	785613			0.42	
223	Aug 8	85THS	NEUST	500	1	HOR	0.0	155	4768		0.067		220
224	Aug 8	85THS	NEUST	500	2	HOR	0.0	153	1359		0.026		211
225	Aug 8	85THS	BONGO	500	1P	HOR	4.0	180			0.011		47
226	Aug 8	85THS	BONGO	500	1S	HOR	4.0	181	1361		0.028		40
227	Aug 8	85THS	BONGO	500	1P	HOR	11.5	188			1.489		9
228	Aug 8	85THS	BONGO	500	1S	HOR	11.5	189	26932		1.370		
229	Aug 8	85THS	BONGO	85	1P	VER	22.0	4.3	4019116			0.88	
230	Aug 8	85THS	BONGO	85	1S	VER	22.0	4.3	3853860			1.05	
325	Sep 2	85THN	NEUST	500	1	HOR	0.0	138	2267		0.029		7
326	Sep 2	85THN	NEUST	500	2	HOR	0.0	135	1980		0.071		11
327	Sep 2	85THN	BONGO	500	1P	HOR	3.4	189			1.058		
328	Sep 2	85THN	BONGO	500	1S	HOR	3.4	185	11586		0.878		
329	Sep 2	85THN	BONGO	500	1P	HOR	11.7	146			9.192		
330	Sep 2	85THN	BONGO	500	1S	HOR	11.7	143	149036		9.291		
331	Sep 2	85THS	NEUST	500	1	HOR	0.0	146	3068		0.093		
332	Sep 2	85THS	NEUST	500	2	HOR	0.0	130	2512		0.015		2
333	Sep 2	85THS	BONGO	500	1P	HOR	4.0	184			3.848		
334	Sep 2	85THS	BONGO	500	1S	HOR	4.0	180	53006		3.976		
335	Sep 2	85THS	BONGO	500	2P	HOR	10.0	184			25.353		
336	Sep 2	85THS	BONGO	500	2S	HOR	10.0	180	291892		22.271		

a P - port; S - starboard.

b VER - vertical; HOR - horizontal.

Table 7. Summary data for samples collected with plankton gear in Tuktoyaktuk Harbour during 1986.

Plankton Sample Number	Date	Station	Gear		Tow				Zooplankton Sample			Fish Catch per Sample	
			Type	Mesh Size ( $\mu\text{m}$ )	Station Sample Number <sup>a</sup>	Type <sup>b</sup>	Maximum Depth (m)	Volume Filtered ( $\text{m}^3$ )	Abundance (#/100 $\text{m}^3$ )	Biomass			Volume ( $\text{mL}/\text{m}^3$ )
										Wet ( $\text{g}/100 \text{ m}^3$ )	Dry ( $\text{g}/100 \text{ m}^3$ )		
80	Aug 7	86THS	BONGO	85	1P	VER	20.0	3.9	3756282			1.41	1
81	Aug 7	86THS	BONGO	85	1S	VER	20.0	3.9	4385820			1.79	
82	Aug 7	86THS	BONGO	500	1P	UOB	23.2	257	108567	11.734	3.773		
83	Aug 7	86THS	BONGO	500	1S	UOB	23.2	263	145744	49.527	6.547		
84	Aug 7	86THS	BONGO	500	2P	UOB	23.5	192	115383	44.116	7.045		
85	Aug 7	86THS	BONGO	500	2S	UOB	23.5	195	118118	11.224	4.538		
86	Aug 7	86THS	NEUST	500	1	HOR	0.0	181	704	0.012	0.004		5
87	Aug 7	86THS	NEUST	500	2	HOR	0.0	167	537	0.064	0.006		6
88	Aug 7	86THN	BONGO	85	1P	VER	18.0	3.5	2357171			1.14	
89	Aug 7	86THN	BONGO	85	1S	VER	18.0	3.5	2263371			1.14	1
90	Aug 7	86THN	BONGO	500	1P	UOB	15.0	230	69173	6.587	2.576		3
91	Aug 7	86THN	BONGO	500	1S	UOB	15.0	233	107509	33.852	4.870		4
92	Aug 7	86THN	BONGO	500	2P	UOB	16.4	231	82225	25.270	3.347		8
93	Aug 7	86THN	BONGO	500	2S	UOB	16.4	234	83128	8.839	2.580		6
94	Aug 7	86THN	NEUST	500	1	HOR	0.0	185	2060	0.054	0.013		16
95	Aug 7	86THN	NEUST	500	2	HOR	0.0	174	3179	0.365	0.038		14
277	Sep 8	86THS	BONGO	85	1P	VER	21.0	4.1	2228585			1.46	
278	Sep 8	86THS	BONGO	85	1S	VER	21.0	4.1	2038293			1.46	
279	Sep 8	86THS	BONGO	500	1P	UOB	17.5	197	38470	14.106	1.707		
280	Sep 8	86THS	BONGO	500	1S	UOB	17.5	198	37137	4.313	2.019		
281	Sep 8	86THS	BONGO	500	2P	UOB	14.8	233	16326	5.960	0.789		1
282	Sep 8	86THS	BONGO	500	2S	UOB	14.8	231	28077	3.976	1.221		2
283	Sep 8	86THS	NEUST	500	1	HOR	0.0	142	7439	0.096	0.024		
284	Sep 8	86THS	NEUST	500	2	HOR	0.0	145	8901	0.691	0.112		
285	Sep 8	86THN	BONGO	85	1P	VER	18.0	3.5	3383171			1.14	
286	Sep 8	86THN	BONGO	85	1S	VER	18.0	3.5	3702543			1.00	
287	Sep 8	86THN	BONGO	500	1P	UOB	14.8	202	50244	5.760	1.951		
288	Sep 8	86THN	BONGO	500	1S	UOB	14.8	201	42187	4.571	1.309		1
289	Sep 8	86THN	BONGO	500	2P	UOB	13.7	171	50513	15.625	1.719		1
290	Sep 8	86THN	BONGO	500	2S	UOB	13.7	169	47238	5.491	1.676		
291	Sep 8	86THN	NEUST	500	1	HOR	0.0	133	7319	0.085	0.025		
292	Sep 8	86THN	NEUST	500	2	HOR	0.0	128	7957	0.505	0.076		

a P - port; S - starboard.

b VER - vertical; HOR - horizontal; UOB - undulating oblique.

Table 8. Summary data for samples collected with plankton gear in Tuktoyaktuk Harbour during 1987.

Plankton Sample Number	Date	Station	Gear		Tow				Zoolankton Sample			Fish Catch per Sample	
			Type	Mesh Size ( $\mu\text{m}$ )	Station Sample Number <sup>a</sup>	Type <sup>b</sup>	Maximum Depth (m)	Volume Filtered ( $\text{m}^3$ )	Abundance (#/100 $\text{m}^3$ )	Biomass			Volume ( $\text{mL}/\text{m}^3$ )
										Wet ( $\text{g}/100 \text{ m}^3$ )	Dry		
11	Jul 16	87THS	BONGO	85	1P	VER	23.0	4.5	6180644			2.00	
12	Jul 16	87THS	BONGO	85	1S	VER	23.0	4.5	6960489			2.22	
13	Jul 16	87THS	BONGO	500	1P	HOR	5.2	199	112403	9.399	2.446		9
14	Jul 16	87THS	BONGO	500	1S	HOR	5.2	199	126559	9.394	3.241		10
15	Jul 16	87THS	BONGO	500	2P	HOR	10.3	197	128362	12.105	3.626		1
16	Jul 16	87THS	BONGO	500	2S	HOR	10.3	195	143544	18.587	5.839		2
17	Jul 16	87THS	NEUST	500	1	HOR	0.0	150	3093	0.065	0.014		5
18	Jul 16	87THS	NEUST	500	2	HOR	0.0	161	1352	0.043	0.014		9
19	Jul 16	87THN	BONGO	85	1P	VER	17.5	3.4	6205441			2.35	
20	Jul 16	87THN	BONGO	85	1S	VER	17.5	3.4	7601235			2.94	
21	Jul 16	87THN	BONGO	500	1P	HOR	5.2	211	101761	5.967	2.138		32
22	Jul 16	87THN	BONGO	500	1S	HOR	5.2	210	132024	9.901	3.621		30
23	Jul 16	87THN	BONGO	500	2P	HOR	10.3	183	415598	25.453	9.158		1
24	Jul 16	87THN	BONGO	500	2S	HOR	10.3	182	294719	20.585	6.355		
25	Jul 16	87THN	NEUST	500	1	HOR	0.0	124	5788	0.227	0.070		14
26	Jul 16	87THN	NEUST	500	2	HOR	0.0	144	658	0.032	0.012		17
338	Aug 30	87THS	BONGO	500	1P	HOR	4.2	220	1409	4.154	0.794		2
339	Aug 30	87THS	BONGO	500	1S	HOR	4.2	219	1008	3.868	0.836		8
340	Aug 30	87THS	BONGO	500	2P	HOR	10.0	226	33083	31.971	6.685		4
341	Aug 30	87THS	BONGO	500	2S	HOR	10.0	227	21527	15.132	3.619		3
342	Aug 30	87THS	NEUST	500	1	HOR	0.0	164	1079	0.084	0.020		18
343	Aug 30	87THS	NEUST	500	2	HOR	0.0	161	2575	0.149	0.047		18
344	Aug 30	87THS	BONGO	85	1P	VER	18.0	3.5	3672000			1.71	
345	Aug 30	87THS	BONGO	85	1S	VER	18.0	3.5	2880229			1.71	
346	Aug 30	87THN	BONGO	500	1P	HOR	4.2	240	714	0.752	0.174		2
347	Aug 30	87THN	BONGO	500	1S	HOR	4.2	240	794	1.397	0.282		5
348	Aug 30	87THN	BONGO	500	2P	HOR	10.0	187	46713	27.053	5.177		4
349	Aug 30	87THN	BONGO	500	2S	HOR	10.0	188	27092	23.426	4.976		7
350	Aug 30	87THN	NEUST	500	1	HOR	0.0	160	1664	0.099	0.027		4
351	Aug 30	87THN	NEUST	500	2	HOR	0.0	150	837	0.142	0.040		13
352	Aug 30	87THN	BONGO	85	1P	VER	18.0	3.5	3216971			2.00	
353	Aug 30	87THN	BONGO	85	1S	VER	18.0	3.5	2967257			2.00	

a P - port; S - starboard.

b VER - vertical; HOR - horizontal.

Table 9. Key to comment codes that may occur in the 1984 to 1987 data tables.

Code	Comment	Code	Comment
General Comments		46	dead - juveniles
1	unidentified	47	valves, fragments
2	unidentified - but possibly identifiable to species	48	live - possibly identifiable
3	unidentified - pending verification	49	dead - possibly identifiable
4	stored in hypotype reference collection	Stomach contents	
5	poor condition	50	empty stomach
6	copepodite - no stage assigned	51	diet item in stomach
7	exoskeletons/fragments of copepods	52	diet item in intestine
8	>1000 see split	53	digested
9	extrapolated	54	partially digested
10	probably not a representative sample	55	stomach remains
Polychaeta		56	intestine remains
11	tubes - whole	57	unidentified detritus
12	tubes - fragments	58	parasite
13	body - fragments	59	remains
14	body & tube - fragments	Copepoda	
15	elytra fragments	69	nauplius
16	larvae	70	adult - no sex (copepodite VI)
Cnidaria		71	copepodite I
19	umbrellas only - digested/decomposed	72	copepodite II
20	fragments of single organisms	73	copepodite III
21	hydroid	74	copepodite IV
22	hydroid colony	75	copepodite V
23	hydromedusae	76	adult female (copepodite VI)
24	medusae	77	adult male (copepodite VI)
25	anthozoan larvae	78	nauplius <200 $\mu$ m
26	colony fragments	79	nauplius 200-400 $\mu$ m
Ectoprocta, Entoprocta		80	nauplius >400 $\mu$ m
28	colony	81	copepodite <400 $\mu$ m
29	statoblast		- cyclopoids and harpacticoids only
30	colony fragment	82	copepodite 400-800 $\mu$ m
No specific taxon (unless specified)			- cyclopoids and harpacticoids only
31	adults	83	egg
32	larva	Weights	
33	lorica - Priapulida	84	dead animals and fragments
34	nymph	85	live animals and fragments
35	nauplii	86	live and dead animals, and fragments
36	shells, 1/2 shells - Ostracoda	87	live gastropods and bivalves
37	live	88	dead gastropods and bivalves, and/or fragments
38	juveniles	89	did not weigh
39	fragments	No specific taxon (unless specified)	
40	dead	90	cyprid
Mollusca		91	megalopae
41	live	92	zoeae
42	live - adults	93	ephippa
43	live - juveniles	94	egg
44	dead	95	egg capsules
45	dead - adults	96	egg and egg capsules
		97	anemone cases

Table 10. Stomach fullness codes used for the plankton gear catches.

Code	Description
0	Empty
1	1/3 full, digested
2	1/3 full, good condition
3	2/3 full, digested
4	2/3 full, good condition
5	Full, digested
6	Full, good condition

Table 11. Systematic list and scientific names of zooplankton captured in Tuktoyaktuk Harbour, 1984 to 1987.

Scientific Name and Phylogenetic Relationship	Authority	Species Code
Kingdom Animalia		
Phylum Cnidaria		
Class Hydrozoa		080000
Order Hydroida		
Family Aeginidae		
<u>Aeginopsis laurentif</u>	Brandt 1838	080701
Family Calycopsidae		
<u>Eumedusa</u> sp.	Bigelow 1920	080760
<u>Eumedusa birulai</u>	(Linko 1913)	080761
Family Campanulariidae		
<u>Obelia</u> sp.	Peron & Lesueur 1807	080820
Family Corynidae		
<u>Sarsia</u> sp.	Lesson 1843	080830
<u>Sarsia princeps</u>	(Haeckel 1879)	080831
Family Euphysidae		
<u>Euphysa flammea</u>	(Linko 1905)	080771
Family Pandeidae		
<u>Halitholus</u> sp.	Hartlaub 1913	080790
<u>Halitholus cirratus</u>	Hartlaub 1913	080791
<u>Halitholus pauper</u>	Hartlaub 1913	080792
Family Rathkeidae		
<u>Rathkea octopunctata</u>	(M. Sars 1835)	080921
Family Rhopalonematidae		
<u>Aqlantha digitale</u>	(Muller 1776)	080711
Phylum Ctenophora		120000
Class Tentaculata		
Order Cydippida		
Family Pleurobrachiidae		
<u>Mertensia</u> sp.	Lesson 1836	121220
<u>Mertensia ovum</u>	Fabricius 1780	121221
Class Nuda		
Order Beroidea		
Family Beroidea		
<u>Beroe cucumis</u>	Fabricius 1780	121201
Phylum Nematoda		180000
Phylum Rotifera		150000
Class Monogononta		
Order Ploima		
Family Asplanchnidae		
<u>Asplanchna</u> sp.	Gosse 1850	151610
Family Brachionidae		
<u>Kellicottia</u> sp.	Ahlstrom 1938	151630
<u>Keratella</u> sp.	Bory de St. Vincent	151600
<u>Keratella cochlearis</u>	(Gosse 1851)	151601
<u>Keratella quadrata</u>	(Muller 1786)	151602
Family Synchaetidae		
<u>Polyarthra</u> sp.	Ehrenberg 1838	151640
Phylum Annelida		
Class Polychaeta		230000
Order Phyllodocida		
Family Polynoidae		
<u>Antinoella</u> sp.	Augener 1928	232100
<u>Bylgides sarsi</u>	(Kinberg 1862)	232911
Family Syllidae		
<u>Autolytus cornutus</u>	Agassiz 1863	232141
Order Spionida		
Family Spionidae		
<u>Prionospio cirrifera</u>	Wiren 1883	232661
Family Trochochaetidae		

Table 11. Systematic list and scientific names of zooplankton captured in Tuktoyaktuk Harbour, 1984 to 1987 (CONTINUED).

Scientific Name and Phylogenetic Relationship	Authority	Species Code
<u>Trochochaeta carica</u>	Pettibone 1963	232801
Phylum Mollusca		
Class Gastropoda		480000
Order Gymnosomata		
Family Clionidae		
<u>Clione limacina</u>	(Phipps 1774)	487551
Order Mesogastropoda		
Family Trichotropidae		
<u>Trichotropis borealis</u>	Broderip & Sowerby 1829	487742
Order Thecosomata		
Family Limacinidae		
<u>Limacina helicina</u>	(Phipps 1774)	487631
Class Bivalvia		510000
Class Cephalopoda		
Order Octopoda		
Family Octopodidae		
<u>Octopus</u> sp.	Lamarck 1798	538240
Phylum Arthropoda		
Subphylum Chelicerata		
Class Arachnida		
Order Acari		330000
Family Pionidae		
<u>Tiphys</u> sp.	Koch 1836	333450
Subphylum Crustacea		
Class Branchiopoda		
Order Diplostraca		
Suborder Cladocera		370000
Family Bosminidae		
<u>Bosmina</u> sp.	Baird 1845	375100
Family Daphnidae		
<u>Daphnia</u> sp.	Muller 1785	375110
<u>Daphnia</u> cf. <u>pulex</u>	Richard 1896	375111
Family Podonidae		
<u>Podon leuckarti</u>	G.O. Sars 1826	375121
Class Ostracoda		350000
Order Myodocopa		
Family Halocypridae		353950
Class Copepoda		360000
Order Calanoida		365010
Family Acartiidae		
<u>Acartia</u> sp.	Dana 1846	364100
<u>Acartia bifilosa</u>	(Giesbrecht 1881)	364103
<u>Acartia clausi</u>	Giesbrecht 1889	364101
<u>Acartia longiremis</u>	(Lilljeborg 1835)	364102
Family Aetideidae		
<u>Chiridius obtusifrons</u>	G.O. Sars 1903	364121
<u>Jaschnovia (=Derjuginia) tolli</u>	(Linko 1913)	364471
Family Calanidae		
<u>Calanus</u> sp.	Leach 1846	364110
<u>Calanus glacialis</u>	Jaschnov 1955	364113
<u>Calanus hyperboreus</u>	Kroyer 1838	364114
Family Centropagidae		
<u>Limnocalanus macrurus</u>	G.O. Sars 1862	364281
Family Diaptomidae		
<u>Diaptomus</u> sp.	Westwood 1836	364170
<u>Diaptomus ashlandi</u>	Marsh 1920	364173
<u>Diaptomus nevadensis</u>	Light 1938	364174
<u>Diaptomus sicilis</u>	Forbes 1882	364171
Family Euchaetidae		
<u>Euchaeta glacialis</u>	Hansen 1886	364221

Table 11. Systematic list and scientific names of zooplankton captured in Tuktoyaktuk Harbour, 1984 to 1987 (CONTINUED).

Scientific Name and Phylogenetic Relationship	Authority	Species Code
Family Metridiidae		
<u>Metridia longa</u>	(Lubbock 1854)	364301
Family Spinocalanidae		
<u>Spinocalanus longicornis</u>	G.O. Sars 1900	364421
Order Cyclopoidea		365020
Family Cyclopidae		
<u>Cyclopina</u> sp.	Claus 1863	364140
<u>Cyclops</u> sp.	Muller 1776	364130
<u>Cyclops vernalis</u>	Fischer 1853	364131
<u>Cyclops</u> sp. <u>vernalis</u>		364134
<u>Mesocyclops edax</u>	(Forbes 1897)	365081
Family Oithonidae		
<u>Oithona similis</u>	Claus 1866	364351
Family Pseudocalanidae		
<u>Drepanopus bungei</u>	G.O. Sars 1898	364181
<u>Microcalanus pygmaeus</u>	(G.O. Sars 1900)	364311
<u>Pseudocalanus minutus</u>	(Kroyer 1849)	364392
Family Temoridae		
<u>Epischura</u> sp.	Forbes 1882	364200
<u>Epischura lacustris</u>	Forbes 1882	364201
<u>Epischura nevadensis</u>	Lilljeborg 1889	364202
<u>Eurytemora</u> sp.	Giesbrecht 1881	364230
<u>Eurytemora americana</u>	Williams 1906	364236
<u>Eurytemora canadensis</u>	Marsh 1920	364235
<u>Eurytemora composita</u>	Keiser 1929	364239
<u>Eurytemora herdmani</u>	Thompson & Scott 1897	364231
<u>Eurytemora raboti</u>	Richard 1897	364232
<u>Eurytemora richingsi</u>	Heron & Damkaer 1976	364233
<u>Heterocope</u> sp.	G.O. Sars 1863	364260
Order Harpacticoida		365030
Family Diosaccidae		
<u>Stenhelia (=Delavalia)</u> sp.	Boeck 1864	364540
Family Ectinosomidae		
<u>Microsetella norvegica</u>	(Boeck 1864)	364321
<u>Microsetella rosea</u>	(Dana 1848)	364322
Family Harpacticidae		
<u>Harpacticus uniremis</u>	Kroyer 1842	364252
Family Idyidae		
<u>Thisbe furcata</u>	(Baird 1837)	364451
Order Poecilostomatoida		
Family Oncaidae		
<u>Oncaea borealis</u>	G.O. Sars 1918	364361
Class Cirripedia		380000
Order Thoracica		
Family Balanidae		
<u>Semibalanus balanoides</u>	Linnaeus	385301
Class Malacostraca		
Order Amphipoda		430000
Family Eusiridae		
<u>Apherusa</u> sp.	Walker 1891	436190
<u>Apherusa glacialis</u>	(Hansen 1887)	436191
Family Gammaridae		
<u>Gammaracanthus loricatus</u>	(Sabine 1821)	436331
<u>Gammarus</u> sp.	Fabricius 1775	436350
<u>Gammarus wilkitzkii</u>	Birula 1897	436353
<u>Weyprechtia heuglini</u>	(Bucholz 1874)	436701
Family Hyperiididae		
<u>Hyperia</u> sp.	Latreille 1823	436410
<u>Hyperia galba</u>	(Montagu 1813)	436411
<u>Hyperia medusarum</u>	(Muller 1776)	436412
<u>Hyperiididae</u> sp.		436730
<u>Hyperoche medusarum</u>	(Muller 1776)	436711



Table 11. Systematic list and scientific names of zooplankton captured in Tuktoyaktuk Harbour, 1984 to 1987 (CONTINUED).

Scientific Name and Phylogenetic Relationship	Authority	Species Code
<u>Parathemisto</u> sp.	Boeck 1870	436530
<u>Parathemisto abyssorum</u>	Boeck 1870	436531
Family Lysianassidae		436780
<u>Boeckosimus affinis</u>	(Hansen 1887)	436241
<u>Onisimus</u> sp.	Boeck 1871	436500
<u>Onisimus glacialis</u>	G.O. Sars 1900	436501
<u>Onisimus littoralis</u>	(Kroyer 1845)	436502
<u>Onisimus nanseni</u>	G.O. Sars 1900	436503
Family Oedicerotidae		
<u>Aceroides iatipes</u>	G.O. Sars 1895	436161
<u>Monoculodes</u> sp.	Stimpson 1853	436470
<u>Monoculodes packardii</u>	Boeck 1871	436473
<u>Oediceros</u> sp.	Kroyer 1842	436690
<u>Paroediceros</u> sp.	G.O. Sars 1892	436550
<u>Paroediceros lynceus</u>	(M. Sars 1858)	436551
<u>Paroediceros propinquus</u>	(M. Sars 1858)	436552
Family Pontoporeiidae		
<u>Pontoporeia</u> sp.	Kroyer 1842	436590
<u>Pontoporeia affinis</u>	Lindstrom 1855	436591
<u>Pontoporeia femorata</u>	Kroyer 1842	436592
Family Stenothoidae		
<u>Metopa</u> sp.	Boeck 1871	436450
<u>Metopa longirama</u>	Dunbar 1942	436452
Order Cumacea		
Family Diastylidae		
<u>Diastylis rathkei</u>	(Kroyer 1841)	395375
Order Decapoda		
Family Hippolytidae		
<u>Eualus gaimardii</u>	(Milne-Edwards 1837)	457061
Family Majidae		
<u>Hyas</u> sp.	Leach 1815	457110
Family Paguridae		457130
Order Euphausiacea		440000
Family Euphausiidae		
<u>Thysanoessa</u> sp.	Brandt 1851	446950
<u>Thysanoessa inermis</u>	(Kroyer 1846)	446951
<u>Thysanoessa raschii</u>	(M. Sars 1864)	446953
Order Isopoda		420000
Suborder Valvifera		
Family Idoteidae		
<u>Mesidotea entomon</u>	(Linnaeus 1767)	425811
Order Mysidacea		410000
Family Mysidae		
<u>Mysis litoralis</u>	(Banner 1948)	415661
<u>Mysis oculata</u>	(Fabricius 1780)	415662
<u>Mysis polaris</u>	Holmquist 1959	415664
<u>Mysis relicta</u>	Loven 1861	415663
<u>Neomysis intermedia</u>	(Czerniavsky 1882)	415702
Subphylum Uniramia		
Class Insecta		460000
Order Diptera		467260
Family Bibionidae		467261
Family Canaceidae		467265
Family Cecidomyiidae		467266
Family Ceratopogonidae		467262
Family Chironomidae		467250
Family Culicidae		467273
Family Dolichopodidae		467278
Family Empididae		467267
Family Mycetophilidae		467300
Family Phoridae		467268
Family Pipunculidae		467269

Table 11. Systematic list and scientific names of zooplankton captured in Tuktoyaktuk Harbour, 1984 to 1987 (CONTINUED).

Scientific Name and Phylogenetic Relationship	Authority	Species Code
Family Sciaridae		467264
Family Simuliidae		467274
Family Tipulidae		467271
Order Coleoptera		467330
Family Carabidae		467332
Family Staphylinidae		467333
Order Ephemeroptera		467360
Family Baetidae		467361
Order Hemiptera		
Family Miridae		467411
Order Homoptera		
Family Aphididae		467321
Family Psyllidae		467322
Family Cicadellidae		467323
Order Hymenoptera		
Superfamily Chalcidoidea		467281
Superfamily Cynipoidea		
Family Cynipidae		467311
Superfamily Ichneumonoidea		
Family Braconidae		467282
Family Ichneumonidae		467284
Superfamily Scolioidea		
Family Formicidae		467283
Order Neuroptera		
Family Corydalidae		467351
Order Thysanoptera		
Family Thripidae		467420
Phylum Tardigrada		
<u>Halobiotus arcturulus</u>	Crip and Kristensen 1983	477451
Phylum Bryozoa (=Ectoprocta)		
Class Phylactolaemata		
Family Cristatellidae		
<u>Cristatella mucedo</u>	Cuvier 1798	558381
Class Gymnolaemata		
Order Cheilostomata		
Family Scrupariidae		
<u>Eucreatea loricata</u>	(Linnaeus 1758)	558391
Phylum Chaetognatha		580000
Class Sagittoidea		
Order Aphragmophora		
Family Sagittidae		
<u>Sagitta</u> sp.	Quay & Gaimard 1827	588660
<u>Sagitta elegans</u>	Verrill 1873	588661
Order Phragmophora		
Family Eukrohniidae		
<u>Eukrohnia hamata</u>	Mobius 1875	588651
Phylum Chordata		
Subphylum Urochordata		
Class Larvacea		
Family Oikopleuridae		
<u>Oikopleura</u> sp.	Mertens 1830	649200
Unidentified fish egg		880000
Unidentified invertebrate		910000
Unidentified egg		920000

Table 12. Systematic list, and scientific and common names of larval and post larval fish captured in Tuktoyaktuk Harbour, 1984 to 1987.

Scientific Name and Phylogenetic Relationship	Common Name	Species Code
Phylum Chordata		
Subphylum Vertebrata		
Class Osteichthyes		
Order Clupeiformes		
Family Clupeidae		
<u>Clupea harengus pallasii</u> Valenciennes 1847	Pacific herring	759251
Order Gadiformes		
Family Gadidae		
<u>Boreogadus saida</u> (Lepechin 1774)	Arctic cod	789351
<u>Eleginus gracilis</u> (Tilesius 1810)	Saffron cod	789361
Order Perciformes		
Family Stichaeidae	Eelblenny	840000
Order Pleuronectiformes		
Family Pleuronectidae		860000
<u>Platichthys stellatus</u> (Pallas 1814)	Starry flounder	869601
Order Salmoniformes		
Family Osmeridae		
<u>Osmerus mordax</u> (Mitchill 1814)	Rainbow smelt	769281
Family Salmonidae		
<u>Coregonus</u> sp. Lacepede 1803		779290
<u>Coregonus autumnalis</u> (Pallas 1776)	Arctic cisco	779291
Order Scorpaeniformes		
Family Cottidae		
<u>Myoxocephalus quadricornis</u> (Linnaeus 1758)	Fourhorn sculpin	809441
Unidentified fish larvae		870000

Table 13. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 763 µm wisconsin nets during 1984.

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
24	<i>Limnocalanus macrurus</i>		15	4	28	<i>Mysis littoralis</i>		1064	578
24	<i>Daphnia</i> sp.	93	1	Trace	28	<i>Aceroides latipes</i>		360	196
24	<i>Eucratea loricata</i>	30	0	Present	28	<i>Hyperia galba</i>		1	Trace
25	<i>Calanus glacialis</i>		8	2	41	Class Hydrozoa	26	0	Present
25	<i>Heterocope</i> sp.	4	8	2	41	<i>Limnocalanus macrurus</i>		7	1
25	<i>Limnocalanus macrurus</i>		2144	569	41	<i>Gammarus wilkitzkii</i>	4	2	Trace
25	<i>Mysis littoralis</i>		184	49	42	<i>Limnocalanus macrurus</i>		17	5
25	<i>Mesidotea entomon</i>		1	Trace	42	<i>Mysis littoralis</i>	5	1	Trace
25	<i>Aceroides latipes</i>		9	2	42	<i>Onisimus littoralis</i>	4	1	Trace
25	<i>Pontoporeia affinis</i>		2	Trace	42	<i>Eucratea loricata</i>	30	0	Present
25	<i>Pontoporeia femorata</i>		2	Trace	43	<i>Keratella</i> sp.	5	10	3
25	<i>Cristatella mucedo</i>	29	1	Trace	43	<i>Limnocalanus macrurus</i>		5	1
26	Class Hydrozoa	26	0	Present	44	<i>Limnocalanus macrurus</i>		209	49
26	<i>Limnocalanus macrurus</i>		968	325	44	Order Mysidacea	2	1	Trace
26	<i>Mysis littoralis</i>		614	206	44	<i>Monoculodes</i> sp.	4	3	Trace
26	<i>Aceroides latipes</i>		48	16	45	<i>Limnocalanus macrurus</i>		376	153
26	<i>Gammarus</i> sp.	39	0	Present	45	<i>Mysis littoralis</i>		96	39
26	<i>Onisimus nansenii</i>		4	1	45	<i>Aceroides latipes</i>		8	3
26	<i>Pontoporeia affinis</i>		30	10	45	<i>Monoculodes</i> sp.	4	10	4
27	<i>Obelia</i> sp.	26	0	Present	45	<i>Onisimus littoralis</i>	4	2	Trace
27	<i>Calanus hyperboreus</i>		98	34	45	<i>Pontoporeia affinis</i>	4	22	9
27	<i>Limnocalanus macrurus</i>		4670	1622	45	<i>Limacina helicina</i>		2	Trace
27	<i>Mysis littoralis</i>		768	267	45	<i>Eukrohnia hamata</i>		2	Trace
27	<i>Mesidotea entomon</i>	4	1	Trace	46	<i>Limnocalanus macrurus</i>		54	20
27	<i>Hyperia galba</i>		1	Trace	46	Order Mysidacea		1	Trace
28	<i>Aglantha digitale</i>		192	104	46	<i>Mysis littoralis</i>		30	11
28	<i>Calanus glacialis</i>		88	48	46	<i>Onisimus littoralis</i>	4	2	Trace
28	<i>Calanus hyperboreus</i>		88	48	46	<i>Pontoporeia affinis</i>	4	20	8
28	<i>Limnocalanus macrurus</i>		6344	3448					

<sup>a</sup> Comment code descriptions given in Table 9.

Table 14. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 85 µm bongo nets during 1985.

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
12	Phylum Rotifera	5	500	11628	12	Order Cyclopoida	79	100	2326
12	Keratella cochlearis		26400	613953	12	Order Harpacticoida		15200	353488
12	Keratella quadrata		1000	23256	12	Bosmina sp.		100	2326
12	Kellicottia sp.		1300	30233	12	Oediceros sp.	38	2	47
12	Polyarthra sp.		200	4651	12	Class Gastropoda	32	400	9302
12	Class Polychaeta	16	3200	74419	12	Unidentified egg	83	4	93
12	Acartia clausi	75	200	4651					
12	Acartia clausi	77	1	23	13	Phylum Rotifera	5	100	2326
12	Diaptomus sp.	73	200	4651	13	Keratella cochlearis		29900	695349
12	Diaptomus sp.	74	500	11628	13	Keratella quadrata		1000	23256
12	Diaptomus sp.	76	100	2326	13	Kellicottia sp.		1500	34884
12	Epischura lacustris	76	4	93	13	Polyarthra sp.		100	2326
12	Epischura lacustris	77	5	116	13	Class Polychaeta	38	4500	104651
12	Eurytemora raboti	71	300	6977	13	Cyclops sp.	82	100	2326
12	Eurytemora raboti	72	200	4651	13	Cyclopina sp.	77	100	2326
12	Eurytemora raboti	73	400	9302	13	Diaptomus sp.	74	100	2326
12	Eurytemora raboti	76	5	116	13	Diaptomus sp.	76	200	4651
12	Eurytemora americana	71	1200	27907	13	Eurytemora raboti	71	600	13953
12	Eurytemora americana	72	1000	23256	13	Eurytemora raboti	72	1300	30233
12	Eurytemora americana	73	700	16279	13	Eurytemora raboti	73	1000	23256
12	Eurytemora americana	74	1200	27907	13	Eurytemora raboti	74	100	2326
12	Eurytemora americana	75	1500	34884	13	Eurytemora raboti	75	100	2326
12	Eurytemora americana	76	100	2326	13	Eurytemora raboti	76	100	2326
12	Eurytemora americana	77	200	4651	13	Eurytemora americana	71	800	18605
12	Limnocalanus macrurus	76	300	6977	13	Eurytemora americana	72	600	13953
12	Limnocalanus macrurus	77	100	2326	13	Eurytemora americana	73	400	9302
12	Microsetella norvegica	76	100	2326	13	Eurytemora americana	74	700	16279
12	Microsetella norvegica	81	200	4651	13	Eurytemora americana	75	1200	27907
12	Pseudocalanus minutus	76	5	116	13	Eurytemora americana	76	300	6977
12	Spinocalanus longicornis	71	4800	111628	13	Eurytemora americana	77	400	9302
12	Spinocalanus longicornis	72	2300	53488	13	Limnocalanus macrurus	76	500	11628
12	Spinocalanus longicornis	73	1600	37209	13	Microsetella norvegica	76	300	6977
12	Spinocalanus longicornis	74	800	18605	13	Microsetella norvegica	81	400	9302
12	Spinocalanus longicornis	75	400	9302	13	Oithona similis	82	100	2326
12	Spinocalanus longicornis	76	100	2326	13	Oncaea borealis	76	100	2326
12	Jaschnovia (=Derjuginia) tolli	73	3	70	13	Oncaea borealis	77	100	2326
12	Jaschnovia (=Derjuginia) tolli	74	48	1116	13	Pseudocalanus minutus	74	800	18605
12	Jaschnovia (=Derjuginia) tolli	75	10	233	13	Pseudocalanus minutus	75	100	2326
12	Order Calanoida	72	100	2326	13	Pseudocalanus minutus	76	300	6977
12	Order Calanoida	78	3300	76744	13	Pseudocalanus minutus	77	1	23
12	Order Cyclopoida	78	10800	251163	13	Spinocalanus longicornis	71	3300	76744

a Comment code descriptions given in Table 9.

Table 14. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 85 µm bongo nets during 1985 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
13	<i>Spinocalanus longicornis</i>	72	2700	62791	147	<i>Eurytemora americana</i>	73	600	13333
13	<i>Spinocalanus longicornis</i>	73	1200	27907	147	<i>Eurytemora americana</i>	74	100	2222
13	<i>Spinocalanus longicornis</i>	74	700	16279	147	<i>Eurytemora americana</i>	75	700	15556
13	<i>Spinocalanus longicornis</i>	75	200	4651	147	<i>Eurytemora americana</i>	76	400	8889
13	<i>Jaschnovia (=Derjuginia) tolli</i>	73	5	116	147	<i>Eurytemora americana</i>	77	600	13333
13	<i>Jaschnovia (=Derjuginia) tolli</i>	74	44	1023	147	<i>Limnocalanus macrurus</i>	74	100	2222
13	<i>Jaschnovia (=Derjuginia) tolli</i>	75	16	372	147	<i>Limnocalanus macrurus</i>	75	10	222
13	Order Calanoida	78	5800	134884	147	<i>Limnocalanus macrurus</i>	76	160	3556
13	Order Cyclopoida	78	12600	293023	147	<i>Limnocalanus macrurus</i>	77	30	667
13	Order Harpacticoida	78	13900	323256	147	<i>Microsetella norvegica</i>	81	500	11111
13	<i>Bosmina</i> sp.		600	13953	147	<i>Oithona similis</i>	76	800	17778
13	<i>Oediceros</i> sp.	38	2	47	147	<i>Oithona similis</i>	77	200	4444
13	Class Gastropoda	32	200	4651	147	<i>Oithona similis</i>	81	700	15556
13	Unidentified egg	83	6	140	147	<i>Oithona similis</i>	82	1700	37778
147	Class Hydrozoa	38	1	22	147	<i>Oncaea borealis</i>	76	100	2222
147	Phylum Rotifera	5	23000	511111	147	<i>Oncaea borealis</i>	77	1300	28889
147	<i>Keratella cochlearis</i>		71000	1577778	147	<i>Oncaea borealis</i>	81	100	2222
147	<i>Keratella quadrata</i>		2000	44444	147	<i>Pseudocalanus minutus</i>	71	400	8889
147	<i>Kellicottia</i> sp.		1000	22222	147	<i>Pseudocalanus minutus</i>	72	200	4444
147	<i>Polyarthra</i> sp.		62000	1377778	147	<i>Pseudocalanus minutus</i>	73	100	2222
147	Class Polychaeta	32	1400	31111	147	<i>Pseudocalanus minutus</i>	74	1400	31111
147	Class Polychaeta	38	3000	66667	147	<i>Pseudocalanus minutus</i>	75	100	2222
147	<i>Acartia clausi</i>	75	10	222	147	<i>Pseudocalanus minutus</i>	76	300	6667
147	<i>Acartia clausi</i>	76	100	2222	147	<i>Thysbe furcata</i>	71	100	2222
147	<i>Acartia clausi</i>	77	10	222	147	<i>Thysbe furcata</i>	74	100	2222
147	<i>Acartia longiremis</i>	76	200	4444	147	<i>Jaschnovia (=Derjuginia) tolli</i>	74	40	889
147	<i>Cyclops</i> sp.	77	100	2222	147	<i>Jaschnovia (=Derjuginia) tolli</i>	75	110	2444
147	<i>Cyclops</i> sp.	81	2000	44444	147	Order Calanoida	78	5200	115556
147	<i>Cyclops</i> sp.	82	4500	100000	147	Order Cyclopoida	79	1000	22222
147	<i>Diaptomus</i> sp.	77	100	2222	147	Order Harpacticoida	78	2900	64444
147	<i>Epischura lacustris</i>	76	10	222	147	Order Harpacticoida	78	3300	73333
147	<i>Epischura lacustris</i>	77	30	667	147	Order Harpacticoida	79	600	13333
147	<i>Eurytemora raboti</i>	71	700	15556	147	<i>Oediceros</i> sp.	38	17	378
147	<i>Eurytemora raboti</i>	72	2500	55556	147	Class Gastropoda	32	300	6667
147	<i>Eurytemora raboti</i>	73	4700	104444	148	Phylum Rotifera	5	11000	244444
147	<i>Eurytemora raboti</i>	74	1600	35556	148	<i>Keratella cochlearis</i>		61000	1355556
147	<i>Eurytemora raboti</i>	75	200	4444	148	<i>Keratella quadrata</i>		4000	88889
147	<i>Eurytemora americana</i>	71	300	6667	148	<i>Kellicottia</i> sp.		3000	66667
147	<i>Eurytemora americana</i>	72	400	8889	148	<i>Polyarthra</i> sp.		14000	311111

<sup>a</sup> Comment code descriptions given in Table 9.

Table 14. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 85 µm bongo nets during 1985 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
148	Class Polychaeta	32	500	11111	148	Thisbe furcata	74	400	8889
148	Class Polychaeta	38	3000	66667	148	Jaschnovia (=Derjuginia) tolli	74	30	667
148	Acartia clausi	76	200	4444	148	Jaschnovia (=Derjuginia) tolli	75	170	3778
148	Acartia longiremis	74	100	2222	148	Order Calanoida	5	200	4444
148	Acartia longiremis	75	100	2222	148	Order Calanoida	78	7300	162222
148	Acartia longiremis	76	100	2222	148	Order Calanoida	79	800	17778
148	Cyclops sp.	76	10	222	148	Order Calanoida	80	200	4444
148	Cyclops sp.	81	900	20000	148	Order Cyclopoidea	78	2500	55556
148	Cyclops sp.	82	3200	71111	148	Order Harpacticoida	78	2600	57778
148	Epischura lacustris	76	30	667	148	Order Harpacticoida	79	1300	28889
148	Epischura lacustris	77	20	444	148	Oedicerus sp.	38	5	111
148	Eurytemora raboti	71	1300	28889	148	Class Gastropoda	32	200	4444
148	Eurytemora raboti	72	2900	64444	148	Sagitta elegans	31	1	22
148	Eurytemora raboti	73	4600	102222	148	Unidentified egg	83	2	44
148	Eurytemora raboti	74	2800	62222					
148	Eurytemora raboti	75	300	6667	155	Class Hydrozoa	38	10	303
148	Eurytemora raboti	76	10	222	155	Keratella cochlearis		81600	2472727
148	Eurytemora raboti	77	100	2222	155	Keratella quadrata		500	15152
148	Eurytemora americana	74	400	8889	155	Kellicottia sp.		1200	36364
148	Eurytemora americana	75	900	20000	155	Polyarthra sp.		8100	245455
148	Eurytemora americana	76	200	4444	155	Class Polychaeta	32	300	9091
148	Eurytemora americana	77	900	20000	155	Class Polychaeta	38	2400	72727
148	Limnocalanus macrurus	74	10	222	155	Acartia clausi	75	100	3030
148	Limnocalanus macrurus	76	210	4667	155	Acartia clausi	76	100	3030
148	Limnocalanus macrurus	77	140	3111	155	Cyclopina sp.	82	1500	45455
148	Microsetella norvegica	81	800	17778	155	Eurytemora raboti	71	300	9091
148	Oithona similis	76	600	13333	155	Eurytemora raboti	72	500	15152
148	Oithona similis	81	1100	24444	155	Eurytemora raboti	73	1500	45455
148	Oithona similis	82	1900	42222	155	Eurytemora raboti	74	800	24242
148	Oncaea borealis	76	200	4444	155	Eurytemora raboti	75	200	6061
148	Oncaea borealis	77	600	13333	155	Eurytemora raboti	76	10	303
148	Oncaea borealis	81	300	6667	155	Eurytemora americana	71	700	21212
148	Pseudocalanus minutus	71	600	13333	155	Eurytemora americana	73	100	3030
148	Pseudocalanus minutus	72	100	2222	155	Eurytemora americana	74	200	6061
148	Pseudocalanus minutus	73	200	4444	155	Eurytemora americana	75	400	12121
148	Pseudocalanus minutus	74	1400	31111	155	Eurytemora americana	76	10	303
148	Pseudocalanus minutus	75	400	8889	155	Eurytemora americana	77	200	6061
148	Pseudocalanus minutus	76	900	20000	155	Limnocalanus macrurus	76	160	4848
148	Pseudocalanus minutus	77	1	22	155	Limnocalanus macrurus	77	150	4545
148	Thisbe furcata	73	300	6667	155	Microsetella norvegica	81	300	9091

<sup>a</sup> Comment code descriptions given in Table 9.

Table 14. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 85 µm bongo nets during 1985 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
155	<i>Oithona similis</i>	76	100	3030	156	<i>Eurytemora raboti</i>	71	500	15152
155	<i>Oithona similis</i>	81	500	15152	156	<i>Eurytemora raboti</i>	72	700	21212
155	<i>Oithona similis</i>	82	300	9091	156	<i>Eurytemora raboti</i>	73	1500	45455
155	<i>Oncaea borealis</i>	77	200	6061	156	<i>Eurytemora raboti</i>	74	1600	48485
155	<i>Pseudocalanus minutus</i>	73	100	3030	156	<i>Eurytemora raboti</i>	75	400	12121
155	<i>Pseudocalanus minutus</i>	74	500	15152	156	<i>Eurytemora raboti</i>	76	10	303
155	<i>Pseudocalanus minutus</i>	75	200	6061	156	<i>Eurytemora americana</i>	74	200	6061
155	<i>Pseudocalanus minutus</i>	76	200	6061	156	<i>Eurytemora americana</i>	75	300	9091
155	<i>Thisbe furcata</i>	71	500	15152	156	<i>Eurytemora americana</i>	76	30	909
155	<i>Thisbe furcata</i>	72	100	3030	156	<i>Eurytemora americana</i>	77	10	303
155	<i>Thisbe furcata</i>	73	100	3030	156	<i>Limnocalanus macrurus</i>	76	400	12121
155	<i>Thisbe furcata</i>	75	100	3030	156	<i>Limnocalanus macrurus</i>	77	200	6061
155	<i>Jaschnovia (=Derjuginia) tolli</i>	74	20	606	156	<i>Microsetella norvegica</i>	76	100	3030
155	<i>Jaschnovia (=Derjuginia) tolli</i>	75	40	1212	156	<i>Microsetella norvegica</i>	81	300	9091
155	Order Calanoida	78	3600	109091	156	<i>Oithona similis</i>	81	400	12121
155	Order Calanoida	79	500	15152	156	<i>Oithona similis</i>	82	200	6061
155	Order Cyclopoida	78	1500	45455	156	<i>Oncaea borealis</i>	77	200	6061
155	Order Harpacticoida	78	600	18182	156	<i>Pseudocalanus minutus</i>	72	100	3030
155	Order Harpacticoida	79	100	3030	156	<i>Pseudocalanus minutus</i>	73	200	6061
155	Oedicerus sp.	38	10	303	156	<i>Pseudocalanus minutus</i>	74	200	6061
155	Class Gastropoda	32	300	9091	156	<i>Pseudocalanus minutus</i>	76	10	303
155	<i>Sagitta elegans</i>	38	1	30	156	<i>Jaschnovia (=Derjuginia) tolli</i>	74	40	1212
					156	<i>Jaschnovia (=Derjuginia) tolli</i>	75	30	909
156	Class Hydrozoa	38	3	91	156	Order Calanoida	78	3100	93939
156	Phylum Rotifera	5	1500	45455	156	Order Calanoida	79	400	12121
156	<i>Keratella cochlearis</i>		73900	2239394	156	Order Cyclopoida	78	1700	51515
156	<i>Keratella quadrata</i>		200	6061	156	Order Harpacticoida	78	1900	57576
156	<i>Kellicottia</i> sp.		1600	48485	156	Order Harpacticoida	79	900	27273
156	<i>Polyarthra</i> sp.		5400	163636	156	<i>Bosmina</i> sp.		100	3030
156	Phylum Nematoda		1	30	156	Oedicerus sp.	38	5	152
156	Class Polychaeta	32	400	12121	156	Class Gastropoda	32	300	9091
156	Class Polychaeta	38	2500	75758	156	Unidentified invertebrate	32	1	30
156	<i>Acartia</i> sp.	73	100	3030	156	Unidentified egg	83	1	30
156	<i>Acartia</i> sp.	74	100	3030					
156	<i>Cyclops</i> sp.	76	10	303	221	Class Hydrozoa	38	1	32
156	<i>Cyclops</i> sp.	77	100	3030	221	Phylum Rotifera	5	1900	61290
156	<i>Cyclops</i> sp.	81	900	27273	221	<i>Keratella cochlearis</i>		31500	1016129
156	<i>Cyclops</i> sp.	82	400	12121	221	<i>Keratella quadrata</i>		400	12903
156	<i>Epischura lacustris</i>	76	1	30	221	<i>Kellicottia</i> sp.		100	3226
156	<i>Epischura lacustris</i>	77	2	61	221	<i>Polyarthra</i> sp.		24200	780645

a Comment code descriptions given in Table 9.



Table 14. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 85 µm bongo nets during 1985 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
221	Class Polychaeta	32	300	9677	221	Order Cyclopoida	78	600	19355
221	Class Polychaeta	38	1100	35484	221	Order Harpacticoida		1	32
221	Acartia clausi	76	20	645	221	Order Harpacticoida	78	2100	67742
221	Acartia clausi	77	3	97	221	Order Harpacticoida	79	700	22581
221	Acartia longiremis	76	10	323	221	Bosmina sp.		10	323
221	Cyclops sp.	81	700	22581	221	Oediceros sp.	38	5	161
221	Cyclops sp.	82	300	9677	221	Class Gastropoda	32	100	3226
221	Diaptomus sp.	76	20	645	221	Sagitta elegans	31	1	32
221	Diaptomus sp.	77	10	323					
221	Eurytemora raboti	71	300	9677	222	Phylum Rotifera	5	2800	90323
221	Eurytemora raboti	73	400	12903	222	Keratella cochlearis		12600	406452
221	Eurytemora raboti	74	170	5484	222	Keratella quadrata		40	1290
221	Eurytemora raboti	75	160	5161	222	Kellicottia sp.		30	968
221	Eurytemora raboti	76	20	645	222	Polyarthra sp.		4100	132258
221	Eurytemora raboti	77	230	7419	222	Class Polychaeta	38	370	11935
221	Eurytemora americana	71	300	9677	222	Acartia clausi	74	20	645
221	Eurytemora americana	73	100	3226	222	Acartia clausi	77	10	323
221	Eurytemora americana	74	500	16129	222	Cyclops sp.	76	20	645
221	Eurytemora americana	75	20	645	222	Cyclops sp.	77	20	645
221	Eurytemora americana	76	10	323	222	Cyclops sp.	81	100	3226
221	Limnocalanus macrurus	73	10	323	222	Cyclops sp.	82	130	4194
221	Limnocalanus macrurus	74	60	1935	222	Cyclopina sp.	82	17	548
221	Limnocalanus macrurus	75	40	1290	222	Eurytemora raboti	71	180	5806
221	Limnocalanus macrurus	76	140	4516	222	Eurytemora raboti	72	320	10323
221	Limnocalanus macrurus	77	60	1935	222	Eurytemora raboti	73	70	2258
221	Microsetella norvegica	81	500	16129	222	Eurytemora raboti	74	110	3548
221	Oithona similis	76	20	645	222	Eurytemora raboti	75	60	1935
221	Oithona similis	81	100	3226	222	Eurytemora raboti	76	60	1935
221	Oithona similis	82	100	3226	222	Eurytemora raboti	77	80	2581
221	Oncaea borealis	77	200	6452	222	Eurytemora americana	71	40	1290
221	Pseudocalanus minutus	71	300	9677	222	Eurytemora americana	72	100	3226
221	Pseudocalanus minutus	73	100	3226	222	Eurytemora americana	73	80	2581
221	Pseudocalanus minutus	74	500	16129	222	Eurytemora americana	74	20	645
221	Pseudocalanus minutus	75	100	3226	222	Eurytemora americana	75	50	1613
221	Pseudocalanus minutus	76	60	1935	222	Eurytemora americana	77	60	1935
221	Pseudocalanus minutus	77	1	32	222	Limnocalanus macrurus	73	10	323
221	Jaschnovia (=Derjuginia) tolli	74	20	645	222	Limnocalanus macrurus	74	20	645
221	Jaschnovia (=Derjuginia) tolli	75	30	968	222	Limnocalanus macrurus	75	40	1290
221	Order Calanoida	78	800	25806	222	Limnocalanus macrurus	76	70	2258
221	Order Calanoida	79	300	9677	222	Limnocalanus macrurus	77	50	1613

<sup>a</sup> Comment code descriptions given in Table 9.

Table 14. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 85 µm bongo nets during 1985 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
222	<i>Microsetella norvegica</i>	81	60	1935	229	Class Polychaeta	38	2300	53488
222	<i>Oithona similis</i>	76	30	968	229	Class Polychaeta	38	10	233
222	<i>Oithona similis</i>	77	20	645	229	<i>Acartia clausi</i>	76	100	2326
222	<i>Oithona similis</i>	81	110	3548	229	<i>Acartia longiremis</i>	76	100	2326
222	<i>Oithona similis</i>	82	70	2258	229	<i>Cyclops</i> sp.	77	100	2326
222	<i>Oncaea borealis</i>	77	60	1935	229	<i>Cyclops</i> sp.	81	2500	58140
222	<i>Pseudocalanus minutus</i>	71	70	2258	229	<i>Cyclops</i> sp.	82	2000	46512
222	<i>Pseudocalanus minutus</i>	72	70	2258	229	<i>Diaptomus</i> sp.	76	10	233
222	<i>Pseudocalanus minutus</i>	73	50	1613	229	<i>Eurytemora raboti</i>	71	1100	25581
222	<i>Pseudocalanus minutus</i>	74	140	4516	229	<i>Eurytemora raboti</i>	72	1100	25581
222	<i>Pseudocalanus minutus</i>	75	50	1613	229	<i>Eurytemora raboti</i>	73	400	9302
222	<i>Pseudocalanus minutus</i>	76	40	1290	229	<i>Eurytemora raboti</i>	74	1200	27907
222	<i>Pseudocalanus minutus</i>	77	10	323	229	<i>Eurytemora raboti</i>	75	800	18605
222	<i>Thisbe furcata</i>	71	20	645	229	<i>Eurytemora raboti</i>	76	170	3953
222	<i>Thisbe furcata</i>	72	70	2258	229	<i>Eurytemora raboti</i>	77	500	11628
222	<i>Thisbe furcata</i>	73	70	2258	229	<i>Eurytemora americana</i>	71	1800	41860
222	<i>Thisbe furcata</i>	74	20	645	229	<i>Eurytemora americana</i>	72	900	20930
222	<i>Thisbe furcata</i>	75	10	323	229	<i>Eurytemora americana</i>	73	600	13953
222	<i>Jaschnovia (=Derjuginia) tolli</i>	73	10	323	229	<i>Eurytemora americana</i>	74	600	13953
222	<i>Jaschnovia (=Derjuginia) tolli</i>	74	4	129	229	<i>Eurytemora americana</i>	75	300	6977
222	<i>Jaschnovia (=Derjuginia) tolli</i>	75	10	323	229	<i>Eurytemora americana</i>	76	50	1163
222	Order Calanoida	78	480	15484	229	<i>Eurytemora americana</i>	77	800	18605
222	Order Calanoida	79	60	1935	229	<i>Limnocalanus macrurus</i>	73	10	233
222	Order Cyclopoida	78	120	3871	229	<i>Limnocalanus macrurus</i>	74	10	233
222	Order Harpacticoida	78	570	18387	229	<i>Limnocalanus macrurus</i>	75	20	465
222	Order Harpacticoida	79	420	13548	229	<i>Limnocalanus macrurus</i>	76	120	2791
222	<i>Bosmina</i> sp.		10	323	229	<i>Limnocalanus macrurus</i>	77	130	3023
222	<i>Onisimus littoralis</i>	31	1	32	229	<i>Microsetella norvegica</i>	76	200	4651
222	<i>Oedicerus</i> sp.	38	2	65	229	<i>Microsetella norvegica</i>	81	500	11628
222	Family Chironomidae	32	10	323	229	<i>Oithona similis</i>	76	100	2326
222	Class Gastropoda	32	10	323	229	<i>Oithona similis</i>	81	300	6977
229	Class Hydrozoa	38	10	233	229	<i>Oithona similis</i>	82	1700	39535
229	<i>Eumedusa</i> sp.	38	2	47	229	<i>Oncaea borealis</i>	76	100	2326
229	Phylum Rotifera	5	2900	67442	229	<i>Oncaea borealis</i>	77	500	11628
229	<i>Keratella cochlearis</i>		61000	1418605	229	<i>Oncaea borealis</i>	81	100	2326
229	<i>Keratella quadrata</i>		700	16279	229	<i>Pseudocalanus minutus</i>	73	100	2326
229	<i>Kellicottia</i> sp.		700	16279	229	<i>Pseudocalanus minutus</i>	74	900	20930
229	<i>Polyarthra</i> sp.		63000	1465116	229	<i>Pseudocalanus minutus</i>	75	200	4651
229	Class Polychaeta	32	400	9302	229	<i>Pseudocalanus minutus</i>	76	210	4884
					229	<i>Pseudocalanus minutus</i>	77	40	930

a Comment code descriptions given in Table 9.

Table 14. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 85 µm bongo nets during 1985 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
229	<i>Thisbe furcata</i>	73	100	2326	230	<i>Eurytemora raboti</i>	77	390	9070
229	<i>Thisbe furcata</i>	74	100	2326	230	<i>Eurytemora americana</i>	71	1800	41860
229	<i>Jaschnovia (=Derjuginia) tolli</i>	73	20	465	230	<i>Eurytemora americana</i>	72	1400	32558
229	<i>Jaschnovia (=Derjuginia) tolli</i>	74	30	698	230	<i>Eurytemora americana</i>	73	800	18605
229	<i>Jaschnovia (=Derjuginia) tolli</i>	75	180	4186	230	<i>Eurytemora americana</i>	74	600	13953
229	Order Calanoida	78	7100	165116	230	<i>Eurytemora americana</i>	75	700	16279
229	Order Calanoida	79	3200	74419	230	<i>Eurytemora americana</i>	76	60	1395
229	Order Cyclopoida	78	1400	32558	230	<i>Eurytemora americana</i>	77	300	6977
229	Order Harpacticoida	78	5000	116279	230	<i>Limnocalanus macrurus</i>	74	30	698
229	Order Harpacticoida	79	3900	90698	230	<i>Limnocalanus macrurus</i>	75	30	698
229	Class Gastropoda	32	400	9302	230	<i>Limnocalanus macrurus</i>	76	240	5581
230	Class Hydrozoa	38	1	23	230	<i>Limnocalanus macrurus</i>	77	150	3488
230	Phylum Rotifera	5	2200	51163	230	<i>Microsetella norvegica</i>	76	100	2326
230	<i>Keratella cochlearis</i>		54100	1258140	230	<i>Microsetella norvegica</i>	81	200	4651
230	<i>Keratella quadrata</i>		800	18605	230	<i>Oithona similis</i>	76	400	9302
230	<i>Kellicottia</i> sp.		1900	44186	230	<i>Oithona similis</i>	81	1200	27907
230	<i>Polyarthra</i> sp.		60200	1400000	230	<i>Oithona similis</i>	82	2100	48837
230	Class Polychaeta	32	600	13953	230	<i>Pseudocalanus minutus</i>	71	100	2326
230	Class Polychaeta	38	1800	41860	230	<i>Pseudocalanus minutus</i>	73	100	2326
230	<i>Acartia longiremis</i>	75	20	465	230	<i>Pseudocalanus minutus</i>	74	700	16279
230	<i>Acartia longiremis</i>	76	50	1163	230	<i>Pseudocalanus minutus</i>	75	260	6047
230	<i>Acartia longiremis</i>	77	30	698	230	<i>Pseudocalanus minutus</i>	76	420	9767
230	<i>Cyclops</i> sp.	76	1	23	230	<i>Jaschnovia (=Derjuginia) tolli</i>	73	20	465
230	<i>Cyclops</i> sp.	81	2800	65116	230	<i>Jaschnovia (=Derjuginia) tolli</i>	74	40	930
230	<i>Cyclops</i> sp.	82	3100	72093	230	<i>Jaschnovia (=Derjuginia) tolli</i>	75	170	3953
230	<i>Cyclopina</i> sp.	82	10	233	230	Order Calanoida	78	8100	188372
230	<i>Diaptomus sicilis</i>	77	20	465	230	Order Calanoida	79	3600	83721
230	<i>Eurytemora herdmanni</i>	76	10	233	230	Order Cyclopoida	78	2000	46512
230	<i>Eurytemora raboti</i>	71	1100	25581	230	Order Harpacticoida	78	4300	100000
230	<i>Eurytemora raboti</i>	72	1200	27907	230	Order Harpacticoida	79	2500	58140
230	<i>Eurytemora raboti</i>	73	800	18605	230	<i>Bosmina</i> sp.		100	2326
230	<i>Eurytemora raboti</i>	74	1000	23256	230	<i>Oediceros</i> sp.	38	3	70
230	<i>Eurytemora raboti</i>	75	700	16279	230	Class Gastropoda	32	100	2326
230	<i>Eurytemora raboti</i>	76	260	6047	230	Phylum Chaetognatha	5	1	23

a Comment code descriptions given in Table 9.

Table 15. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 500 µm neuston nets during 1985.

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
21	Class Copepoda		1285	808	141	Epischura nevadensis		16	10
21	Diaptomus sp.		980	616	141	Eurytemora raboti		312	199
21	Limnocalanus macrurus		202	127	141	Eurytemora raboti	6	1296	825
21	Pseudocalanus minutus		5	3	141	Limnocalanus macrurus		80	51
21	Phylum Chaetognatha		11	7	141	Family Chironomidae		2	1
					141	Family Sciaridae		1	Trace
22	Cyclops vernalis		160	101	142	Class Copepoda		2192	1491
22	Diaptomus sp.	6	224	141	142	Diaptomus sp.		3360	2286
22	Diaptomus sicilis		96	60	142	Limnocalanus macrurus		80	54
22	Epischura lacustris		128	81	142	Class Insecta		6	4
22	Eurytemora raboti		1056	664					
22	Eurytemora raboti	6	1904	1197	149	Cyclops vernalis		80	57
22	Limnocalanus macrurus		1968	1238	149	Diaptomus sp.	6	48	34
22	Mesidotea entomon	32	1	Trace	149	Diaptomus sicilis		208	148
22	Haloblotus arcturullus		1	Trace	149	Diaptomus ashlandi		16	11
27	Class Copepoda		2688	1792	149	Epischura sp.	6	16	11
27	Diaptomus sp.		3296	2197	149	Epischura lacustris		64	45
27	Limnocalanus macrurus		160	107	149	Eurytemora raboti		896	635
28	Cyclops vernalis		496	328	149	Eurytemora raboti	6	2960	2099
28	Diaptomus sp.	6	1008	668	149	Limnocalanus macrurus		48	34
28	Diaptomus sicilis		112	74	149	Mesidotea entomon	32	1	Trace
28	Diaptomus nevadensis		128	85	149	Gammarus wilkitzkii	39	1	Trace
28	Epischura sp.	6	432	286	149	Family Chironomidae		20	14
28	Epischura lacustris		496	328	149	Family Sciaridae		3	2
28	Eurytemora raboti		2256	1494	149	Family Pipunculidae		1	Trace
28	Eurytemora raboti	6	4352	2882	149	Family Braconidae		1	Trace
28	Eurytemora canadensis		96	64	150	Class Copepoda		1168	779
28	Limnocalanus macrurus		864	572	150	Diaptomus sp.		1904	1269
28	Mysis litoralis		1	Trace	150	Limnocalanus macrurus		96	64
28	Gammarus wilkitzkii		1	Trace	150	Suborder Cladocera		8	5
					150	Class Insecta		8	5
141	Cyclops vernalis		560	357	215	Class Copepoda	5	0	Present
141	Diaptomus sp.	6	536	341	215	Cyclops vernalis		80	56
141	Diaptomus sicilis		224	143	215	Diaptomus sp.	6	96	68
141	Diaptomus ashlandi		88	56	215	Diaptomus sicilis		408	287
141	Epischura sp.	6	88	56	215	Diaptomus ashlandi	4	104	73
141	Epischura lacustris		256	163					

a Comment code descriptions given in Table 9.

Table 15. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 500 µm neuston nets during 1985 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
215	Epischura sp.	6	40	28	223	Family Mycetophilidae		1	Trace
215	Epischura lacustris		16	11	223	Family Psyllidae		1	Trace
215	Eurytemora raboti		440	310	223	Family Carabidae		1	Trace
215	Eurytemora raboti	6	880	620	223	Family Staphylinidae		1	Trace
215	Limnocalanus macrurus		200	141	223	Family Corydalidae		1	Trace
215	Family Chironomidae		35	25					
215	Family Bibonidae		1	Trace	224	Class Ostracoda		4	3
215	Family Ceratopogonidae		8	6	224	Class Copepoda		760	497
215	Family Sciaridae		2	1	224	Diaptomus sp.		1004	656
215	Superfamily Chalcidoidea		1	Trace	224	Limnocalanus macrurus		32	21
215	Family Formicidae		1	Trace	224	Suborder Cladocera		4	3
215	Family Cicadellidae		1	Trace	224	Class Insecta		100	65
215	Family Baetidae		1	Trace	224	Class Insecta		175	114
216	Class Copepoda		3424	2268	325	Class Hydrozoa		12	9
216	Diaptomus sp.		8	5	325	Class Copepoda		600	435
216	Limnocalanus macrurus		144	95	325	Diaptomus sp.		8	6
216	Suborder Cladocera		8	5	325	Limnocalanus macrurus		1656	1200
216	Class Insecta		43	28	325	Pseudocalanus minutus		816	591
					325	Order Amphipoda		1	Trace
223	Cyclops vernalis		304	196	325	Phylum Chaetognatha		36	26
223	Diaptomus sp.		112	72					
223	Diaptomus sicilis		1120	723	326	Halitholus cirratus		2	1
223	Epischura sp.		80	52	326	Acartia bifilosa		48	36
223	Epischura lacustris		48	31	326	Eurytemora raboti		72	53
223	Eurytemora sp.		3312	2137	326	Eurytemora raboti	6	232	172
223	Eurytemora raboti		2016	1301	326	Limnocalanus macrurus		2024	1499
223	Limnocalanus macrurus		240	155	326	Pseudocalanus minutus		280	207
223	Gammarus wilkitzkii		1	Trace	326	Sagitta elegans		7	5
223	Gammarus wilkitzkii	39	1	Trace	326	Sagitta elegans	5	8	6
223	Family Chironomidae		116	75					
223	Family Sciaridae		15	10	331	Acartia bifilosa		272	186
223	Family Canaceidae		1	Trace	331	Eurytemora raboti		248	170
223	Family Cecidomyiidae		3	2	331	Eurytemora raboti	6	488	334
223	Family Empididae		4	3	331	Limnocalanus macrurus		3192	2186
223	Family Phoridae		1	Trace	331	Pseudocalanus minutus		280	192
223	Superfamily Chalcidoidea		3	2					
223	Family Braconidae		2	1	332	Class Hydrozoa		1	Trace
223	Family Formicidae		7	5	332	Class Copepoda		784	603

a Comment code descriptions given in Table 9.

Table 15. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 500  $\mu$ m neuston nets during 1985 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
332	Diaptomus sp.		336	258	332	Class Insecta	8	6	
332	Limnocalanus macrurus		1928	1483	332	Phylum Chaetognatha	1	Trace	
332	Pseudocalanus minutus		208	160					

a Comment code descriptions given in Table 9.

Table 16. Count and abundance (Number/100 m<sup>3</sup>), or presence/absence of animals captured in 500 µm bongo nets during 1985.

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
14	Class Copepoda				20	Neomysis intermedia		1	Trace
14	Limnocalanus macrurus				20	Aceroides latipes		6	3
14	Pseudocalanus minutus				20	Monoculodes sp.	39	0	Present
14	Order Mysidacea				20	Monoculodes packardii		157	87
14	Order Amphipoda				20	Onisimus nansenii		3	2
14	Phylum Chaetognatha				20	Paroediceros lynceus		47	26
15	Class Copepoda				20	Pontoporeia affinis		23	13
15	Limnocalanus macrurus				20	Phylum Chaetognatha	5	1	Trace
15	Order Mysidacea				20	Sagitta elegans		9	5
15	Order Amphipoda				23	Class Copepoda			
15	Phylum Chaetognatha				23	Diaptomus sp.			
17	Class Copepoda				23	Limnocalanus macrurus			
17	Limnocalanus macrurus				23	Pseudocalanus minutus			
17	Order Mysidacea				23	Order Mysidacea			
17	Order Amphipoda				24	Calanus sp.	6	16	8
18	Epischura lacustris		160	88	24	Cyclops sp.	6	16	8
18	Eurytemora rabotii		96	53	24	Diaptomus sicilis		16	8
18	Limnocalanus macrurus		13248	7319	24	Epischura sp.	6	80	39
18	Mysis relicta		12	7	24	Epischura lacustris		320	157
18	Mesidotea entomon	32	4	2	24	Epischura nevadensis		320	157
18	Gammarus wilkitzkii		1	Trace	24	Limnocalanus macrurus		6976	3420
18	Pontoporeia affinis		28	15	24	Mysis relicta		5	2
19	Class Copepoda				24	Neomysis intermedia		1	Trace
19	Limnocalanus macrurus				24	Paroediceros lynceus		2	Trace
19	Pseudocalanus minutus				25	Class Copepoda			
19	Order Mysidacea				25	Limnocalanus macrurus			
19	Order Amphipoda				25	Pseudocalanus minutus			
19	Phylum Chaetognatha				25	Order Mysidacea			
20	Eurytemora rabotii		256	142	25	Order Amphipoda			
20	Gaidius tenuispinus		1024	569	25	Phylum Chaetognatha			
20	Limnocalanus macrurus		110336	61298	26	Epischura lacustris		384	205
20	Pseudocalanus minutus		768	427	26	Gaidius tenuispinus		15360	8214
20	Mysis littoralis		2	1	26	Limnocalanus macrurus		21888	11705
20	Mysis relicta		87	48	26	Pseudocalanus minutus		6144	3286
					26	Mysis littoralis		3	2

a Comment code descriptions given in Table 9.

Table 16. Count and abundance (Number/100 m<sup>3</sup>), or presence/absence of animals captured in 500 µm bongo nets during 1985 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
26	<i>Mysis relicta</i>		70	37	146	<i>Gaidius tenuispinus</i>		96	49
26	<i>Aceroides latipes</i>		9	5	146	<i>Limnocalanus macrurus</i>		1264	652
26	<i>Monoculodes packardii</i>		196	105	146	<i>Pseudocalanus minutus</i>		48	25
26	<i>Onisimus nansenii</i>		1	Trace	146	<i>Paroedicerus lynceus</i>		1	Trace
26	<i>Paroedicerus lynceus</i>		359	192	146	<i>Eukrohnia hamata</i>		1	Trace
26	<i>Pontoporeia affinis</i>		2	1	146	<i>Sagitta elegans</i>		2	1
26	<i>Sagitta elegans</i>		34	18					
143	Class Copepoda				151	Class Polychaeta			
143	<i>Limnocalanus macrurus</i>				151	Class Copepoda			
143	<i>Pseudocalanus minutus</i>				151	<i>Diaptomus</i> sp.			
143	Order Mysidacea				151	<i>Limnocalanus macrurus</i>			
143	Order Amphipoda				151	<i>Pseudocalanus minutus</i>			
143	Phylum Chaetognatha				151	Order Mysidacea			
					151	Order Amphipoda			
					151	Class Insecta			
144	Class Polychaeta	39	0	Present	151	Phylum Chaetognatha			
144	<i>Epischura lacustris</i>		256	134					
144	<i>Eurytemora raboti</i>		128	67	152	<i>Bylgides sarsi</i>		1	Trace
144	<i>Gaidius tenuispinus</i>		28288	14810	152	<i>Diaptomus</i> sp.	6	128	77
144	<i>Limnocalanus macrurus</i>		11264	5897	152	<i>Diaptomus sicilis</i>		64	39
144	<i>Pseudocalanus minutus</i>		18048	9449	152	<i>Epischura nevadensis</i>	4	64	39
144	<i>Mysis relicta</i>		25	13	152	<i>Eurytemora herdmanni</i>	4	128	77
144	Order Amphipoda	39	0	Present	152	<i>Eurytemora raboti</i>	4	128	77
144	<i>Aceroides latipes</i>		1	Trace	152	<i>Gaidius tenuispinus</i>		12416	7480
144	<i>Monoculodes packardii</i>		15	8	152	<i>Limnocalanus macrurus</i>		9792	5899
144	<i>Paroedicerus lynceus</i>		354	185	152	<i>Pseudocalanus minutus</i>		6336	3817
144	<i>Sagitta elegans</i>		163	85	152	<i>Diastylis rathkei</i>		1	Trace
					152	<i>Mysis relicta</i>		33	20
145	Class Copepoda				152	<i>Monoculodes</i> sp.	5	29	17
145	<i>Diaptomus</i> sp.				152	<i>Monoculodes packardii</i>		12	7
145	<i>Limnocalanus macrurus</i>				152	<i>Paroedicerus lynceus</i>		309	186
145	<i>Pseudocalanus minutus</i>				152	Family Chironomidae		1	Trace
145	Order Mysidacea				152	Family Braconidae		1	Trace
					152	<i>Sagitta</i> sp.	5	1	Trace
146	<i>Diaptomus sicilis</i>		72	37	152	<i>Sagitta elegans</i>		37	22
146	<i>Epischura</i> sp.	6	48	25					
146	<i>Epischura lacustris</i>		712	367	153	Class Copepoda			
146	<i>Epischura nevadensis</i>		4722	2434	153	<i>Diaptomus</i> sp.			
146	<i>Eurytemora raboti</i>		40	21	153	<i>Limnocalanus macrurus</i>			

a Comment code descriptions given in Table 9.



Table 16. Count and abundance (Number/100 m<sup>3</sup>), or presence/absence of animals captured in 500 µm bongo nets during 1985 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
153	<i>Pseudocalanus minutus</i>				218	<i>Paroedicerus lynceus</i>		609	321
153	Order Mysidacea				218	<i>Pontoporeia affinis</i>		2	1
153	Order Amphipoda				218	Family Chironomidae		2	1
154	<i>Diaptomus sicilis</i>		48	27	218	<i>Sagitta elegans</i>		54	28
154	<i>Epischura lacustris</i>		304	168	219	Class Copepoda			
154	<i>Epischura nevadensis</i>		232	128	219	<i>Diaptomus</i> sp.			
154	<i>Eurytemora rabotii</i>		600	331	219	<i>Limnocalanus macrurus</i>			
154	<i>Eurytemora rabotii</i>	6	64	35	219	<i>Pseudocalanus minutus</i>			
154	<i>Gaidius tenuispinus</i>		72	40	219	Order Mysidacea			
154	<i>Limnocalanus macrurus</i>		1872	1034	219	Class Insecta			
154	<i>Mysis relicta</i>		15	8					
154	<i>Neomysis intermedia</i>		21	12	220	<i>Diaptomus</i> sp.	4	32	16
154	<i>Paroedicerus lynceus</i>		8	4	220	<i>Diaptomus sicilis</i>		320	160
154	<i>Paroedicerus lynceus</i>	5	2	1	220	<i>Epischura</i> sp.	6	32	16
154	<i>Pontoporeia affinis</i>		12	7	220	<i>Epischura lacustris</i>	4	288	144
217	Class Polychaeta				220	<i>Epischura nevadensis</i>	4	32	16
217	Class Copepoda				220	<i>Eurytemora rabotii</i>		64	32
217	<i>Diaptomus</i> sp.				220	<i>Limnocalanus macrurus</i>		11648	5824
217	<i>Limnocalanus macrurus</i>				220	<i>Neomysis intermedia</i>		4	2
217	<i>Pseudocalanus minutus</i>				220	<i>Mesidotea entomon</i>	38	1	Trace
217	Order Mysidacea				225	Class Copepoda			
217	Order Amphipoda				225	<i>Diaptomus</i> sp.			
217	Phylum Chaetognatha				225	<i>Limnocalanus macrurus</i>			
218	Class Polychaeta	32	128	67	225	<i>Pseudocalanus minutus</i>			
218	<i>Calanus glacialis</i>		128	67	225	Class Insecta			
218	<i>Eurytemora rabotii</i>		256	135	226	<i>Diaptomus sicilis</i>		120	66
218	<i>Gaidius tenuispinus</i>		2304	1213	226	<i>Epischura</i> sp.	6	32	18
218	<i>Limnocalanus macrurus</i>		55680	29305	226	<i>Epischura lacustris</i>		184	102
218	<i>Pseudocalanus minutus</i>		3072	1617	226	<i>Epischura nevadensis</i>		144	80
218	<i>Mysis littoralis</i>		6	3	226	<i>Eurytemora rabotii</i>		48	27
218	<i>Mysis relicta</i>		194	102	226	<i>Gaidius tenuispinus</i>		16	9
218	<i>Neomysis intermedia</i>		19	10	226	<i>Limnocalanus macrurus</i>		1912	1056
218	<i>Aceroides latipes</i>		1	Trace	226	Family Chironomidae		5	3
218	<i>Monoculodes packardii</i>		187	98	226	Family Sciaridae		2	1
218	<i>Onisimus nansenii</i>		1	Trace					
218	<i>Parathemisto</i> sp.	38	1	Trace	227	Class Copepoda			

a Comment code descriptions given in Table 9.

Table 16. Count and abundance (Number/100 m<sup>3</sup>), or presence/absence of animals captured in 500 µm bongo nets during 1985 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
227	Diaptomus sp.				328	Halitholus cirratus		127	69
227	Limnocalanus macrurus				328	Sarsia princeps		1	Trace
227	Pseudocalanus minutus				328	Mertensia sp.	2	11	6
227	Order Mysidacea				328	Calanus sp.	6	384	208
227	Order Amphipoda				328	Calanus glacialis	4	5120	2768
227	Class Insecta				328	Calanus hyperboreus	4	320	173
227	Phylum Chaetognatha				328	Limnocalanus macrurus		12224	6608
					328	Pseudocalanus minutus		3072	1661
228	Class Hydrozoa	19	1	Trace	328	Mysis relicta		2	1
228	Class Hydrozoa	20	0	Present	328	Apherusa glacialis		1	Trace
228	Class Polychaeta	32	128	68	328	Hyperia galba		15	8
228	Bylgides sarsi		2	1	328	Metopa sp.		1	Trace
228	Calanus sp.	6	128	68	328	Pontoporeia affinis		2	1
228	Eurytemora raboti	4	1928	1020	328	Family Chironomidae		1	Trace
228	Gaidius tenuispinus		24704	13071	328	Sagitta elegans		133	72
228	Limnocalanus macrurus		6528	3454					
228	Pseudocalanus minutus		17024	9007	329	Class Hydrozoa			
228	Mysis littoralis		2	1	329	Class Copepoda			
228	Mysis relicta		27	14	329	Limnocalanus macrurus			
228	Neomysis intermedia		2	1	329	Pseudocalanus minutus			
228	Monoculodes packardii		58	31	329	Order Mysidacea			
228	Paroedicerus lynceus		140	74	329	Order Amphipoda			
228	Pontoporeia affinis		1	Trace	329	Phylum Chaetognatha			
228	Family Formicidae		1	Trace					
228	Sagitta elegans		227	120	330	Class Hydrozoa	19	2	1
					330	Class Hydrozoa	39	4	3
327	Class Hydrozoa				330	Aglantha digitale		9	6
327	Phylum Ctenophora				330	Euphysa flammea		7	5
327	Class Copepoda				330	Halitholus cirratus		23	16
327	Limnocalanus macrurus				330	Mertensia sp.	2	3	2
327	Pseudocalanus minutus				330	Class Copepoda	5	2048	1432
327	Order Mysidacea				330	Calanus sp.	6	2560	1790
327	Order Amphipoda				330	Calanus glacialis		14848	10383
327	Phylum Chaetognatha				330	Calanus hyperboreus		512	358
					330	Eurytemora raboti		512	358
328	Class Hydrozoa	20	0	Present	330	Gaidius tenuispinus		512	358
328	Aeginopsis laurentii		14	8	330	Limnocalanus macrurus		170496	119228
328	Aglantha digitale		4	2	330	Pseudocalanus minutus		20992	14680
328	Eumedusa birulae		2	1	330	Mysis littoralis		30	21

a Comment code descriptions given in Table 9.

Table 16. Count and abundance (Number/100 m<sup>3</sup>), or presence/absence of animals captured in 500 µm bongo nets during 1985 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
330	<i>Mysis relicta</i>		1	Trace	334	<i>Calanus hyperboreus</i>		768	427
330	<i>Neomysis intermedia</i>		1	Trace	334	<i>Limnocalanus macrurus</i>		8752	48640
330	<i>Apherusa glacialis</i>		1	Trace	334	<i>Pseudocalanus minutus</i>		3328	1849
330	<i>Hyperia galba</i>		4	3	334	<i>Hyperia galba</i>		7	4
330	<i>Metopa</i> sp.		2	1	334	<i>Sagitta elegans</i>		94	52
330	<i>Monoculodes</i> sp.	5	1	Trace					
330	<i>Onisimus nansenii</i>		5	3	335	Class Hydrozoa			
330	<i>Pontoporeia affinis</i>		1	Trace	335	Class Copepoda			
330	<i>Sagitta elegans</i>		548	383	335	<i>Limnocalanus macrurus</i>			
333	Class Hydrozoa				335	<i>Pseudocalanus minutus</i>			
333	Phylum Ctenophora				335	Order Amphipoda			
333	Class Copepoda				335	Phylum Chaetognatha			
333	<i>Limnocalanus macrurus</i>				336	Class Hydrozoa	19	1	Trace
333	<i>Pseudocalanus minutus</i>				336	<i>Aglantha digitale</i>		9	5
333	Order Amphipoda				336	<i>Eumedusa birulai</i>		4	2
333	Phylum Chaetognatha				336	<i>Euphysa flammea</i>	4	2	1
334	<i>Aeginopsis laurentii</i>		2	1	336	<i>Halitholus cirratus</i>		55	31
334	<i>Aglantha digitale</i>		11	6	336	<i>Mertensia</i> sp.	2	3	2
334	<i>Halitholus</i> sp.	5	2	1	336	<i>Calanus</i> sp.	6	2048	1138
334	<i>Halitholus cirratus</i>		61	34	336	<i>Calanus glacialis</i>		15360	8533
334	Phylum Ctenophora	39	0	Present	336	<i>Calanus hyperboreus</i>		4096	2276
334	<i>Mertensia</i> sp.	2	1	Trace	336	<i>Limnocalanus macrurus</i>		500736	278187
334	<i>Calanus</i> sp.	6	256	142	336	<i>Pseudocalanus minutus</i>		3072	1707
334	<i>Calanus glacialis</i>		3328	1849	336	<i>Hyperia galba</i>		6	3
					336	<i>Sagitta elegans</i>		14	8

a Comment code descriptions given in Table 9.

Table 17. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 85 µm bongo nets during 1986.

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
80	<i>Aglantha digitale</i>	31	4	103	80	<i>Limnocalanus macrurus</i>	76	900	23077
80	<i>Obelia</i> sp.	31	100	2564	80	<i>Limnocalanus macrurus</i>	77	1100	28205
80	<i>Mertensia ovum</i>	38	4	103	80	<i>Metridia longa</i>	72	50	1282
80	Phylum Rotifera	5	1900	48718	80	<i>Metridia longa</i>	73	1	26
80	<i>Keratella cochlearis</i>		70600	1810256	80	<i>Microcalanus pygmaeus</i>	76	50	1282
80	Class Polychaeta	16	600	15385	80	<i>Microsetella norvegica</i>	76	40	1026
80	Class Polychaeta	38	400	10256	80	<i>Oithona similis</i>	76	1900	48718
80	<i>Acartia clausi</i>	74	100	2564	80	<i>Oithona similis</i>	77	7000	179487
80	<i>Acartia clausi</i>	76	50	1282	80	<i>Oithona similis</i>	81	1700	43590
80	<i>Acartia clausi</i>	77	100	2564	80	<i>Oithona similis</i>	82	7000	179487
80	<i>Calanus glacialis</i>	73	27	692	80	<i>Oncaea borealis</i>	76	50	1282
80	<i>Calanus glacialis</i>	74	170	4359	80	<i>Oncaea borealis</i>	77	1100	28205
80	<i>Calanus glacialis</i>	75	4	103	80	<i>Oncaea borealis</i>	81	100	2564
80	<i>Calanus glacialis</i>	76	8	205	80	<i>Pseudocalanus minutus</i>	71	1400	35897
80	<i>Calanus hyperboreus</i>	73	2	51	80	<i>Pseudocalanus minutus</i>	72	800	20513
80	<i>Calanus hyperboreus</i>	74	90	2308	80	<i>Pseudocalanus minutus</i>	73	1900	48718
80	<i>Calanus hyperboreus</i>	75	12	308	80	<i>Pseudocalanus minutus</i>	74	3400	87179
80	<i>Calanus hyperboreus</i>	76	1	26	80	<i>Pseudocalanus minutus</i>	75	1400	35897
80	<i>Cyclops</i> sp.	77	30	769	80	<i>Pseudocalanus minutus</i>	76	2800	71795
80	<i>Cyclops</i> sp.	81	400	10256	80	<i>Pseudocalanus minutus</i>	77	70	1795
80	<i>Cyclops</i> sp.	82	700	17949	80	<i>Jaschnovia (=Derjuginia) tolli</i>	72	200	5128
80	<i>Drepanopus bungei</i>	72	100	2564	80	<i>Jaschnovia (=Derjuginia) tolli</i>	73	2200	56410
80	<i>Drepanopus bungei</i>	73	1700	43590	80	<i>Jaschnovia (=Derjuginia) tolli</i>	74	900	23077
80	<i>Drepanopus bungei</i>	74	2600	66667	80	<i>Jaschnovia (=Derjuginia) tolli</i>	75	3	77
80	<i>Drepanopus bungei</i>	75	100	2564	80	Order Calanoïda	78	7100	182051
80	<i>Drepanopus bungei</i>	76	600	15385	80	Order Calanoïda	79	1700	43590
80	<i>Euchaeta glacialis</i>	75	1	26	80	Order Calanoïda	80	7000	179487
80	<i>Eurytemora</i> sp.	72	800	20513	80	Order Cyclopoida	78	7000	179487
80	<i>Eurytemora raboti</i>	72	200	5128	80	Order Cyclopoida	79	3700	94872
80	<i>Eurytemora raboti</i>	74	300	7692	80	<i>Mysis litoralis</i>	31	1	26
80	<i>Eurytemora raboti</i>	75	100	2564	80	<i>Mysis litoralis</i>	38	14	359
80	<i>Eurytemora raboti</i>	76	50	1282	80	<i>Mysis relicta</i>	31	2	51
80	<i>Eurytemora americana</i>	73	100	2564	80	Order Isopoda	32	50	1282
80	<i>Eurytemora americana</i>	74	400	10256	80	<i>Paroedicerus propinquus</i>	31	11	282
80	<i>Eurytemora americana</i>	75	50	1282	80	Family Lysianassidae	38	1	26
80	<i>Eurytemora americana</i>	76	100	2564	80	Class Bivalvia	32	200	5128
80	<i>Eurytemora americana</i>	77	50	1282	80	<i>Octopus</i> sp.	38	1	26
80	<i>Limnocalanus macrurus</i>	74	60	1538	80	<i>Sagitta elegans</i>	38	38	974
80	<i>Limnocalanus macrurus</i>	75	1000	25641					

a Comment code descriptions given in Table 9.

Table 17. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 85 µm bongo nets during 1986 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
81	Aeginopsis laurentii	31	1	26	81	Eurytemora americana	76	20	513
81	Halitholus cirratus	31	1	26	81	Limnocalanus macrurus	74	120	3077
81	Obelia sp.	31	1	26	81	Limnocalanus macrurus	75	600	15385
81	Mertensia ovum	38	4	103	81	Limnocalanus macrurus	76	1400	35897
81	Phylum Rotifera	5	2600	66667	81	Limnocalanus macrurus	77	1300	33333
81	Keratella cochlearis		107100	2746154	81	Metridia longa	73	10	256
81	Class Polychaeta	16	400	10256	81	Metridia longa	76	1	26
81	Class Polychaeta	38	120	3077	81	Metridia longa	77	1	26
81	Acartia clausi	71	100	2564	81	Microcalanus pygmaeus	76	10	256
81	Acartia clausi	72	20	513	81	Microsetella norvegica	76	500	12821
81	Acartia clausi	73	100	2564	81	Oithona similis	76	800	20513
81	Acartia clausi	74	30	769	81	Oithona similis	77	30	769
81	Acartia clausi	75	10	256	81	Oithona similis	81	3200	82051
81	Acartia clausi	76	10	256	81	Oithona similis	82	6600	169231
81	Calanus glacialis	73	70	1795	81	Oncaea borealis	76	50	1282
81	Calanus glacialis	74	140	3590	81	Oncaea borealis	77	600	15385
81	Calanus glacialis	75	24	615	81	Oncaea borealis	81	300	7692
81	Calanus glacialis	76	10	256	81	Pseudocalanus minutus	71	1900	48718
81	Calanus hyperboreus	73	2	51	81	Pseudocalanus minutus	72	400	10256
81	Calanus hyperboreus	74	50	1282	81	Pseudocalanus minutus	73	2100	53846
81	Calanus hyperboreus	75	14	359	81	Pseudocalanus minutus	74	3000	76923
81	Calanus hyperboreus	76	1	26	81	Pseudocalanus minutus	75	1300	33333
81	Cyclops sp.	76	10	256	81	Pseudocalanus minutus	76	1300	33333
81	Cyclops sp.	81	500	12821	81	Pseudocalanus minutus	77	30	769
81	Cyclops sp.	82	900	23077	81	Jaschnovia (=Derjuginia) tolli	72	10	256
81	Drepanopus bungei	72	100	2564	81	Jaschnovia (=Derjuginia) tolli	73	440	11282
81	Drepanopus bungei	73	2800	71795	81	Jaschnovia (=Derjuginia) tolli	74	750	19231
81	Drepanopus bungei	74	2500	64103	81	Order Calanoidea	78	9900	253846
81	Drepanopus bungei	75	300	7692	81	Order Calanoidea	79	1400	35897
81	Drepanopus bungei	76	500	12821	81	Order Cyclopoidea	78	7900	202564
81	Eurytemora raboti	71	200	5128	81	Order Cyclopoidea	79	5500	141026
81	Eurytemora raboti	72	300	7692	81	Podon leuckarti		10	256
81	Eurytemora raboti	73	50	1282	81	Mysis littoralis	38	11	282
81	Eurytemora raboti	74	130	3333	81	Order Isopoda	2	10	256
81	Eurytemora raboti	75	20	513	81	Gammarus sp.	38	1	26
81	Eurytemora americana	72	10	256	81	Paroedicerus propinquus	31	9	231
81	Eurytemora americana	73	20	513	81	Class Bivalvia	32	300	7692
81	Eurytemora americana	74	10	256	81	Octopus sp.	38	1	26
81	Eurytemora americana	75	50	1282	81	Sagitta elegans	31	2	51

a Comment code descriptions given in Table 9.

Table 17. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 85 µm bongo nets during 1986 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
81	<i>Sagitta elegans</i>	38	23	590	88	<i>Microsetella norvegica</i>	76	400	11429
88	<i>Aglantha digitale</i>	31	4	114	88	<i>Microsetella rosea</i>	77	100	2857
88	<i>Eumedusa birulai</i>	31	2	57	88	<i>Oithona similis</i>	76	800	22857
88	<i>Obelia</i> sp.	31	10	286	88	<i>Oithona similis</i>	77	30	857
88	<i>Mertensia ovum</i>	38	10	286	88	<i>Oithona similis</i>	81	1500	42857
88	Phylum Rotifera	5	1900	54286	88	<i>Oithona similis</i>	82	2500	71429
88	<i>Keratella cochlearis</i>		33100	945714	88	<i>Oncaea borealis</i>	76	50	1429
88	Class Polychaeta	16	600	17143	88	<i>Oncaea borealis</i>	77	500	14286
88	Class Polychaeta	38	50	1429	88	<i>Oncaea borealis</i>	81	300	8571
88	<i>Acartia clausi</i>	71	100	2857	88	<i>Pseudocalanus minutus</i>	71	1400	40000
88	<i>Acartia clausi</i>	73	10	286	88	<i>Pseudocalanus minutus</i>	72	700	20000
88	<i>Acartia clausi</i>	77	100	2857	88	<i>Pseudocalanus minutus</i>	73	2100	60000
88	<i>Calanus glacialis</i>	73	50	1429	88	<i>Pseudocalanus minutus</i>	74	4400	125714
88	<i>Calanus glacialis</i>	74	70	2000	88	<i>Pseudocalanus minutus</i>	75	2000	57143
88	<i>Calanus glacialis</i>	75	7	200	88	<i>Pseudocalanus minutus</i>	76	1000	28571
88	<i>Calanus glacialis</i>	76	2	57	88	<i>Pseudocalanus minutus</i>	77	50	1429
88	<i>Calanus hyperboreus</i>	73	1	29	88	<i>Jaschnovia (=Derjuginia) tolli</i>	72	10	286
88	<i>Calanus hyperboreus</i>	74	27	771	88	<i>Jaschnovia (=Derjuginia) tolli</i>	73	320	9143
88	<i>Calanus hyperboreus</i>	75	5	143	88	<i>Jaschnovia (=Derjuginia) tolli</i>	74	490	14000
88	<i>Cyclops</i> sp.	81	600	17143	88	<i>Jaschnovia (=Derjuginia) tolli</i>	75	2	57
88	<i>Cyclops</i> sp.	82	400	11429	88	Order Calanoïda	78	10000	285714
88	<i>Drepanopus bungei</i>	71	600	17143	88	Order Calanoïda	79	2400	68571
88	<i>Drepanopus bungei</i>	72	200	5714	88	Order Cyclopoida	78	4400	125714
88	<i>Drepanopus bungei</i>	73	2000	57143	88	Order Cyclopoida	79	1800	51429
88	<i>Drepanopus bungei</i>	74	1500	42857	88	<i>Mysis litoralis</i>	38	6	171
88	<i>Drepanopus bungei</i>	75	90	2571	88	<i>Mysis relicta</i>	38	1	29
88	<i>Drepanopus bungei</i>	76	50	1429	88	Order Isopoda	32	10	286
88	<i>Eurytemora americana</i>	71	30	857	88	<i>Gammarus</i> sp.	38	1	29
88	<i>Eurytemora americana</i>	72	60	1714	88	<i>Metopa longirama</i>	31	3	86
88	<i>Eurytemora americana</i>	73	120	3429	88	Class Bivalvia	32	900	25714
88	<i>Eurytemora americana</i>	74	200	5714	88	<i>Sagitta elegans</i>	38	29	829
88	<i>Eurytemora americana</i>	75	80	2286	88	Unidentified egg		1	29
88	<i>Eurytemora americana</i>	77	20	571	89	<i>Aeginopsis laurentii</i>	31	1	29
88	<i>Limnocalanus macrurus</i>	73	10	286	89	<i>Aglantha digitale</i>	31	4	114
88	<i>Limnocalanus macrurus</i>	74	200	5714	89	<i>Aglantha digitale</i>	38	1	29
88	<i>Limnocalanus macrurus</i>	75	670	19143	89	<i>Obelia</i> sp.	31	1	29
88	<i>Limnocalanus macrurus</i>	76	630	18000	89	<i>Mertensia ovum</i>	31	5	143
88	<i>Limnocalanus macrurus</i>	77	790	22571	89	Phylum Rotifera	5	2700	77143

<sup>a</sup> Comment code descriptions given in Table 9.

Table 17. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 85 µm bongo nets during 1986 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
89	<i>Keratella cochlearis</i>		27000	771429	89	<i>Oithona similis</i>	82	3800	108571
89	<i>Keratella quadrata</i>		100	2857	89	<i>Oncaea borealis</i>	76	40	1143
89	Class Polychaeta	16	400	11429	89	<i>Oncaea borealis</i>	77	400	11429
89	Class Polychaeta	38	60	1714	89	<i>Oncaea borealis</i>	81	200	5714
89	<i>Acartia clausi</i>	74	10	286	89	<i>Pseudocalanus minutus</i>	71	1900	54286
89	<i>Acartia clausi</i>	76	10	286	89	<i>Pseudocalanus minutus</i>	72	1000	28571
89	<i>Acartia clausi</i>	77	10	286	89	<i>Pseudocalanus minutus</i>	73	2900	82857
89	<i>Calanus glacialis</i>	73	21	600	89	<i>Pseudocalanus minutus</i>	74	4900	140000
89	<i>Calanus glacialis</i>	74	100	2857	89	<i>Pseudocalanus minutus</i>	75	1300	37143
89	<i>Calanus glacialis</i>	75	12	343	89	<i>Pseudocalanus minutus</i>	76	1600	45714
89	<i>Calanus glacialis</i>	76	1	29	89	<i>Pseudocalanus minutus</i>	77	50	1429
89	<i>Calanus hyperboreus</i>	73	3	86	89	<i>Jaschnovia (=Derjuginia) tolli</i>	72	20	571
89	<i>Calanus hyperboreus</i>	74	34	971	89	<i>Jaschnovia (=Derjuginia) tolli</i>	73	240	6857
89	<i>Calanus hyperboreus</i>	75	9	257	89	<i>Jaschnovia (=Derjuginia) tolli</i>	74	430	12286
89	<i>Cyclops</i> sp.	81	600	17143	89	<i>Jaschnovia (=Derjuginia) tolli</i>	75	3	86
89	<i>Cyclops</i> sp.	82	700	20000	89	Order Calanoidea	78	7100	202857
89	<i>Drepanopus bungei</i>	71	700	20000	89	Order Calanoidea	79	2500	71429
89	<i>Drepanopus bungei</i>	72	300	8571	89	Order Cyclopoida	78	4500	128571
89	<i>Drepanopus bungei</i>	73	2200	62857	89	Order Cyclopoida	79	2200	62857
89	<i>Drepanopus bungei</i>	74	1800	51429	89	<i>Mysis litoralis</i>	38	4	114
89	<i>Drepanopus bungei</i>	75	160	4571	89	<i>Metopa longirama</i>	31	1	29
89	<i>Drepanopus bungei</i>	76	130	3714	89	<i>Paroedicerus propinquus</i>	31	2	57
89	<i>Euchaeta glacialis</i>	75	1	29	89	Class Bivalvia	32	200	5714
89	<i>Eurytemora americana</i>	71	700	20000	89	<i>Sagitta elegans</i>	31	24	686
89	<i>Eurytemora americana</i>	72	400	11429	277	<i>Aglantha digitale</i>	31	1	24
89	<i>Eurytemora americana</i>	73	300	8571	277	<i>Aglantha digitale</i>	38	1	24
89	<i>Eurytemora americana</i>	74	160	4571	277	Phylum Ctenophora	20	1	24
89	<i>Eurytemora americana</i>	75	90	2571	277	Phylum Rotifera	5	8600	209756
89	<i>Limnocalanus macrurus</i>	73	20	571	277	<i>Keratella cochlearis</i>		8900	217073
89	<i>Limnocalanus macrurus</i>	74	170	4857	277	<i>Asplanchna</i> sp.		500	12195
89	<i>Limnocalanus macrurus</i>	75	740	21143	277	Class Polychaeta	16	100	2439
89	<i>Limnocalanus macrurus</i>	76	800	22857	277	<i>Acartia clausi</i>	71	300	7317
89	<i>Limnocalanus macrurus</i>	77	730	20857	277	<i>Acartia clausi</i>	72	700	17073
89	<i>Metridia longa</i>	73	1	29	277	<i>Acartia clausi</i>	73	500	12195
89	<i>Metridia longa</i>	77	10	286	277	<i>Acartia clausi</i>	74	400	9756
89	<i>Microsetella norvegica</i>	76	200	5714	277	<i>Acartia clausi</i>	76	250	6098
89	<i>Oithona similis</i>	76	900	25714	277	<i>Acartia clausi</i>	77	270	6585
89	<i>Oithona similis</i>	77	10	286	277	<i>Calanus glacialis</i>	74	4	98
89	<i>Oithona similis</i>	81	1600	45714					

a Comment code descriptions given in Table 9.

Table 17. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 85 µm bongo nets during 1986 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
277	<i>Calanus glacialis</i>	75	130	3171	277	<i>Podon leuckartii</i>		300	7317
277	<i>Calanus glacialis</i>	76	1	24	277	<i>Mysis relicta</i>	31	1	24
277	<i>Calanus hyperboreus</i>	73	5	122	277	<i>Paroediceros propinquus</i>	31	3	73
277	<i>Calanus hyperboreus</i>	74	36	878	277	Class Bivalvia	32	100	2439
277	<i>Calanus hyperboreus</i>	75	8	195	277	<i>Sagitta elegans</i>	31	20	488
277	<i>Cyclops sp.</i>	81	600	14634	277	<i>Sagitta elegans</i>	38	1	24
277	<i>Cyclops sp.</i>	82	200	4878					
277	<i>Drepanopus bungei</i>	71	200	4878	278	<i>Aglantha digitale</i>	38	4	98
277	<i>Drepanopus bungei</i>	72	400	9756	278	Phylum Ctenophora	20	1	24
277	<i>Drepanopus bungei</i>	73	400	9756	278	Phylum Rotifera	5	17100	417073
277	<i>Drepanopus bungei</i>	74	14800	360976	278	<i>Asplanchna sp.</i>		1200	29268
277	<i>Drepanopus bungei</i>	75	3200	78049	278	<i>Acartia clausi</i>	71	800	19512
277	<i>Drepanopus bungei</i>	76	600	14634	278	<i>Acartia clausi</i>	72	900	21951
277	<i>Eurytemora americana</i>	71	100	2439	278	<i>Acartia clausi</i>	73	500	12195
277	<i>Eurytemora americana</i>	72	100	2439	278	<i>Acartia clausi</i>	74	500	12195
277	<i>Eurytemora americana</i>	73	400	9756	278	<i>Acartia clausi</i>	75	400	9756
277	<i>Eurytemora americana</i>	74	400	9756	278	<i>Acartia clausi</i>	76	400	9756
277	<i>Eurytemora americana</i>	75	100	2439	278	<i>Acartia clausi</i>	77	400	9756
277	<i>Limnocalanus macrurus</i>	73	20	488	278	<i>Calanus glacialis</i>	72	1	24
277	<i>Limnocalanus macrurus</i>	76	750	18293	278	<i>Calanus glacialis</i>	74	9	220
277	<i>Limnocalanus macrurus</i>	77	970	23659	278	<i>Calanus glacialis</i>	75	80	1951
277	<i>Microsetella norvegica</i>	81	300	7317	278	<i>Calanus glacialis</i>	76	1	24
277	<i>Oithona similis</i>	76	700	17073	278	<i>Calanus hyperboreus</i>	73	1	24
277	<i>Oithona similis</i>	77	100	2439	278	<i>Calanus hyperboreus</i>	74	28	683
277	<i>Oithona similis</i>	81	3700	90244	278	<i>Calanus hyperboreus</i>	75	6	146
277	<i>Oithona similis</i>	82	1800	43902	278	<i>Cyclops sp.</i>	81	400	9756
277	<i>Oncaea borealis</i>	77	400	9756	278	<i>Cyclops sp.</i>	82	100	2439
277	<i>Oncaea borealis</i>	81	100	2439	278	<i>Drepanopus bungei</i>	71	900	21951
277	<i>Pseudocalanus minutus</i>	71	400	9756	278	<i>Drepanopus bungei</i>	72	400	9756
277	<i>Pseudocalanus minutus</i>	74	700	17073	278	<i>Drepanopus bungei</i>	73	300	7317
277	<i>Pseudocalanus minutus</i>	75	500	12195	278	<i>Drepanopus bungei</i>	74	14000	341463
277	<i>Pseudocalanus minutus</i>	76	1200	29268	278	<i>Drepanopus bungei</i>	75	3100	75610
277	<i>Pseudocalanus minutus</i>	77	60	1463	278	<i>Drepanopus bungei</i>	76	120	2927
277	<i>Jaschnovia (=Derjuginia) tolli</i>	74	120	2927	278	<i>Eurytemora americana</i>	71	100	2439
277	<i>Jaschnovia (=Derjuginia) tolli</i>	75	120	2927	278	<i>Eurytemora americana</i>	72	400	9756
277	Order Calanoidea	78	16100	392683	278	<i>Eurytemora americana</i>	73	300	7317
277	Order Calanoidea	79	7900	192683	278	<i>Eurytemora americana</i>	74	200	4878
277	Order Cyclopoida	78	7200	175610	278	<i>Eurytemora americana</i>	75	200	4878
277	Order Cyclopoida	79	5600	136585	278	<i>Limnocalanus macrurus</i>	76	900	21951

<sup>a</sup> Comment code descriptions given in Table 9.



Table 17. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 85 µm bongo nets during 1986 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
278	<i>Limnocalanus macrurus</i>	77	1000	24390	285	<i>Acartia clausi</i>	77	80	2286
278	<i>Microsetella rosea</i>	76	10	244	285	<i>Acartia longirewis</i>	76	10	286
278	<i>Oithona similis</i>	76	400	9756	285	<i>Calanus glacialis</i>	74	5	143
278	<i>Oithona similis</i>	77	100	2439	285	<i>Calanus glacialis</i>	75	34	971
278	<i>Oithona similis</i>	81	3500	85366	285	<i>Calanus hyperboreus</i>	73	1	29
278	<i>Oithona similis</i>	82	800	19512	285	<i>Calanus hyperboreus</i>	74	8	229
278	<i>Oncaea borealis</i>	77	400	9756	285	<i>Calanus hyperboreus</i>	75	2	57
278	<i>Pseudocalanus minutus</i>	71	100	2439	285	<i>Cyclops</i> sp.	81	300	8571
278	<i>Pseudocalanus minutus</i>	72	200	4878	285	<i>Drepanopus bungei</i>	71	700	20000
278	<i>Pseudocalanus minutus</i>	73	200	4878	285	<i>Drepanopus bungei</i>	72	300	8571
278	<i>Pseudocalanus minutus</i>	74	400	9756	285	<i>Drepanopus bungei</i>	73	200	5714
278	<i>Pseudocalanus minutus</i>	75	500	12195	285	<i>Drepanopus bungei</i>	74	6400	182857
278	<i>Pseudocalanus minutus</i>	76	1000	24390	285	<i>Drepanopus bungei</i>	75	2600	74286
278	<i>Pseudocalanus minutus</i>	77	20	488	285	<i>Drepanopus bungei</i>	76	40	1143
278	<i>Jaschnovia (=Derjuginia) tolli</i>	74	50	1220	285	<i>Eurytemora raboti</i>	72	200	5714
278	<i>Jaschnovia (=Derjuginia) tolli</i>	75	190	4634	285	<i>Eurytemora raboti</i>	73	20	571
278	Order Calanoidea	78	15600	380488	285	<i>Eurytemora raboti</i>	77	100	2857
278	Order Calanoidea	79	6300	153659	285	<i>Eurytemora americana</i>	74	100	2857
278	Order Cyclopoida	78	4100	100000	285	<i>Eurytemora americana</i>	75	10	286
278	Order Cyclopoida	79	4100	100000	285	<i>Eurytemora americana</i>	77	20	571
278	<i>Podon leuckarti</i>		200	4878	285	<i>Limnocalanus macrurus</i>	75	1	29
278	Order Isopoda	32	10	244	285	<i>Limnocalanus macrurus</i>	76	700	20000
278	<i>Paroedicerus propinquus</i>	31	6	146	285	<i>Limnocalanus macrurus</i>	77	700	20000
278	Class Bivalvia	32	600	14634	285	<i>Microsetella rosea</i>	76	100	2857
278	<i>Octopus</i> sp.	38	1	24	285	<i>Oithona similis</i>	76	400	11429
278	<i>Sagitta elegans</i>	31	26	634	285	<i>Oithona similis</i>	77	10	286
278	<i>Sagitta elegans</i>	38	6	146	285	<i>Oithona similis</i>	81	6600	188571
					285	<i>Oithona similis</i>	82	2300	65714
285	<i>Aglantha digitale</i>	38	2	57	285	<i>Oncaea borealis</i>	77	300	8571
285	<i>Mertensia ovum</i>	31	1	29	285	<i>Pseudocalanus minutus</i>	71	100	2857
285	Phylum Rotifera	5	43700	1248571	285	<i>Pseudocalanus minutus</i>	72	100	2857
285	<i>Keratella cochlearis</i>		11000	314286	285	<i>Pseudocalanus minutus</i>	73	100	2857
285	<i>Asplanchna</i> sp.		300	8571	285	<i>Pseudocalanus minutus</i>	74	700	20000
285	Class Polychaeta	16	10	286	285	<i>Pseudocalanus minutus</i>	75	1000	28571
285	<i>Acartia clausi</i>	71	600	17143	285	<i>Pseudocalanus minutus</i>	76	1500	42857
285	<i>Acartia clausi</i>	72	600	17143	285	<i>Pseudocalanus minutus</i>	77	110	3143
285	<i>Acartia clausi</i>	73	400	11429	285	<i>Jaschnovia (=Derjuginia) tolli</i>	74	7	200
285	<i>Acartia clausi</i>	74	700	20000	285	<i>Jaschnovia (=Derjuginia) tolli</i>	75	5	143
285	<i>Acartia clausi</i>	76	190	5429	285	Order Calanoidea	5	100	2857

<sup>a</sup> Comment code descriptions given in Table 9.

Table 17. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 85 µm bongo nets during 1986 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
285	Order Calanoida	78	12300	351429	286	Eurytemora sp.	71	600	17143
285	Order Calanoida	79	5900	168571	286	Eurytemora sp.	72	300	8571
285	Order Cyclopoida	78	9000	257143	286	Eurytemora raboti	73	20	571
285	Order Cyclopoida	79	7700	220000	286	Eurytemora raboti	74	10	286
285	Podon leuckarti		10	286	286	Eurytemora raboti	75	10	286
285	Order Isopoda	2	1	29	286	Eurytemora raboti	77	10	286
285	Order Isopoda	32	10	286	286	Eurytemora americana	74	20	571
285	Octopus sp.	38	2	57	286	Eurytemora americana	75	30	857
285	Sagitta elegans	31	18	514	286	Eurytemora americana	77	10	286
285	Sagitta elegans	38	4	114	286	Limnocalanus macrurus	72	10	286
					286	Limnocalanus macrurus	73	10	286
286	Obelia sp.	31	1	29	286	Limnocalanus macrurus	76	710	20286
286	Mertensia ovum	38	10	286	286	Limnocalanus macrurus	77	900	25714
286	Phylum Rotifera	5	41100	1174286	286	Microsetella rosea	76	10	286
286	Keratella cochlearis		14300	408571	286	Oithona similis	76	500	14286
286	Asplanchna sp.		300	8571	286	Oithona similis	77	100	2857
286	Acartia clausi	71	400	11429	286	Oithona similis	81	9200	262857
286	Acartia clausi	72	600	17143	286	Oithona similis	82	1800	51429
286	Acartia clausi	73	200	5714	286	Oncaea borealis	76	10	286
286	Acartia clausi	74	250	7143	286	Oncaea borealis	77	20	571
286	Acartia clausi	75	310	8857	286	Pseudocalanus minutus	72	300	8571
286	Acartia clausi	76	230	6571	286	Pseudocalanus minutus	73	800	22857
286	Acartia clausi	77	250	7143	286	Pseudocalanus minutus	74	800	22857
286	Acartia longiremis	75	10	286	286	Pseudocalanus minutus	75	900	25714
286	Acartia longiremis	76	10	286	286	Pseudocalanus minutus	76	1700	48571
286	Calanus glacialis	73	10	286	286	Pseudocalanus minutus	77	160	4571
286	Calanus glacialis	74	10	286	286	Jaschnovia (=Derjuginia) tolli	74	5	143
286	Calanus glacialis	75	390	11143	286	Jaschnovia (=Derjuginia) tolli	75	6	171
286	Calanus hyperboreus	74	110	3143	286	Order Calanoida	78	13100	374286
286	Cyclops sp.	81	300	8571	286	Order Calanoida	79	7800	222857
286	Cyclops sp.	82	40	1143	286	Order Cyclopoida	78	8300	237143
286	Drepanopus bungei	71	100	2857	286	Order Cyclopoida	79	10900	311429
286	Drepanopus bungei	72	200	5714	286	Podon leuckarti		30	857
286	Drepanopus bungei	73	400	11429	286	Class Bivalvia	32	200	5714
286	Drepanopus bungei	74	7100	202857	286	Octopus sp.	38	3	86
286	Drepanopus bungei	75	3600	102857	286	Sagitta elegans	31	13	371
286	Drepanopus bungei	76	60	1714	286	Sagitta elegans	38	1	29

<sup>a</sup> Comment code descriptions given in Table 9.

Table 18. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 500 µm neuston nets during 1986.

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
86	Acartia bifilosa	6	4	2	95	Class Insecta	39	2	1
86	Acartia bifilosa	70	216	119	95	Family Chironomidae	31	3	2
86	Calanus glacialis	70	4	2	95	Family Sciaridae	31	3	2
86	Eurytemora raboti	6	220	122	95	Family Dolichopodidae	31	1	Trace
86	Eurytemora raboti	70	52	29	95	Family Cynipidae	31	1	Trace
86	Limnocalanus macrurus	6	620	343	95	Phylum Chaetognatha	5	1	Trace
86	Limnocalanus macrurus	70	152	84					
86	Pseudocalanus minutus	70	4	2	283	Order Acari		32	23
86	Family Chironomidae	31	1	Trace	283	Acartia bifilosa	6	1120	789
86	Family Cecidomyiidae	31	1	Trace	283	Acartia bifilosa	70	8224	5792
86	Family Phoridae	31	1	Trace	283	Eurytemora raboti	6	64	45
					283	Eurytemora raboti	70	32	23
87	Acartia bifilosa	70	148	89	283	Limnocalanus macrurus	6	224	158
87	Eurytemora raboti	6	88	53	283	Limnocalanus macrurus	70	576	406
87	Eurytemora raboti	70	20	12	283	Pseudocalanus minutus	6	224	158
87	Limnocalanus macrurus	6	616	369	283	Podon leuckarti	31	64	45
87	Limnocalanus macrurus	70	20	12	283	Family Chironomidae	31	2	1
87	Family Chironomidae	31	1	Trace	283	Family Ichneumonidae	31	1	Trace
87	Family Sciaridae	31	1	Trace					
87	Superfamily Chalcidoidea	31	1	Trace	284	Acartia bifilosa	6	1376	949
87	Family Aphididae	31	1	Trace	284	Acartia bifilosa	70	10240	7062
					284	Limnocalanus macrurus	6	416	287
94	Acartia bifilosa	70	128	69	284	Limnocalanus macrurus	70	544	375
94	Eurytemora raboti	6	416	225	284	Pseudocalanus minutus	6	128	88
94	Eurytemora raboti	70	1192	644	284	Podon leuckarti		192	132
94	Limnocalanus macrurus	6	1024	554	284	Family Chironomidae	31	3	2
94	Limnocalanus macrurus	70	1040	562	284	Family Sciaridae	31	1	Trace
94	Family Chironomidae	31	8	4	284	Family Simuliidae	31	1	Trace
94	Family Sciaridae	31	2	1	284	Family Miridae	31	1	Trace
94	Family Cecidomyiidae	31	1	Trace	284	Phylum Chaetognatha	5	3	2
					284	Sagitta elegans		2	1
95	Acartia bifilosa	70	80	46	291	Acartia bifilosa	6	384	289
95	Calanus glacialis	70	16	9	291	Acartia bifilosa	70	8192	6159
95	Diaptomus sicilis	70	16	9	291	Eurytemora raboti	6	96	72
95	Eurytemora raboti	6	2608	1499	291	Limnocalanus macrurus	6	64	48
95	Eurytemora raboti	70	704	405	291	Limnocalanus macrurus	70	768	577
95	Limnocalanus macrurus	6	1040	598	291	Pseudocalanus minutus	6	128	96
95	Limnocalanus macrurus	70	1056	607	291	Pseudocalanus minutus	70	96	72
95	Pontoporeia sp.	38	1	Trace					

a Comment code descriptions given in Table 9.

Table 18. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 500 µm neuston nets during 1986 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
291	Monoculodes sp.	31	1	Trace	292	Limnocalanus macrurus	70	320	250
291	Family Chironomidae	31	3	2	292	Pseudocalanus minutus	6	384	300
291	Family Tipulidae	31	1	Trace	292	Pseudocalanus minutus	70	32	25
291	Phylum Chaetognatha	5	1	Trace	292	Podon teuckarti	31	1	Trace
292	Acartia longiremis	70	32	25	292	Family Chironomidae	31	3	2
292	Acartia bifilosa	6	1120	875	292	Family Phoridae	31	1	Trace
292	Acartia bifilosa	70	7712	6025	292	Family Cynipidae	31	1	Trace
292	Eurytemora raboti	6	64	50	292	Family Aphididae	31	1	Trace
292	Limnocalanus macrurus	6	512	400	292	Sagitta elegans		2	2

a Comment code descriptions given in Table 9.

Table 19. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 500 µm bongo nets during 1986.

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
82	Class Hydrozoa	20	0	Present	83	Calanus hyperboreus	6	3072	1168
82	Aeginopsis laurentii		12	5	83	Gaidius tenuispinus	6	52224	19857
82	Aglantha digitale		197	77	83	Limnocalanus macrurus	6	19456	7398
82	Eumedusa birulai		7	3	83	Limnocalanus macrurus	70	188416	71641
82	Halitholus cirratus		16	6	83	Microcalanus pygmaeus	6	7168	2725
82	Phylum Ctenophora	39	0	Present	83	Pseudocalanus minutus	6	5120	1947
82	Mertensia ovum		146	57	83	Pseudocalanus minutus	70	92160	35042
82	Bylgides sarsi		2	Trace	83	Mysis litoralis	31	39	15
82	Calanus sp.	6	3072	1195	83	Mysis litoralis	38	884	336
82	Calanus glacialis	6	7168	2789	83	Mysis relicta	31	10	4
82	Calanus hyperboreus	6	1024	398	83	Mysis relicta	38	60	23
82	Calanus hyperboreus	70	5120	1992	83	Hyperia galba	31	7	3
82	Gaidius tenuispinus	6	9216	3586	83	Hyperia galba	38	20	8
82	Gaidius tenuispinus	70	23552	9164	83	Monoculodes packardii	38	97	37
82	Limnocalanus macrurus	6	20480	7969	83	Onisimus nansenii	31	6	2
82	Limnocalanus macrurus	70	142336	55384	83	Paroedicerus lynceus	38	154	59
82	Oithona similis	6	1024	398	83	Pontoporeia affinis	38	9	3
82	Pseudocalanus minutus	6	3072	1195	83	Thysanoessa inermis	31	1	Trace
82	Pseudocalanus minutus	70	61440	23907	83	Thysanoessa raschii	31	3	1
82	Order Mysidacea	10	0	Present	83	Family Chironomidae		2	Trace
82	Gammaracanthus loricatus	4	4	2	83	Family Phoridae		1	Trace
82	Hyperia galba	31	9	4	83	Sagitta elegans		739	281
82	Metopa sp.	31	4	2					
82	Monoculodes packardii	38	301	117	84	Aeginopsis laurentii		8	4
82	Onisimus sp.	38	2	Trace	84	Aglantha digitale		123	64
82	Onisimus nansenii	38	13	5	84	Eumedusa birulai		9	5
82	Paroedicerus lynceus	38	111	43	84	Halitholus cirratus		16	8
82	Thysanoessa raschii	31	1	Trace	84	Mertensia ovum		128	67
82	Family Chironomidae		4	2	84	Calanus sp.	6	1024	533
82	Order Diptera		5	2	84	Calanus glacialis	6	6656	3467
82	Family Cecidomyiidae		1	Trace	84	Calanus glacialis	70	1024	533
82	Sagitta elegans		678	264	84	Calanus hyperboreus	6	1536	800
					84	Gaidius tenuispinus	6	16896	8800
83	Aeginopsis laurentii		17	6	84	Limnocalanus macrurus	6	19456	10133
83	Aglantha digitale		180	68	84	Limnocalanus macrurus	70	119808	62400
83	Eumedusa birulai		9	3	84	Metridia tonga	6	512	267
83	Euphysa flammea		2	Trace	84	Microcalanus pygmaeus	6	7168	3733
83	Halitholus pauper		28	11	84	Pseudocalanus minutus	6	2048	1067
83	Mertensia ovum		110	42	84	Pseudocalanus minutus	70	40960	21333
83	Calanus sp.	6	3072	1168	84	Mysis litoralis	38	3075	1602
83	Calanus glacialis	6	10240	3894	84	Order Amphipoda		5	3

a Comment code descriptions given in Table 9.

Table 19. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 500 µm bongo nets during 1986 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
84	<i>Boeckosimus affinis</i>	31	5	3	90	Phylum Ctenophora	39	0	Present
84	<i>Hyperia galba</i>	31	15	8	90	<i>Mertensia ovum</i>		119	52
84	<i>Metopa sp.</i>	31	5	3	90	<i>Acartia clausi</i>	70	512	223
84	<i>Monoculodes packardii</i>	38	64	33	90	<i>Calanus sp.</i>	6	2560	1113
84	<i>Onisimus nansenii</i>	38	10	5	90	<i>Calanus glacialis</i>	6	3072	1336
84	<i>Paroedicerus lynceus</i>	38	385	201	90	<i>Calanus hyperboreus</i>	6	2048	890
84	<i>Pontoporeia affinis</i>	31	5	3	90	<i>Gaidius tenuispinus</i>	6	3072	1336
84	<i>Weyprechtia heuglini</i>	4	5	3	90	<i>Gaidius tenuispinus</i>	70	8704	3784
84	<i>Thysanoessa inermis</i>	31	1	Trace	90	<i>Limnocalanus macrurus</i>	6	25600	11130
84	<i>Thysanoessa raschii</i>	31	2	1	90	<i>Limnocalanus macrurus</i>	70	69120	30052
84	<i>Sagitta elegans</i>		585	305	90	<i>Pseudocalanus minutus</i>	70	41984	18254
84	<i>Oikopleura sp.</i>		1	Trace	90	<i>Mysis litoralis</i>	31	18	8
85	<i>Aeginopsis laurentii</i>		8	4	90	<i>Mysis litoralis</i>	38	762	331
85	<i>Aglantha digitale</i>		102	52	90	<i>Mysis relicta</i>	31	46	20
85	<i>Eumedusa birulai</i>		8	4	90	<i>Mysis relicta</i>	38	92	40
85	<i>Halitholus cirratus</i>		18	9	90	<i>Hyperia galba</i>	31	7	3
85	Phylum Ctenophora	39	0	Present	90	<i>Hyperia galba</i>	38	3	1
85	<i>Mertensia ovum</i>		92	47	90	<i>Monoculodes sp.</i>	38	1	Trace
85	<i>Calanus sp.</i>	6	2048	1050	90	<i>Monoculodes packardii</i>	38	464	202
85	<i>Calanus glacialis</i>	6	7168	3676	90	<i>Onisimus sp.</i>	38	2	Trace
85	<i>Calanus hyperboreus</i>	6	3584	1838	90	<i>Onisimus glacialis</i>	31	1	Trace
85	<i>Gaidius tenuispinus</i>	6	16896	8665	90	<i>Onisimus nansenii</i>	31	1	Trace
85	<i>Limnocalanus macrurus</i>	6	8704	4464	90	<i>Onisimus nansenii</i>	38	7	3
85	<i>Limnocalanus macrurus</i>	70	136192	69842	90	<i>Paroedicerus lynceus</i>	38	24	10
85	<i>Microcalanus pygmaeus</i>	6	2048	1050	90	<i>Pontoporeia sp.</i>	38	126	55
85	<i>Pseudocalanus minutus</i>	6	3072	1575	90	<i>Pontoporeia affinis</i>	31	7	3
85	<i>Pseudocalanus minutus</i>	70	44032	22581	90	<i>Weyprechtia heuglini</i>	32	1	Trace
85	<i>Mysis litoralis</i>	38	4068	2086	90	Family Chironomidae		1	Trace
85	<i>Monoculodes packardii</i>	38	1024	525	90	Family Sciaridae		1	Trace
85	<i>Paroedicerus lynceus</i>	38	1024	525	90	Phylum Chaetognatha	39	7	3
85	<i>Sagitta elegans</i>		243	125	90	<i>Sagitta elegans</i>		603	262
90	Class Hydrozoa	20	0	Present	91	<i>Aeginopsis laurentii</i>		33	14
90	<i>Aeginopsis laurentii</i>		20	9	91	<i>Aglantha digitale</i>		215	92
90	<i>Aglantha digitale</i>		85	37	91	<i>Eumedusa birulai</i>		8	3
90	<i>Eumedusa birulai</i>		7	3	91	<i>Halitholus cirratus</i>		22	9
90	<i>Euphysa flammea</i>		1	Trace	91	<i>Mertensia ovum</i>		172	74
90	<i>Halitholus cirratus</i>		20	9	91	<i>Trochochaeta carica</i>		1	Trace
90	<i>Sarsia sp.</i>		1	Trace	91	<i>Calanus sp.</i>	6	2560	1099
					91	<i>Calanus glacialis</i>	6	3584	1538

a Comment code descriptions given in Table 9.

Table 19. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 500 µm bongo nets during 1986 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
91	<i>Calanus hyperboreus</i>	6	4608	1978	92	<i>Mysis littoralis</i>	38	681	295
91	<i>Gaidius tenuispinus</i>	6	16896	7252	92	<i>Mysis relicta</i>	31	24	10
91	<i>Limnocalanus macrurus</i>	6	46592	19997	92	<i>Mysis relicta</i>	38	48	21
91	<i>Limnocalanus macrurus</i>	70	91648	39334	92	<i>Mesidotea entomon</i>	38	1	Trace
91	<i>Metridia longa</i>	6	512	220	92	Order Amphipoda	39	1	Trace
91	<i>Microcalanus pygmaeus</i>	6	1536	659	92	<i>Apherusa glacialis</i>	38	1	Trace
91	<i>Pseudocalanus minutus</i>	6	4608	1978	92	<i>Gammarus wilkitzkii</i>	31	1	Trace
91	<i>Pseudocalanus minutus</i>	70	74752	32082	92	<i>Hyperia galba</i>	31	6	3
91	<i>Mysis littoralis</i>		736	316	92	<i>Hyperia galba</i>	38	3	1
91	<i>Mysis relicta</i>		101	43	92	<i>Monoculodes packardii</i>	38	1066	461
91	<i>Mesidotea entomon</i>	38	2	Trace	92	<i>Onisimus nanseni</i>	31	1	Trace
91	<i>Aceroides latipes</i>	38	8	3	92	<i>Onisimus nanseni</i>	38	5	2
91	<i>Hyperia galba</i>	31	24	10	92	<i>Parathemisto abyssorum</i>	38	1	Trace
91	<i>Hyperia galba</i>	38	9	4	92	<i>Paroedicerus lynceus</i>	38	1	Trace
91	<i>Monoculodes packardii</i>	38	326	140	92	<i>Pontoporeia affinis</i>	31	6	3
91	<i>Onisimus nanseni</i>	31	25	11	92	<i>Pontoporeia affinis</i>	38	3	1
91	<i>Paroedicerus lynceus</i>	31	17	7	92	<i>Hyperoche medusarum</i>	31	1	Trace
91	<i>Paroedicerus lynceus</i>	38	25	11	92	<i>Hyperoche medusarum</i>	38	1	Trace
91	<i>Pontoporeia affinis</i>	31	75	32	92	Phylum Chaetognatha	39	14	6
91	<i>Pontoporeia affinis</i>	38	309	133	92	<i>Sagitta elegans</i>		798	345
91	<i>Pontoporeia femorata</i>	31	17	7					
91	<i>Sagitta elegans</i>		1074	461	93	<i>Aeginopsis laurentii</i>		34	15
92	Class Hydrozoa	20	0	Present	93	<i>Aglantha digitale</i>		199	85
92	<i>Aeginopsis laurentii</i>		40	17	93	<i>Eumedusa birulai</i>		3	1
92	<i>Aglantha digitale</i>		154	67	93	<i>Halitholus cirratus</i>		23	10
92	<i>Eumedusa birulai</i>		6	3	93	<i>Mertensia ovum</i>		140	60
92	<i>Halitholus cirratus</i>		30	13	93	<i>Prionospio cirrifera</i>		1	Trace
92	<i>Sarsia princeps</i>		2	Trace	93	<i>Calanus sp.</i>	6	2048	875
92	<i>Mertensia ovum</i>		114	49	93	<i>Calanus glacialis</i>	6	3072	1313
92	<i>Prionospio cirrifera</i>		1	Trace	93	<i>Calanus hyperboreus</i>	6	3584	1532
92	<i>Calanus sp.</i>	6	2560	1108	93	<i>Gaidius tenuispinus</i>	6	15872	6783
92	<i>Calanus glacialis</i>	6	3584	1552	93	<i>Limnocalanus macrurus</i>	6	33792	14441
92	<i>Calanus hyperboreus</i>	6	2048	887	93	<i>Limnocalanus macrurus</i>	70	59392	25381
92	<i>Gaidius tenuispinus</i>	6	20480	8866	93	<i>Pseudocalanus minutus</i>	6	2048	875
92	<i>Limnocalanus macrurus</i>	6	37376	16180	93	<i>Pseudocalanus minutus</i>	70	71680	30632
92	<i>Limnocalanus macrurus</i>	70	49152	21278	93	<i>Mysis littoralis</i>	31	476	203
92	<i>Pseudocalanus minutus</i>	70	71680	31030	93	<i>Mysis relicta</i>	31	67	29
92	Order Mysidacea	39	2	Trace	93	<i>Mysis relicta</i>	38	67	29
92	<i>Mysis littoralis</i>	31	48	21	93	<i>Mesidotea entomon</i>	38	2	Trace
					93	<i>Monoculodes sp.</i>		1024	438

a Comment code descriptions given in Table 9.

Table 19. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 500 µm bongo nets during 1986 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
93	<i>Sagitta elegans</i>		996	426	281	<i>Pseudocalanus minutus</i>	6	256	110
279	<i>Aglantha digitale</i>		6	3	281	<i>Pseudocalanus minutus</i>	70	11136	4779
279	<i>Acartia clausi</i>	70	1280	650	281	<i>Weyprechtia heuglini</i>	32	1	Trace
279	<i>Calanus glacialis</i>	6	2048	1040	281	<i>Eualus gamardii</i>	38	1	Trace
279	<i>Gaidius tenuispinus</i>	6	4096	2079	281	Family Phoridae		1	Trace
279	<i>Limnocalanus macrurus</i>	6	2048	1040	281	<i>Sagitta elegans</i>		904	388
279	<i>Limnocalanus macrurus</i>	70	36864	18713	282	<i>Aglantha digitale</i>		10	4
279	<i>Pseudocalanus minutus</i>	6	768	390	282	<i>Mertensia ovum</i>		2	Trace
279	<i>Pseudocalanus minutus</i>	70	25344	12865	282	<i>Acartia bifilosa</i>	70	3072	1330
279	<i>Mysis littoralis</i>	38	2	1	282	<i>Calanus sp.</i>	6	256	111
279	<i>Thysanoessa inermis</i>	38	1	Trace	282	<i>Calanus glacialis</i>	6	1408	610
279	Family Chironomidae		1	Trace	282	<i>Calanus hyperboreus</i>	6	640	277
279	<i>Sagitta elegans</i>		3328	1689	282	<i>Gaidius tenuispinus</i>	6	128	55
280	<i>Aglantha digitale</i>		8	4	282	<i>Limnocalanus macrurus</i>	6	256	111
280	<i>Halitholus cirratus</i>		1	Trace	282	<i>Limnocalanus macrurus</i>	70	30976	13410
280	Phylum Ctenophora	39	0	Present	282	<i>Pseudocalanus minutus</i>	6	384	166
280	<i>Acartia bifilosa</i>	70	1920	970	282	<i>Pseudocalanus minutus</i>	70	26880	11636
280	<i>Calanus sp.</i>	6	128	65	282	<i>Monoculodes sp.</i>	38	2	Trace
280	<i>Calanus glacialis</i>	6	1920	970	282	<i>Sagitta elegans</i>		844	365
280	<i>Calanus glacialis</i>	70	128	65	287	<i>Aglantha digitale</i>		11	5
280	<i>Calanus hyperboreus</i>	6	384	194	287	<i>Eumedusa birulai</i>		2	Trace
280	<i>Eurytemora raboti</i>	70	128	65	287	<i>Euphysa flammea</i>		1	Trace
280	<i>Gaidius tenuispinus</i>	6	1920	970	287	<i>Mertensia ovum</i>	5	5	2
280	<i>Limnocalanus macrurus</i>	70	38912	19653	287	<i>Mertensia ovum</i>	39	0	Present
280	<i>Pseudocalanus minutus</i>	6	640	323	287	<i>Acartia clausi</i>	70	768	380
280	<i>Pseudocalanus minutus</i>	70	26496	13382	287	<i>Calanus glacialis</i>	6	1280	634
280	<i>Mysis littoralis</i>	38	1	Trace	287	<i>Calanus hyperboreus</i>	6	768	380
280	Order Amphipoda	39	1	Trace	287	<i>Gaidius tenuispinus</i>	70	512	253
280	<i>Monoculodes packardii</i>	38	48	24	287	<i>Limnocalanus macrurus</i>	6	4096	2028
280	<i>Sagitta elegans</i>		896	453	287	<i>Limnocalanus macrurus</i>	70	56320	27881
281	<i>Aglantha digitale</i>		12	5	287	<i>Pseudocalanus minutus</i>	6	768	380
281	<i>Acartia bifilosa</i>	6	256	110	287	<i>Pseudocalanus minutus</i>	70	36096	17869
281	<i>Acartia bifilosa</i>	70	2432	1044	287	Order Mysidacea	39	1	Trace
281	<i>Calanus glacialis</i>	6	1024	439	287	<i>Mysis littoralis</i>	38	5	2
281	<i>Calanus hyperboreus</i>	6	512	220	287	<i>Mysis relicta</i>	38	3	1
281	<i>Limnocalanus macrurus</i>	6	1280	549	287	<i>Monoculodes sp.</i>	38	24	12
281	<i>Limnocalanus macrurus</i>	70	20224	8680	287	<i>Monoculodes packardii</i>	38	29	14
					287	<i>Onisimus sp.</i>	38	1	Trace

a Comment code descriptions given in Table 9.



Table 19. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 500 µm bongo nets during 1986 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
287	<i>Onisimus nansenii</i>	38	1	Trace	289	<i>Limnocalanus macrurus</i>	70	44032	25750
287	<i>Paroedicerus lynceus</i>	38	9	4	289	<i>Pseudocalanus minutus</i>	6	1792	1048
287	<i>Pontoporeia affinis</i>	31	10	5	289	<i>Pseudocalanus minutus</i>	70	37888	22157
287	<i>Pontoporeia affinis</i>	38	2	Trace	289	<i>Mysis litoralis</i>	38	5	3
287	<i>Weyprechtia heuglini</i>	32	1	Trace	289	<i>Mysis relicta</i>	38	1	Trace
287	<i>Sagitta elegans</i>		777	385	289	Order Amphipoda	5	2	1
287	<i>Oikopleura</i> sp.		3	1	289	<i>Aceroides latipes</i>	38	7	4
288	Class Hydrozoa	20	0	Present	289	<i>Monoculodes packardii</i>	38	261	153
288	<i>Aglantha digitale</i>		17	8	289	<i>Onisimus nansenii</i>	31	7	4
288	<i>Mertensia ovum</i>		8	4	289	<i>Paroedicerus lynceus</i>	38	17	10
288	<i>Acartia bifilosa</i>	70	1280	637	289	<i>Pontoporeia affinis</i>	38	43	25
288	<i>Calanus</i> sp.	6	256	127	289	Family Chironomidae		2	1
288	<i>Calanus glacialis</i>	6	1280	637	289	<i>Sagitta elegans</i>		755	442
288	<i>Calanus hyperboreus</i>	6	256	127	290	Class Hydrozoa	20	0	Present
288	<i>Gaidius tenuispinus</i>	6	256	127	290	<i>Aglantha digitale</i>		18	11
288	<i>Limnocalanus macrurus</i>	6	256	127	290	<i>Halitholus cirratus</i>		1	Trace
288	<i>Limnocalanus macrurus</i>	70	54528	27128	290	Phylum Ctenophora	39	0	Present
288	<i>Pseudocalanus minutus</i>	6	256	127	290	<i>Mertensia ovum</i>		3	2
288	<i>Pseudocalanus minutus</i>	70	25600	12736	290	<i>Acartia bifilosa</i>	70	512	303
288	<i>Mysis litoralis</i>	38	3	1	290	<i>Calanus glacialis</i>	6	512	303
288	<i>Neomysis intermedia</i>	38	3	1	290	<i>Calanus glacialis</i>	70	256	151
288	Order Amphipoda	39	1	Trace	290	<i>Calanus hyperboreus</i>	6	256	151
288	<i>Aceroides latipes</i>	38	2	Trace	290	<i>Gaidius tenuispinus</i>	6	256	151
288	<i>Monoculodes packardii</i>	38	35	17	290	<i>Limnocalanus macrurus</i>	70	48640	28781
288	<i>Onisimus nansenii</i>	38	1	Trace	290	<i>Pseudocalanus minutus</i>	6	768	454
288	<i>Paroedicerus lynceus</i>	38	7	3	290	<i>Pseudocalanus minutus</i>	70	27904	16511
288	<i>Sagitta elegans</i>		751	374	290	<i>Mysis litoralis</i>	38	6	4
289	<i>Aglantha digitale</i>		13	8	290	<i>Monoculodes</i> sp.	38	49	29
289	<i>Mertensia ovum</i>		16	9	290	<i>Onisimus nansenii</i>	31	1	Trace
289	<i>Acartia bifilosa</i>	70	1024	599	290	<i>Paroedicerus lynceus</i>	38	1	Trace
289	<i>Calanus glacialis</i>	6	512	299	290	<i>Thysanoessa raschii</i>	31	1	Trace
					290	<i>Sagitta elegans</i>		648	383

a Comment code descriptions given in Table 9.

Table 20. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in the 85 µm bongo nets during 1987.

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
11	<i>Aglantha digitale</i>	31	52	1156	11	<i>Metridia longa</i>	73	1	22
11	<i>Mertensia ovum</i>	38	5	111	11	<i>Metridia longa</i>	74	2	44
11	Phylum Rotifera	5	4000	88889	11	<i>Metridia longa</i>	75	1	22
11	<i>Keratella cochlearis</i>		91000	2022222	11	<i>Metridia longa</i>	76	2	44
11	Class Polychaeta	16	600	13333	11	<i>Metridia longa</i>	77	4	89
11	Class Polychaeta	38	2800	62222	11	<i>Microcalanus pygmaeus</i>	74	10	222
11	<i>Acartia clausi</i>	71	600	13333	11	<i>Microcalanus pygmaeus</i>	75	30	667
11	<i>Acartia clausi</i>	72	400	8889	11	<i>Microcalanus pygmaeus</i>	76	50	1111
11	<i>Acartia clausi</i>	73	600	13333	11	<i>Microcalanus pygmaeus</i>	77	50	1111
11	<i>Acartia clausi</i>	74	600	13333	11	<i>Microsetella rosea</i>	76	10	222
11	<i>Acartia clausi</i>	75	90	2000	11	<i>Microsetella rosea</i>	81	1100	24444
11	<i>Acartia clausi</i>	76	70	1556	11	<i>Oithona similis</i>	76	1500	33333
11	<i>Acartia clausi</i>	77	170	3778	11	<i>Oithona similis</i>	77	300	6667
11	<i>Calanus glacialis</i>	74	1	22	11	<i>Oithona similis</i>	82	600	13333
11	<i>Calanus glacialis</i>	75	7	156	11	<i>Oncaea borealis</i>	76	5800	128889
11	<i>Calanus glacialis</i>	76	11	244	11	<i>Oncaea borealis</i>	77	12300	273333
11	<i>Calanus glacialis</i>	77	1	22	11	<i>Oncaea borealis</i>	81	6200	137778
11	<i>Calanus hyperboreus</i>	75	12	267	11	<i>Pseudocalanus minutus</i>	71	3100	68889
11	<i>Calanus hyperboreus</i>	76	3	67	11	<i>Pseudocalanus minutus</i>	72	1100	24444
11	<i>Cyclops sp.</i>	81	200	4444	11	<i>Pseudocalanus minutus</i>	73	600	13333
11	<i>Cyclops sp.</i>	82	100	2222	11	<i>Pseudocalanus minutus</i>	74	80	1778
11	<i>Drepanopus bungei</i>	72	500	11111	11	<i>Pseudocalanus minutus</i>	75	140	3111
11	<i>Drepanopus bungei</i>	73	600	13333	11	<i>Pseudocalanus minutus</i>	76	3200	71111
11	<i>Drepanopus bungei</i>	74	10	222	11	<i>Pseudocalanus minutus</i>	77	70	1556
11	<i>Drepanopus bungei</i>	75	10	222	11	<i>Jaschnovia (=Derjuginia) tolli</i>	71	60	1333
11	<i>Drepanopus bungei</i>	76	70	1556	11	<i>Jaschnovia (=Derjuginia) tolli</i>	72	490	10889
11	<i>Drepanopus bungei</i>	77	10	222	11	<i>Jaschnovia (=Derjuginia) tolli</i>	73	2200	48889
11	<i>Eurytemora herdmani</i>	76	10	222	11	<i>Jaschnovia (=Derjuginia) tolli</i>	74	1300	28889
11	<i>Eurytemora raboti</i>	72	20	444	11	<i>Jaschnovia (=Derjuginia) tolli</i>	75	3	67
11	<i>Eurytemora raboti</i>	73	30	667	11	Order Calanoidea	78	32000	711111
11	<i>Eurytemora raboti</i>	74	40	889	11	Order Calanoidea	79	80000	1777778
11	<i>Eurytemora americana</i>	75	20	444	11	Order Cyclopoidea	78	19000	422222
11	<i>Eurytemora americana</i>	76	10	222	11	Order Cyclopoidea	79	1000	22222
11	<i>Eurytemora americana</i>	77	10	222	11	Class Cirripedia	32	20	444
11	<i>Limnocalanus macrurus</i>	74	2	44	11	Class Cirripedia	35	30	667
11	<i>Limnocalanus macrurus</i>	75	4	89	11	<i>Mysis litoralis</i>	38	8	178
11	<i>Limnocalanus macrurus</i>	76	5	111	11	<i>Paroedicerus propinquus</i>	31	4	89
11	<i>Limnocalanus macrurus</i>	77	5	111	11	Class Gastropoda	32	4	89
11	<i>Metridia longa</i>	72	10	222	11	<i>Limacina helicina</i>	32	40	889

a Comment code descriptions given in Table 9.

Table 20. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in the 85 µm bongo nets during 1987 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
11	Class Bivalvia	32	3000	66667	12	Limnocalanus macrurus	75	9	200
11	Octopus sp.	38	1	22	12	Limnocalanus macrurus	76	4	89
11	Sagitta elegans	31	30	667	12	Limnocalanus macrurus	77	8	178
11	Sagitta elegans	38	1	22	12	Metridia longa	75	2	44
					12	Metridia longa	77	5	111
12	Aglantha digitale	31	66	1467	12	Microcalanus pygmaeus	74	10	222
12	Eumedusa birulae	31	1	22	12	Microcalanus pygmaeus	75	130	2889
12	Mertensia ovum	38	1	22	12	Microcalanus pygmaeus	76	40	889
12	Phylum Rotifera	5	4000	88889	12	Microcalanus pygmaeus	77	20	444
12	Keratella cochlearis		124000	2755556	12	Microsetella rosea	76	50	1111
12	Class Polychaeta	16	1600	35556	12	Microsetella rosea	81	600	13333
12	Class Polychaeta	38	2500	55556	12	Oithona similis	76	2600	57778
12	Acartia clausi	71	200	4444	12	Oithona similis	81	300	6667
12	Acartia clausi	72	300	6667	12	Oithona similis	82	600	13333
12	Acartia clausi	73	800	17778	12	Oncaea borealis	76	7000	155556
12	Acartia clausi	74	400	8889	12	Oncaea borealis	77	17000	377778
12	Acartia longiremis	75	240	5333	12	Oncaea borealis	81	13000	288889
12	Acartia longiremis	76	80	1778	12	Pseudocalanus minutus	71	3500	77778
12	Acartia longiremis	77	170	3778	12	Pseudocalanus minutus	72	1000	22222
12	Calanus glacialis	72	10	222	12	Pseudocalanus minutus	73	700	15556
12	Calanus glacialis	74	3	67	12	Pseudocalanus minutus	74	110	2444
12	Calanus glacialis	75	6	133	12	Pseudocalanus minutus	75	130	2889
12	Calanus glacialis	76	13	289	12	Pseudocalanus minutus	76	4100	91111
12	Calanus hyperboreus	74	1	22	12	Pseudocalanus minutus	77	120	2667
12	Calanus hyperboreus	75	9	200	12	Jaschnovia (=Derjuginia) tolli	71	100	2222
12	Calanus hyperboreus	76	6	133	12	Jaschnovia (=Derjuginia) tolli	72	320	7111
12	Cyclops sp.	81	300	6667	12	Jaschnovia (=Derjuginia) tolli	73	6000	133333
12	Drepanopus bungei	72	300	6667	12	Jaschnovia (=Derjuginia) tolli	74	1100	24444
12	Drepanopus bungei	73	300	6667	12	Jaschnovia (=Derjuginia) tolli	75	1	22
12	Drepanopus bungei	74	70	1556	12	Order Calanoidea	78	25000	555556
12	Drepanopus bungei	76	30	667	12	Order Calanoidea	79	73000	1622222
12	Drepanopus bungei	77	3	67	12	Order Cyclopoida	78	13000	288889
12	Eurytemora herdmani	71	10	222	12	Order Cyclopoida	79	6000	133333
12	Eurytemora raboti	72	30	667	12	Class Cirripedia	32	3	67
12	Eurytemora raboti	73	40	889	12	Class Cirripedia	35	5	111
12	Eurytemora raboti	74	10	222	12	Mysis littoralis	38	21	467
12	Eurytemora americana	73	10	222	12	Order Isopoda	2	20	444
12	Eurytemora americana	74	20	444	12	Paroediceros propinquus	31	3	67
12	Eurytemora americana	77	10	222	12	Class Gastropoda	32	4	89

<sup>a</sup> Comment code descriptions given in Table 9.

Table 20. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in the 85 µm bongo nets during 1987 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
12	<i>Clione limacina</i>	32	40	889	19	<i>Harpacticus uniremis</i>	76	1	29
12	Class Bivalvia	32	2000	44444	19	<i>Limnocalanus macrurus</i>	75	40	1176
12	Octopus sp.	38	2	44	19	<i>Limnocalanus macrurus</i>	76	10	294
12	<i>Sagitta elegans</i>	31	24	533	19	<i>Limnocalanus macrurus</i>	77	20	588
12	Unidentified egg		2	44	19	<i>Metridia longa</i>	71	10	294
19	<i>Aeginopsis laurentii</i>	38	1	29	19	<i>Metridia longa</i>	72	10	294
19	<i>Aglantha digitale</i>	31	69	2029	19	<i>Metridia longa</i>	75	2	59
19	<i>Mertensia ovum</i>	38	12	353	19	<i>Metridia longa</i>	76	2	59
19	Phylum Rotifera	5	2000	58824	19	<i>Metridia longa</i>	77	7	206
19	<i>Keratella cochlearis</i>		41000	1205882	19	<i>Microcalanus pygmaeus</i>	72	100	2941
19	Class Polychaeta	16	900	26471	19	<i>Microcalanus pygmaeus</i>	74	40	1176
19	Class Polychaeta	38	2800	82353	19	<i>Microcalanus pygmaeus</i>	75	90	2647
19	<i>Acartia clausi</i>	71	400	11765	19	<i>Microcalanus pygmaeus</i>	76	80	2353
19	<i>Acartia clausi</i>	72	150	4412	19	<i>Microcalanus pygmaeus</i>	77	20	588
19	<i>Acartia clausi</i>	73	160	4706	19	<i>Microsetella norvegica</i>	76	500	14706
19	<i>Acartia clausi</i>	74	210	6176	19	<i>Microsetella norvegica</i>	81	100	2941
19	<i>Acartia clausi</i>	75	190	5588	19	<i>Microsetella rosea</i>	76	300	8824
19	<i>Acartia clausi</i>	76	60	1765	19	<i>Oithona similis</i>	76	1500	44118
19	<i>Acartia clausi</i>	77	90	2647	19	<i>Oithona similis</i>	77	30	882
19	<i>Calanus glacialis</i>	75	9	265	19	<i>Oithona similis</i>	82	300	8824
19	<i>Calanus glacialis</i>	76	9	265	19	<i>Oncaea borealis</i>	76	4100	120588
19	<i>Calanus glacialis</i>	77	1	29	19	<i>Oncaea borealis</i>	77	9000	264706
19	<i>Calanus hyperboreus</i>	74	1	29	19	<i>Oncaea borealis</i>	81	6000	176471
19	<i>Calanus hyperboreus</i>	75	5	147	19	<i>Pseudocalanus minutus</i>	71	6400	188235
19	<i>Calanus hyperboreus</i>	76	2	59	19	<i>Pseudocalanus minutus</i>	72	2500	73529
19	<i>Cyclops</i> sp.	81	400	11765	19	<i>Pseudocalanus minutus</i>	73	600	17647
19	<i>Drepanopus bungei</i>	71	100	2941	19	<i>Pseudocalanus minutus</i>	74	600	17647
19	<i>Drepanopus bungei</i>	72	170	5000	19	<i>Pseudocalanus minutus</i>	75	240	7059
19	<i>Drepanopus bungei</i>	73	340	10000	19	<i>Pseudocalanus minutus</i>	76	8000	235294
19	<i>Drepanopus bungei</i>	74	60	1765	19	<i>Pseudocalanus minutus</i>	77	230	6765
19	<i>Eurytemora raboti</i>	72	10	294	19	<i>Jaschnovia (=Derjuginia) tolli</i>	71	300	8824
19	<i>Eurytemora raboti</i>	73	20	588	19	<i>Jaschnovia (=Derjuginia) tolli</i>	72	700	20588
19	<i>Eurytemora raboti</i>	74	20	588	19	<i>Jaschnovia (=Derjuginia) tolli</i>	73	2200	64706
19	<i>Eurytemora raboti</i>	75	10	294	19	<i>Jaschnovia (=Derjuginia) tolli</i>	74	1400	41176
19	<i>Eurytemora americana</i>	71	200	5882	19	<i>Jaschnovia (=Derjuginia) tolli</i>	75	3	88
19	<i>Eurytemora americana</i>	75	10	294	19	Order Calanoidea	78	45000	1323529
19	<i>Eurytemora americana</i>	76	10	294	19	Order Calanoidea	79	64000	1882353
19	<i>Eurytemora americana</i>	77	10	294	19	Order Cyclopoida	78	7000	205882
					19	Class Cirripedia	32	15	441

<sup>a</sup> Comment code descriptions given in Table 9.

Table 20. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in the 85 µm bongo nets during 1987 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
19	Class Cirripedia	35	8	235	20	Eurytemora raboti	74	10	294
19	Mysis litoralis	38	60	1765	20	Eurytemora americana	71	10	294
19	Paroediceros propinquus	31	3	88	20	Eurytemora americana	72	10	294
19	Class Gastropoda	32	7	206	20	Eurytemora americana	73	20	588
19	Clione limacina	32	10	294	20	Eurytemora americana	74	10	294
19	Octopus sp.	38	1	29	20	Eurytemora americana	75	20	588
19	Sagitta elegans	31	13	382	20	Eurytemora americana	76	10	294
19	Unidentified egg		4	118	20	Limnocalanus macrurus	75	20	588
20	Aglantha digitale	31	69	2029	20	Limnocalanus macrurus	76	30	882
20	Eumedusa birulai	31	1	29	20	Limnocalanus macrurus	77	20	588
20	Euphysa flammea	31	1	29	20	Metridia longa	72	10	294
20	Halitholus cirratus	31	1	29	20	Metridia longa	73	1	29
20	Mertensia ovum	38	11	324	20	Metridia longa	74	10	294
20	Phylum Rotifera	5	1000	29412	20	Metridia longa	75	5	147
20	Keratella cochlearis		80000	2352941	20	Metridia longa	76	2	59
20	Class Polychaeta	16	600	17647	20	Metridia longa	77	12	353
20	Class Polychaeta	38	2700	79412	20	Microcalanus pygmaeus	75	400	11765
20	Acartia clausi	71	500	14706	20	Microcalanus pygmaeus	76	90	2647
20	Acartia clausi	72	300	8824	20	Microcalanus pygmaeus	77	20	588
20	Acartia clausi	73	60	1765	20	Microsetella norvegica	76	600	17647
20	Acartia clausi	74	120	3529	20	Microsetella rosea	77	100	2941
20	Acartia clausi	75	20	588	20	Oithona similis	76	800	23529
20	Acartia clausi	76	250	7353	20	Oithona similis	77	20	588
20	Acartia clausi	77	90	2647	20	Oithona similis	81	200	5882
20	Calanus glacialis	75	8	235	20	Oithona similis	82	300	8824
20	Calanus glacialis	76	10	294	20	Oncaea borealis	76	5000	147059
20	Calanus glacialis	77	2	59	20	Oncaea borealis	77	10000	294118
20	Calanus hyperboreus	75	10	294	20	Oncaea borealis	81	2000	58824
20	Calanus hyperboreus	76	3	88	20	Pseudocalanus minutus	71	4500	132353
20	Cyclops sp.	77	10	294	20	Pseudocalanus minutus	72	2600	76471
20	Cyclops sp.	81	70	2059	20	Pseudocalanus minutus	73	500	14706
20	Cyclops sp.	82	20	588	20	Pseudocalanus minutus	74	200	5882
20	Drepanopus bungei	72	300	8824	20	Pseudocalanus minutus	75	600	17647
					20	Pseudocalanus minutus	76	5200	152941
20	Drepanopus bungei	73	600	17647	20	Pseudocalanus minutus	77	200	5882
20	Drepanopus bungei	74	200	5882	20	Jaschnovia (=Derjuginia) tolli	71	200	5882
20	Drepanopus bungei	76	10	294	20	Jaschnovia (=Derjuginia) tolli	72	800	23529
20	Eurytemora raboti	72	30	882	20	Jaschnovia (=Derjuginia) tolli	73	2100	61765
20	Eurytemora raboti	73	50	1471	20	Jaschnovia (=Derjuginia) tolli	74	1400	41176

a Comment code descriptions given in Table 9.

Table 20. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in the 85 µm bongo nets during 1987 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
20	Jaschnovia (=Derjuginia) tolli	75	1	29	344	Eurytemora americana	72	100	2857
20	Order Calanoïda	78	58000	1705882	344	Eurytemora americana	76	10	286
20	Order Calanoïda	79	71000	2088235	344	Eurytemora americana	77	20	571
20	Order Cyclopoida	78	4000	117647	344	Limnocalanus macrurus	76	24	686
20	Class Cirripedia	32	60	1765	344	Limnocalanus macrurus	77	23	657
20	Class Cirripedia	35	50	1471	344	Metridia longa	72	10	286
20	Family Lysianassidae	38	1	29	344	Metridia longa	73	30	857
20	Mysis littoralis	38	46	1353	344	Metridia longa	74	50	1429
20	Order Isopoda	2	60	1765	344	Microcalanus pygmaeus	74	20	571
20	Paroediceros propinquus	31	2	59	344	Microcalanus pygmaeus	76	20	571
20	Class Gastropoda	32	3	88	344	Microsetella norvegica	76	10	286
20	Clione limacina	32	30	882	344	Microsetella rosea	76	20	571
20	Sagitta elegans	31	13	382					
20	Unidentified egg	35	100	2941	344	Oithona similis	76	400	11429
					344	Oithona similis	81	4300	122857
344	Aglantha digitale	31	11	314	344	Oithona similis	82	2200	62857
344	Aglantha digitale	32	3	86	344	Oncaea borealis	76	5000	142857
344	Obelia sp.	38	100	2857	344	Oncaea borealis	77	8000	228571
344	Mertensia ovum	38	1	29	344	Oncaea borealis	81	5000	142857
344	Phylum Rotifera	5	1400	40000	344	Pseudocalanus minutus	71	2600	74286
344	Keratella cochlearis		40000	1142857	344	Pseudocalanus minutus	72	2500	71429
344	Keratella quadrata		100	2857	344	Pseudocalanus minutus	73	2200	62857
344	Class Polychaeta	38	10	286	344	Pseudocalanus minutus	74	8600	245714
344	Acartia clausi	71	500	14286	344	Pseudocalanus minutus	75	1200	34286
344	Acartia clausi	72	100	2857	344	Pseudocalanus minutus	76	2500	71429
344	Acartia clausi	73	300	8571	344	Pseudocalanus minutus	77	80	2286
344	Acartia clausi	74	900	25714	344	Jaschnovia (=Derjuginia) tolli	73	100	2857
344	Acartia clausi	75	2000	57143	344	Jaschnovia (=Derjuginia) tolli	74	2200	62857
344	Acartia clausi	76	800	22857	344	Jaschnovia (=Derjuginia) tolli	75	700	20000
344	Acartia clausi	77	800	22857	344	Order Calanoïda	78	11800	337143
344	Calanus glacialis	75	6	171	344	Order Calanoïda	79	12000	342857
344	Calanus glacialis	76	12	343	344	Order Cyclopoida	78	5200	148571
344	Calanus glacialis	77	1	29	344	Order Cyclopoida	79	2600	74286
344	Calanus hyperboreus	75	2	57	344	Podon leuckarti		10	286
344	Cyclops sp.	81	400	11429	344	Mysis littoralis	31	2	57
344	Cyclops sp.	82	100	2857	344	Order Isopoda	2	20	571
344	Eurytemora raboti	73	20	571	344	Paroediceros propinquus	31	2	57
344	Eurytemora raboti	75	10	286	344	Class Gastropoda	32	1100	31429
344	Eurytemora americana	71	100	2857	344	Clione limacina	32	10	286

a Comment code descriptions given in Table 9.

Table 20. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in the 85 µm bongo nets during 1987 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
344	Class Bivalvia	32	100	2857	345	Oncaea borealis	76	2100	60000
344	Octopus sp.	38	60	1714	345	Oncaea borealis	77	9700	277143
344	Sagitta elegans	31	21	600	345	Oncaea borealis	81	4000	114286
344	Sagitta elegans	38	2	57	345	Pseudocalanus minutus	71	3800	108571
345	Aglantha digitale	31	6	171	345	Pseudocalanus minutus	72	2900	82857
345	Aglantha digitale	38	6	171	345	Pseudocalanus minutus	73	2500	71429
345	Phylum Rotifera	5	1200	34286	345	Pseudocalanus minutus	74	6200	177143
345	Keratella cochlearis		21300	608571	345	Pseudocalanus minutus	75	1500	42857
345	Acartia clausi	71	500	14286	345	Pseudocalanus minutus	76	1700	48571
345	Acartia clausi	72	700	20000	345	Pseudocalanus minutus	77	30	857
345	Acartia clausi	73	300	8571	345	Jaschnovia (=Derjuginia) tolli	74	1500	42857
345	Acartia clausi	74	400	11429	345	Jaschnovia (=Derjuginia) tolli	75	800	22857
345	Acartia clausi	75	1000	28571	345	Stenhelia (=Delavalia) sp.	81	100	2857
345	Acartia clausi	76	500	14286	345	Order Calanoidea	78	9400	268571
345	Acartia clausi	77	300	8571	345	Order Calanoidea	79	12800	365714
345	Calanus glacialis	74	1	29	345	Order Cyclopoida	78	4700	134286
345	Calanus glacialis	75	4	114	345	Order Cyclopoida	79	1900	54286
345	Calanus glacialis	76	120	3429	345	Paroedicerus propinquus	31	4	114
345	Calanus hyperboreus	74	1	29	345	Class Gastropoda	32	1200	34286
345	Calanus hyperboreus	75	5	143	345	Clione limacina	32	10	286
345	Cyclops sp.	81	1100	31429	345	Class Bivalvia	32	100	2857
345	Cyclops sp.	82	200	5714	345	Octopus sp.	38	30	857
345	Eurytemora raboti	71	100	2857	345	Sagitta elegans	31	26	743
345	Eurytemora americana	72	400	11429	345	Sagitta elegans	38	8	229
345	Eurytemora americana	73	100	2857	352	Aglantha digitale	31	10	286
345	Eurytemora americana	77	10	286	352	Aglantha digitale	38	9	257
345	Limnocalanus macrurus	76	50	1429	352	Rathkea octopunctata	31	10	286
345	Limnocalanus macrurus	77	60	1714	352	Phylum Ctenophora	5	1	29
345	Metridia longa	73	20	571	352	Mertensia ovum	38	3	86
345	Metridia longa	74	14	400	352	Phylum Rotifera	5	500	14286
345	Metridia longa	75	2	57	352	Keratella cochlearis		5000	142857
345	Metridia longa	77	1	29	352	Acartia clausi	71	400	11429
345	Microsetella rosea	76	100	2857	352	Acartia clausi	72	100	2857
345	Microsetella rosea	77	100	2857	352	Acartia clausi	73	200	5714
345	Oithona similis	76	200	5714	352	Acartia clausi	74	700	20000
345	Oithona similis	77	100	2857	352	Acartia clausi	75	1000	28571
345	Oithona similis	81	3400	97143	352	Acartia clausi	76	900	25714
345	Oithona similis	82	1500	42857	352	Acartia clausi	77	900	25714

a Comment code descriptions given in Table 9.

Table 20. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in the 85 µm bongo nets during 1987 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
352	Calanus glacialis	74	2	57	352	Order Cyclopoida	78	1500	42857
352	Calanus glacialis	75	2	57	352	Order Cyclopoida	79	600	17143
352	Calanus glacialis	76	7	200	352	Mysis litoralis	31	1	29
352	Calanus hyperboreus	74	1	29	352	Mysis litoralis	38	1	29
352	Calanus hyperboreus	75	3	86	352	Order Isopoda	2	20	571
352	Cyclops sp.	81	600	17143	352	Class Gastropoda	32	4300	122857
352	Cyclops sp.	82	100	2857	352	Clione limacina	32	20	571
352	Eurytemora raboti	73	100	2857	352	Octopus sp.	38	20	571
352	Eurytemora raboti	74	100	2857	352	Sagitta elegans	31	11	314
352	Eurytemora americana	73	200	5714	352	Sagitta elegans	38	2	57
352	Eurytemora americana	74	200	5714	353	Aglantha digitale	31	15	429
352	Eurytemora americana	75	100	2857	353	Aglantha digitale	38	3	86
352	Limnocalanus macrurus	76	70	2000	353	Mertensia ovum	31	1	29
352	Limnocalanus macrurus	77	50	1429	353	Mertensia ovum	38	3	86
352	Metridia longa	73	30	857	353	Phylum Rotifera	5	10	286
352	Metridia longa	74	50	1429	353	Keratella cochlearis		100	2857
352	Metridia longa	75	1	29	353	Acartia clausi	71	300	8571
352	Microcalanus pygmaeus	73	100	2857	353	Acartia clausi	72	400	11429
352	Microcalanus pygmaeus	74	100	2857	353	Acartia clausi	73	300	8571
352	Microcalanus pygmaeus	76	10	286	353	Acartia clausi	74	500	14286
352	Microsetella norvegica	76	500	14286	353	Acartia clausi	75	900	25714
352	Oithona similis	76	20	571	353	Acartia clausi	76	900	25714
352	Oithona similis	81	1700	48571	353	Acartia clausi	77	900	25714
352	Oithona similis	82	1600	45714	353	Calanus glacialis	74	1	29
352	Oncaea borealis	76	10700	305714	353	Calanus glacialis	75	9	257
352	Oncaea borealis	77	23200	662857	353	Calanus glacialis	76	14	400
352	Oncaea borealis	81	4700	134286	353	Calanus glacialis	77	1	29
352	Pseudocalanus minutus	71	1900	54286	353	Calanus hyperboreus	74	3	86
352	Pseudocalanus minutus	72	400	11429	353	Calanus hyperboreus	75	5	143
352	Pseudocalanus minutus	73	3100	88571	353	Calanus hyperboreus	76	1	29
352	Pseudocalanus minutus	74	10400	297143	353	Cyclops sp.	81	700	20000
352	Pseudocalanus minutus	75	2600	74286	353	Cyclops sp.	82	100	2857
352	Pseudocalanus minutus	76	1800	51429	353	Drepanopus bungei	76	100	2857
352	Pseudocalanus minutus	77	40	1143	353	Eurytemora raboti	71	100	2857
352	Jaschnovia (=Derjuginia) tolli	74	2800	80000	353	Eurytemora raboti	73	200	5714
352	Jaschnovia (=Derjuginia) tolli	75	900	25714	353	Eurytemora raboti	77	10	286
352	Stenheilia (=Delavalia) sp.	76	200	5714	353	Eurytemora americana	72	100	2857
352	Order Calanoida	78	4100	117143	353	Eurytemora americana	74	100	2857
352	Order Calanoida	79	23900	682857	353	Eurytemora americana	75	100	2857

<sup>a</sup> Comment code descriptions given in Table 9.



Table 20. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in the 85 µm bongo nets during 1987 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
353	<i>Limnocalanus macrurus</i>	76	40	1143	353	<i>Pseudocalanus minutus</i>	73	2300	65714
353	<i>Limnocalanus macrurus</i>	77	50	1429	353	<i>Pseudocalanus minutus</i>	75	2700	77143
353	<i>Metridia longa</i>	73	10	286	353	<i>Pseudocalanus minutus</i>	76	1400	40000
353	<i>Metridia longa</i>	74	30	857	353	<i>Pseudocalanus minutus</i>	77	10	286
353	<i>Metridia longa</i>	75	3	86	353	<i>Jaschnovia (=Derjuginia) tolli</i>	74	8000	228571
353	<i>Microsetella norvegica</i>	76	1200	34286	353	<i>Jaschnovia (=Derjuginia) tolli</i>	75	1500	42857
353	<i>Microsetella norvegica</i>	81	100	2857	353	Order Calanoida	78	6000	171429
353	<i>Microsetella rosea</i>	76	100	2857	353	Order Calanoida	79	23000	657143
353	<i>Oithona similis</i>	76	200	5714	353	Order Cyclopoida	78	4000	114286
353	<i>Oithona similis</i>	81	1700	48571	353	Order Cyclopoida	79	600	17143
353	<i>Oithona similis</i>	82	500	14286	353	Order Isopoda	2	20	571
353	<i>Oncaea borealis</i>	76	10000	285714	353	Order Euphausiacea	38	1	29
353	<i>Oncaea borealis</i>	77	25000	714286	353	Class Gastropoda	32	2000	57143
353	<i>Oncaea borealis</i>	81	4000	114286	353	<i>Sagitta elegans</i>	31	10	286
353	<i>Pseudocalanus minutus</i>	71	2700	77143	353	<i>Sagitta elegans</i>	38	4	114
353	<i>Pseudocalanus minutus</i>	72	800	22857					

a Comment code descriptions given in Table 9.

Table 21. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 500 µm neuston nets during 1987.

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
17	Acartia bifilosa	6	136	91	18	Limnocalanus macrurus	70	204	127
17	Acartia bifilosa	70	1744	1163	18	Microcalanus pygmaeus	6	92	57
17	Calanus glacialis	6	8	5	18	Pseudocalanus minutus	6	20	12
17	Cyclops vp. vernalis	70	32	21	18	Pseudocalanus minutus	70	272	169
17	Eurytemora raboti	6	904	603	18	Suborder Cladocera		8	5
17	Eurytemora raboti	70	240	160	18	Daphnia sp.	93	1	Trace
17	Eurytemora composita	6	632	421	18	Podon leuckarti	31	5	3
17	Eurytemora composita	70	744	496	18	Gammarus wilkitzkii	32	4	2
17	Limnocalanus macrurus	70	40	27	18	Family Chironomidae	31	13	8
17	Pseudocalanus minutus	70	24	16	18	Family Sciaridae	31	18	11
17	Mesocyclops edax	70	24	16	18	Family Cecidomyiidae	31	3	2
17	Daphnia sp.	93	1	Trace	18	Family Tipulidae	31	1	Trace
17	Daphnia cf. pulex	31	48	32	18	Superfamily Chalcidoidea	31	1	Trace
17	Gammarus wilkitzkii	32	6	4	18	Family Aphididae	31	3	2
17	Family Chironomidae	31	20	13	18	Unidentified fish egg		16	10
17	Family Sciaridae	31	16	11					
17	Family Cecidomyiidae	31	5	3	25	Class Hydrozoa	20	0	Present
17	Family Empididae	31	1	Trace	25	Acartia bifilosa	6	32	26
17	Family Culicidae	31	2	1	25	Acartia bifilosa	70	1760	1419
17	Superfamily Chalcidoidea		1	Trace	25	Cyclops vernalis	70	16	13
17	Family Braconidae		1	Trace	25	Drepanopus bungei	70	48	39
17	Family Aphididae	31	5	3	25	Epischura lacustris	70	16	13
17	Order Coleoptera	31	1	Trace	25	Eurytemora raboti	6	208	168
17	Family Miridae	31	3	2	25	Eurytemora raboti	70	192	155
17	Family Thripidae	31	1	Trace	25	Eurytemora composita	6	16	13
					25	Eurytemora composita	70	64	52
18	Antinoella sp.	16	4	2	25	Gaidius tenuispinus	6	64	52
18	Acartia bifilosa	6	56	35	25	Limnocalanus macrurus	6	864	697
18	Acartia bifilosa	70	996	619	25	Limnocalanus macrurus	70	2256	1819
18	Cyclops vernalis	70	8	5	25	Microcalanus pygmaeus	6	176	142
18	Cyclops vp. vernalis	70	12	7	25	Pseudocalanus minutus	6	768	619
18	Drepanopus bungei	70	4	2	25	Pseudocalanus minutus	70	608	490
18	Epischura lacustris	70	4	2	25	Gammarus wilkitzkii	32	2	2
18	Eurytemora raboti	6	96	60	25	Family Chironomidae	31	14	11
18	Eurytemora raboti	70	84	52	25	Family Sciaridae	31	14	11
18	Eurytemora composita	6	20	12	25	Family Culicidae	31	1	Trace
18	Eurytemora composita	70	44	27	25	Superfamily Chalcidoidea	31	1	Trace
18	Gaidius tenuispinus	6	72	45	25	Family Aphididae	31	4	3
18	Limnocalanus macrurus	6	116	72	25	Sagitta elegans		8	6

a Comment code descriptions given in Table 9.

Table 21. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 500 µm neuston nets during 1987 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
25	Unidentified egg		45	36	342	Limnocalanus macrurus	70	592	361
26	Class Hydrozoa	20	0	Present	342	Pseudocalanus minutus	70	4	2
26	Phylum Ctenophora	39	0	Present	342	Daphnia sp.	93	7	4
26	Acartia bifilosa	6	2	1	342	Daphnia cf. pulex		3	2
26	Acartia bifilosa	70	200	139	342	Mesidotea entomon	32	1	Trace
26	Epischura lacustris	70	6	4	342	Mesidotea entomon	38	2	1
26	Epischura nevadensis	70	2	1	343	Class Hydrozoa	20	0	Present
26	Eurytemora rabotfi	6	82	57	343	Acartia bifilosa	70	2408	1496
26	Eurytemora rabotfi	70	122	85	343	Epischura lacustris	6	16	10
26	Eurytemora richingsi	70	2	1	343	Epischura lacustris	70	16	10
26	Eurytemora composita	6	12	8	343	Eurytemora rabotfi	6	40	25
26	Eurytemora composita	70	32	22	343	Eurytemora rabotfi	70	200	124
26	Gaidius tenuispinus	6	20	14	343	Eurytemora richingsi	6	16	10
26	Limnocalanus macrurus	6	90	63	343	Eurytemora richingsi	70	88	55
26	Limnocalanus macrurus	70	190	132	343	Eurytemora composita	70	40	25
26	Microcalanus pygmaeus	6	6	4	343	Limnocalanus macrurus	6	8	5
26	Pseudocalanus minutus	70	116	81	343	Limnocalanus macrurus	70	1304	810
26	Semibalanus balanoides	38	2	1	343	Daphnia sp.	93	7	4
26	Mysis litoralis	38	2	1	343	Daphnia cf. pulex		1	Trace
26	Gammarus wilkitzkii	32	8	6	343	Mesidotea entomon	38	1	Trace
26	Gammarus wilkitzkii	38	2	1					
26	Pontoporeia sp.	32	2	1	350	Acartia bifilosa	70	1792	1120
26	Family Chironomidae	31	22	15	350	Epischura lacustris	70	16	10
26	Family Sciaridae	31	24	17	350	Eurytemora rabotfi	6	64	40
26	Family Aphididae	31	3	2	350	Eurytemora rabotfi	70	192	120
26	Sagitta elegans		1	Trace	350	Eurytemora richingsi	70	16	10
					350	Gaidius tenuispinus	6	24	15
342	Class Hydrozoa	20	0	Present	350	Limnocalanus macrurus	70	424	265
342	Acartia bifilosa	6	28	17	350	Metridia longa	6	8	5
342	Acartia bifilosa	70	896	546	350	Pseudocalanus minutus	70	104	65
342	Drepanopus bungei	70	4	2	350	Daphnia sp.	93	15	9
342	Epischura nevadensis	70	4	2	350	Daphnia cf. pulex		1	Trace
342	Eurytemora rabotfi	6	24	15	350	Mesidotea entomon	32	3	2
342	Eurytemora rabotfi	70	128	78	350	Mesidotea entomon	38	2	1
342	Eurytemora richingsi	6	4	2	350	Oikopleura sp.		1	Trace
342	Eurytemora richingsi	70	32	20					
342	Eurytemora composita	70	12	7	351	Class Hydrozoa	20	0	Present
342	Limnocalanus macrurus	6	28	17	351	Acartia bifilosa	6	8	5

a Comment code descriptions given in Table 9.

Table 21. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 500 µm neuston nets during 1987 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
351	<i>Acartia bifilosa</i>	70	648	432	351	<i>Limnocalanus macrurus</i>	70	420	280
351	<i>Cyclops vernalis</i>	70	4	3	351	<i>Metridia longa</i>	6	4	3
351	<i>Epischura nevadensis</i>	6	4	3	351	<i>Pseudocalanus minutus</i>	70	24	16
351	<i>Epischura nevadensis</i>	70	4	3	351	<i>Daphnia sp.</i>	93	6	4
351	<i>Eurytemora raboti</i>	6	20	13	351	<i>Daphnia cf. pulex</i>	4	8	5
351	<i>Eurytemora raboti</i>	70	44	29	351	<i>Mesidotea entomon</i>	32	3	2
351	<i>Eurytemora richingsi</i>	70	40	27	351	<i>Mesidotea entomon</i>	38	2	1
351	<i>Gaidius tenuispinus</i>	6	8	5	351	<i>Gammarus wilkitzkii</i>	38	1	Trace
351	<i>Limnocalanus macrurus</i>	6	4	3	351	Phylum Chaetognatha	39	3	2

a Comment code descriptions given in Table 9.

Table 22. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 500 µm bongo nets during 1987.

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
13	Class Hydrozoa	20	0	Present	14	Family Culicidae	31	2	1
13	Aglantha digitale		727	365	14	Limacina helicina		1	Trace
13	Eumedusa birulai		7	4	14	Sagitta elegans		659	331
13	Phylum Ctenophora	39	0	Present	14	Unidentified fish egg		25	13
13	Mertensia ovum		18	9	15	Aglantha digitale		3584	1819
13	Gaidius tenuispinus	6	30720	15437	15	Phylum Ctenophora	39	0	Present
13	Limnocalanus macrurus	70	3072	1544	15	Mertensia ovum		58	29
13	Microcalanus pygmaeus	6	32768	16466	15	Calanus glacialis	6	1024	520
13	Pseudocalanus minutus	6	512	257	15	Calanus glacialis	70	1024	520
13	Pseudocalanus minutus	70	155136	77958	15	Gaidius tenuispinus	6	30720	15594
13	Mysis litoralis	38	45	23	15	Limnocalanus macrurus	6	512	260
13	Hyperia sp.	38	3	2	15	Limnocalanus macrurus	70	1536	780
13	Hyperia galba	38	2	1	15	Microcalanus pygmaeus	6	36352	18453
13	Onisimus sp.	38	1	Trace	15	Pseudocalanus minutus	6	512	260
13	Family Chironomidae	31	4	2	15	Pseudocalanus minutus	70	176128	89405
13	Family Culicidae	31	2	1	15	Semibalanus balanoides	92	8	4
13	Limacina helicina		2	1	15	Mysis litoralis	38	332	169
13	Sagitta elegans		646	325	15	Hyperia galba	38	2	1
13	Unidentified fish egg		16	8	15	Hyperia medusarum	38	1	Trace
14	Class Hydrozoa	20	0	Present	15	Parathemisto sp.	38	2	1
14	Aeginopsis laurentii		7	4	15	Family Chironomidae	7	3	2
14	Aglantha digitale		714	359	15	Family Chironomidae	31	1	Trace
14	Phylum Ctenophora	39	0	Present	15	Family Sciaridae	31	3	2
14	Beroe cucumis		1	Trace	15	Family Aphididae	31	1	Trace
14	Mertensia ovum		14	7	15	Clione limacina		4	2
14	Gaidius tenuispinus	6	29184	14665	15	Limacina helicina		12	6
14	Limnocalanus macrurus	6	512	257	15	Trichotropis borealis		10	5
14	Limnocalanus macrurus	70	3584	1801	15	Sagitta elegans		1035	525
14	Microcalanus pygmaeus	6	43008	21612	15	Sagitta elegans	4	9	5
14	Pseudocalanus minutus	70	174080	87477	16	Aglantha digitale		7168	3676
14	Mysis litoralis	38	45	23	16	Phylum Ctenophora	39	0	Present
14	Mysis relicta	38	1	Trace	16	Mertensia ovum		46	24
14	Hyperia sp.	38	1	Trace	16	Autolytus cornutus		1	Trace
14	Hyperia galba	38	3	2	16	Gaidius tenuispinus	6	41984	21530
14	Hyperia medusarum	38	1	Trace	16	Limnocalanus macrurus	6	1024	525
14	Family Chironomidae	31	3	2	16	Microcalanus pygmaeus	6	40960	21005
14	Order Diptera	31	7	4	16	Pseudocalanus minutus	6	2048	1050
14	Family Sciaridae	31	1	Trace					

a Comment code descriptions given in Table 9.

Table 22. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 500 µm bongo nets during 1987 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
16	<i>Pseudocalanus minutus</i>	70	184320	94523	22	<i>Calanus</i> sp.	6	1024	488
16	<i>Mysis litoralis</i>	38	306	157	22	<i>Gaidius tenuispinus</i>	6	37888	18042
16	<i>Hyperia</i> sp.	38	1	Trace	22	<i>Limnocalanus macrurus</i>	6	11264	5364
16	<i>Hyperia medusarum</i>	38	1	Trace	22	<i>Limnocalanus macrurus</i>	70	24576	11703
16	<i>Parathemisto</i> sp.	38	1	Trace	22	<i>Microcalanus pygmaeus</i>	6	38912	18530
16	Family Paguridae	92	1	Trace	22	<i>Pseudocalanus minutus</i>	6	5120	2438
16	<i>Clione limacina</i>		1	Trace	22	<i>Pseudocalanus minutus</i>	70	152576	72655
16	<i>Limacina helicina</i>		1	Trace	22	<i>Mysis litoralis</i>	38	331	158
16	<i>Sagitta elegans</i>		2048	1050	22	<i>Mysis relicta</i>	31	7	3
21	Class Hydrozoa	20	0	Present	22	<i>Aceroides latipes</i>	38	1	Trace
21	Phylum Ctenophora	39	0	Present	22	<i>Hyperia galba</i>	31	9	4
21	<i>Beroe cucumis</i>		1	Trace	22	<i>Hyperia galba</i>	38	4	2
21	<i>Mertensia ovum</i>		6	3	22	<i>Monoculodes</i> sp.	38	3	1
21	<i>Tiphys</i> sp.		1	Trace	22	<i>Pontoporeia</i> sp.	31	1	Trace
21	<i>Gaidius tenuispinus</i>	6	23552	11162	22	Family Chironomidae	31	2	Trace
21	<i>Limnocalanus macrurus</i>	6	9216	4368	22	Family Culicidae	31	1	Trace
21	<i>Limnocalanus macrurus</i>	70	25088	11890	22	<i>Limacina helicina</i>		1	Trace
21	<i>Microcalanus pygmaeus</i>	6	20480	9706	22	<i>Trichotropis borealis</i>		9	4
21	<i>Pseudocalanus minutus</i>	70	135680	64303	22	<i>Eukrohnia hamata</i>		3	1
21	<i>Mysis litoralis</i>	38	264	125	22	<i>Sagitta elegans</i>		314	150
21	<i>Mysis relicta</i>	38	3	1	22	Unidentified fish egg		52	25
21	<i>Hyperia galba</i>	31	1	Trace	23	Class Hydrozoa	20	0	Present
21	<i>Hyperia galba</i>	38	6	3	23	Phylum Ctenophora	39	0	Present
21	<i>Hyperia medusarum</i>	31	3	1	23	<i>Mertensia ovum</i>		3	2
21	<i>Onisimus</i> sp.	38	2	Trace	23	Family Halocyprididae		1	Trace
21	<i>Hyas</i> sp.	92	1	Trace	23	<i>Gaidius tenuispinus</i>	6	149504	81696
21	Family Chironomidae	31	3	1	23	<i>Limnocalanus macrurus</i>	70	10240	5596
21	Family Sciaridae		1	Trace	23	<i>Microcalanus pygmaeus</i>	6	83968	45884
21	<i>Limacina helicina</i>		3	1	23	<i>Pseudocalanus minutus</i>	70	495616	270828
21	<i>Trichotropis borealis</i>		11	5	23	<i>Semibalanus balanoides</i>		2048	1119
21	<i>Eukrohnia hamata</i>		7	3	23	<i>Mysis litoralis</i>	38	18432	10072
21	<i>Sagitta elegans</i>		322	153	23	<i>Aceroides latipes</i>	38	11	6
21	Unidentified fish egg		65	31	23	<i>Apherusa</i> sp.	38	1	Trace
22	<i>Aglantha digitale</i>		4096	1950	23	<i>Hyperia galba</i>	38	3	2
22	Phylum Ctenophora	39	0	Present	23	<i>Monoculodes</i> sp.	38	105	57
22	<i>Mertensia ovum</i>		32	15	23	<i>Onisimus</i> sp.	38	4	2
22	<i>Acartia bifilosa</i>	70	1024	488	23	<i>Parathemisto</i> sp.	38	3	2
					23	<i>Paroedicerus lynceus</i>	38	1	Trace

a Comment code descriptions given in Table 9.

Table 22. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 500 µm bongo nets during 1987 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
23	Pontoporeia sp.	31	1	Trace	338	Class Hydrozoa	20	0	Present
23	Pontoporeia sp.	38	1	Trace	338	Acartia clausi	70	4	2
23	Hyperidae sp.	32	1	Trace	338	Acartia bifilosa	70	1325	602
23	Limacina helicina		5	3	338	Calanus glacialis	6	4	2
23	Trichotropis borealis		4	2	338	Calanus glacialis	70	4	2
23	Eukrohnia hamata		6	3	338	Calanus hyperboreus	6	4	2
23	Sagitta elegans		573	313	338	Diaptomus sicilis	70	5	2
23	Sagitta elegans	4	3	2	338	Epischura lacustris	6	5	2
23	Oikopleura sp.		7	4	338	Epischura lacustris	70	5	2
23	Unidentified fish egg		4	2	338	Eurytemora raboti	70	30	14
24	Class Hydrozoa	20	0	Present	338	Eurytemora canadensis	6	10	5
24	Aeginopsis laurentii		2	1	338	Eurytemora canadensis	70	25	11
24	Aglantha digitale		11	6	338	Limnocalanus macrurus	70	788	358
24	Euphysa flammea		12	7	338	Metridia longa	6	4	2
24	Halitholus cirratus		7	4	338	Pseudocalanus minutus	70	20	9
24	Phylum Ctenophora	39	0	Present	338	Daphnia sp.	93	2	Trace
24	Mertensia ovum		22	12	338	Mysis litoralis	31	8	4
24	Calanus hyperboreus	6	1024	563	338	Mysis litoralis	38	821	373
24	Gaidius tenuispinus	6	86016	47262	338	Gammarus wilkitzkii	31	1	Trace
24	Limnocalanus macrurus	6	2048	1125	338	Monoculodes sp.	38	24	11
24	Limnocalanus macrurus	70	4096	2251	338	Onisimus nansenii	38	1	Trace
24	Metridia longa	70	1024	563	338	Paroedicerus sp.	38	2	Trace
24	Microcalanus pygmaeus	6	61440	33758	338	Pontoporeia sp.	38	5	2
24	Pseudocalanus minutus	6	1024	563	338	Pontoporeia femorata	31	1	Trace
24	Pseudocalanus minutus	70	370688	203675	338	Pontoporeia femorata	38	1	Trace
24	Mysis litoralis	31	8192	4501	338	Phylum Chaetognatha	39	0	Present
24	Aceroides latipes	38	3	2	339	Acartia bifilosa	70	420	192
24	Gammaracanthus loricatus	38	2	1	339	Calanus glacialis	6	4	2
24	Hyperia galba	31	2	1	339	Diaptomus sicilis	70	12	5
24	Hyperia galba	38	7	4	339	Epischura nevadensis	70	8	4
24	Monoculodes packardii	38	140	77	339	Eurytemora raboti	70	28	13
24	Onisimus sp.	38	3	2	339	Eurytemora canadensis	70	16	7
24	Pontoporeia sp.	38	10	5	339	Limnocalanus macrurus	70	776	354
24	Limacina helicina		7	4	339	Pseudocalanus minutus	70	4	2
24	Trichotropis borealis		1	Trace	339	Mysis litoralis	31	886	405
24	Sagitta elegans		607	334	339	Mysis relicta	31	9	4
24	Sagitta elegans	4	1	Trace	339	Mysis polaris	31	9	4
					339	Mesidotea entomon	38	1	Trace

a Comment code descriptions given in Table 9.

Table 22. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 500 µm bongo nets during 1987 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
339	Monoculodes sp.	38	18	8	341	Phylum Ctenophora	39	0	Present
339	Oniscimus nansenii	38	2	Trace	341	Beroe cucumis		4	2
339	Paroedicerus sp.	38	4	2	341	Mertensia ovum		38	17
339	Pontoporeia sp.	31	4	2	341	Bylgides sarsi		9	4
339	Pontoporeia femorata	38	1	Trace	341	Acartia bifilosa	70	128	56
339	Oikopleura sp.	5	6	3	341	Calanus glacialis	6	256	113
340	Class Hydrozoa	20	0	Present	341	Calanus glacialis	70	384	169
340	Aglantha digitale		612	271	341	Calanus hyperboreus	6	768	338
340	Halitholus cirratus		25	11	341	Gaidius tenuispinus	6	9472	4173
340	Phylum Ctenophora	39	0	Present	341	Gaidius tenuispinus	70	128	56
340	Beroe cucumis		12	5	341	Limnocalanus macrurus	70	1536	677
340	Mertensia ovum		67	30	341	Metridia longa	6	1792	789
340	Bylgides sarsi		9	4	341	Pseudocalanus minutus	6	640	282
340	Acartia bifilosa	70	1280	566	341	Pseudocalanus minutus	70	28160	12405
340	Calanus glacialis	6	1024	453	341	Daphnia sp.		1	Trace
340	Calanus glacialis	70	1024	453	341	Daphnia sp.	93	1	Trace
340	Calanus hyperboreus	6	1024	453	341	Mysis litoralis	31	301	133
340	Gaidius tenuispinus	6	11008	4871	341	Mysis oculata	31	9	4
340	Gaidius tenuispinus	70	256	113	341	Aceroides latipes	31	2	Trace
340	Limnocalanus macrurus	70	1536	680	341	Aceroides latipes	38	2	Trace
340	Metridia longa	6	2304	1019	341	Boeckosimus affinis	31	2	Trace
340	Pseudocalanus minutus	6	1024	453	341	Gammarus wilkitzkii	31	3	1
340	Pseudocalanus minutus	70	45056	19936	341	Hyperia medusarum	38	32	14
340	Mysis litoralis	31	3	1	341	Monoculodes sp.	38	47	21
340	Mysis litoralis	38	287	127	341	Parathemisto sp.	38	2	Trace
340	Mysis relicta	31	9	4	341	Paroedicerus lynceus	31	7	3
340	Mysis relicta	38	12	5	341	Paroedicerus lynceus	38	66	29
340	Hyperia sp.	38	48	21	341	Pontoporeia sp.	38	3	1
340	Monoculodes sp.	38	13	6	341	Pontoporeia femorata	31	2	Trace
340	Paroedicerus lynceus	31	9	4	341	Thysanoessa sp.	38	16	7
340	Paroedicerus lynceus	38	148	65	341	Thysanoessa inermis	31	3	1
340	Thysanoessa sp.	38	21	9	341	Thysanoessa raschii	31	22	10
340	Thysanoessa inermis	31	4	2	341	Sagitta elegans		4480	1974
340	Thysanoessa raschii	31	16	7	341	Oikopleura sp.		6	3
340	Cilione limacina		1	Trace	346	Family Halocyprididae		13	5
340	Eukrohnia hamata		7936	3512	346	Acartia bifilosa	70	548	228
341	Aglantha digitale		534	235	346	Diaptomus sicilis	70	20	8
341	Halitholus cirratus		11	5	346	Epischura nevadensis	6	4	2

a Comment code descriptions given in Table 9.



Table 22. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 500 µm bongo nets during 1987 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
346	<i>Epischura nevadensis</i>	70	4	2	347	<i>Pontoporeia</i> sp.	38	8	3
346	<i>Eurytemora raboti</i>	6	4	2	347	<i>Sagitta elegans</i>		2	Trace
346	<i>Eurytemora raboti</i>	70	40	17					
346	<i>Eurytemora canadensis</i>	70	12	5	348	Class Hydrozoa	20	0	Present
346	<i>Limnocalanus macrurus</i>	6	36	15	348	<i>Aglantha digitale</i>		547	293
346	<i>Limnocalanus macrurus</i>	70	812	338	348	<i>Halitholus cirratus</i>		11	6
346	<i>Pseudocalanus minutus</i>	70	16	7	348	Phylum Ctenophora	39	0	Present
346	<i>Mysis litoralis</i>	31	155	65	348	<i>Beroe cucumis</i>		3	2
346	<i>Mysis litoralis</i>	38	2	Trace	348	<i>Mertensia ovum</i>		48	26
346	<i>Mysis relicta</i>	31	8	3	348	<i>Bylgides sarsi</i>		5	3
346	<i>Mesidotea entomon</i>	38	1	Trace	348	<i>Calanus glacialis</i>	6	1024	548
346	<i>Monoculodes</i> sp.	38	16	7	348	<i>Calanus glacialis</i>	70	512	274
346	<i>Onisimus nansenii</i>	31	1	Trace	348	<i>Calanus hyperboreus</i>	6	1280	684
346	<i>Onisimus nansenii</i>	38	16	7	348	<i>Gaidius tenuispinus</i>	6	8448	4518
346	<i>Pontoporeia</i> sp.	38	4	2	348	<i>Gaidius tenuispinus</i>	70	2560	1369
346	<i>Pontoporeia femorata</i>	38	1	Trace	348	<i>Limnocalanus macrurus</i>	70	5120	2738
346	<i>Sagitta elegans</i>		1	Trace	348	<i>Metridia longa</i>	6	3840	2053
					348	<i>Metridia longa</i>	70	256	137
347	<i>Acartia bifilosa</i>	70	332	138	348	<i>Pseudocalanus minutus</i>	6	1024	548
347	<i>Diaptomus sicilis</i>	70	4	2	348	<i>Pseudocalanus minutus</i>	70	57344	30665
347	<i>Epischura lacustris</i>	70	8	3	348	<i>Mysis litoralis</i>	31	316	169
347	<i>Epischura nevadensis</i>	70	4	2	348	<i>Mysis litoralis</i>	38	7	4
347	<i>Eurytemora raboti</i>	70	28	12	348	<i>Mysis relicta</i>	31	28	15
347	<i>Eurytemora canadensis</i>	6	4	2	348	<i>Apherusa glacialis</i>	38	1	Trace
347	<i>Eurytemora canadensis</i>	70	24	10	348	<i>Monoculodes</i> sp.	38	36	19
347	<i>Limnocalanus macrurus</i>	70	1080	450	348	<i>Onisimus</i> sp.	38	2	1
347	<i>Pseudocalanus minutus</i>	70	16	7	348	<i>Onisimus nansenii</i>	31	1	Trace
347	<i>Mesocyclops edax</i>	70	4	2	348	<i>Onisimus nansenii</i>	38	1	Trace
347	<i>Daphnia</i> sp.		1	Trace	348	<i>Parathemisto</i> sp.	38	2	1
347	<i>Daphnia</i> sp.	93	17	7	348	<i>Paroedicerus lynceus</i>	38	28	15
347	<i>Mysis litoralis</i>	31	314	131	348	<i>Pontoporeia</i> sp.	38	5	3
347	<i>Mysis litoralis</i>	38	3	1	348	Hyperiididae sp.	32	11	6
347	<i>Mysis relicta</i>	31	3	1	348	<i>Thysanoessa</i> sp.	38	21	11
347	<i>Mesidotea entomon</i>	32	1	Trace	348	<i>Thysanoessa inermis</i>	31	3	2
347	<i>Gammaracanthus loricatus</i>	38	1	Trace	348	<i>Thysanoessa raschii</i>	31	6	3
347	<i>Gammarus wilkitzkii</i>	38	2	Trace	348	<i>Sagitta elegans</i>		4864	2601
347	<i>Monoculodes</i> sp.	38	22	9					
347	<i>Onisimus</i> sp.	38	24	10	349	Class Hydrozoa	20	0	Present
347	<i>Onisimus nansenii</i>	31	4	2	349	<i>Aglantha digitale</i>		512	272

a Comment code descriptions given in Table 9.

Table 22. Count and abundance (Number/100 m<sup>3</sup>) of animals captured in 500 µm bongo nets during 1987 (CONTINUED).

Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample		Plankton Sample Number	Specimen <sup>a</sup>		Plankton Sample	
	Name	Comment Code	Number Counted	Abundance		Name	Comment Code	Number Counted	Abundance
349	<i>Euphysa flammea</i>		5	3	349	<i>Mysis littoralis</i>	38	304	162
349	<i>Halitholus cirratus</i>		22	12	349	<i>Mysis relicta</i>	31	14	7
349	Phylum Ctenophora	39	0	Present	349	<i>Mysis relicta</i>	38	10	5
349	<i>Beroe cucumis</i>		6	3	349	<i>Aceroides latipes</i>	38	2	1
349	<i>Mertensia ovum</i>		41	22	349	<i>Gammaracanthus loricatus</i>	31	2	1
349	<i>Bylgides sarsi</i>		9	5	349	<i>Hyperia galba</i>	31	3	2
349	<i>Calanus glacialis</i>	6	384	204	349	<i>Monoculodes</i> sp.	38	44	23
349	<i>Calanus glacialis</i>	70	384	204	349	<i>Onisimus nanseni</i>	31	3	2
349	<i>Calanus hyperboreus</i>	6	128	68	349	<i>Paroediceros</i> sp.	38	31	16
349	<i>Gaidius tenuispinus</i>	6	7040	3745	349	<i>Pontoporeia</i> sp.	31	4	2
349	<i>Gaidius tenuispinus</i>	70	512	272	349	<i>Pontoporeia</i> sp.	38	2	1
349	<i>Limnocalanus macrurus</i>	70	2944	1566	349	<i>Pontoporeia femorata</i>	38	2	1
349	<i>Metridia longa</i>	6	2048	1089	349	<i>Hyperiid</i> sp.	32	55	29
349	<i>Metridia longa</i>	70	128	68	349	<i>Thysanoessa</i> sp.	38	11	6
349	<i>Pseudocalanus minutus</i>	6	256	136	349	<i>Thysanoessa inermis</i>	31	2	1
349	<i>Pseudocalanus minutus</i>	70	30592	16272	349	<i>Thysanoessa raschii</i>	31	13	7
349	<i>Mysis littoralis</i>	31	3	2	349	<i>Sagitta elegans</i>		5416	2881

a Comment code descriptions given in Table 9.

Table 23. Weight and biomass data by taxonomic group for neuston net catches during 1986.

Plankton Sample Number	Taxonomic Group <sup>a</sup>		Number in Sample		Weight (g)		Biomass (g/100 m <sup>3</sup> )	
	Name	Comment Code	Total	Weighed	Wet	Dry	Wet	Dry
86	Copepoda (Class)		1272	318	0.020	0.008	0.011	0.004
86	Insecta (Class)		3	3	0.002	<0.001	0.001	<0.001
87	Copepoda (Class)		892	446	0.106	0.010	0.063	0.006
87	Insecta (Class)		4	4	0.001	<0.001	0.001	<0.001
94	Copepoda (Class)		3800	475	0.096	0.024	0.052	0.013
94	Insecta (Class)		11	11	0.003	<0.001	0.002	<0.001
95	Copepoda (Class)		5520	345	0.624	0.064	0.359	0.037
95	Amphipoda (Order)		1	1	<0.001	<0.001	<0.001	<0.001
95	Insecta (Class)	85	10	10	0.010	0.002	0.006	0.001
95	Chaetognatha (Phylum)		1	1	<0.001	<0.001	<0.001	<0.001
283	Acari (Order)		32	1	<0.001	<0.001	<0.001	<0.001
283	Copepoda (Class)		10464	327	0.128	0.032	0.090	0.023
283	Cladocera (Suborder)		64	2	<0.001	<0.001	<0.001	<0.001
283	Insecta (Class)		3	3	0.009	0.002	0.006	0.001
284	Copepoda (Class)		12704	397	0.992	0.160	0.684	0.110
284	Cladocera (Suborder)		192	6	<0.001	<0.001	<0.001	<0.001
284	Insecta (Class)		6	6	0.006	0.001	0.004	0.001
284	Chaetognatha (Phylum)		5	5	0.004	0.001	0.003	0.001
291	Copepoda (Class)		9728	314	0.093	0.031	0.070	0.023
291	Amphipoda (Order)		1	1	<0.001	<0.001	<0.001	<0.001
291	Insecta (Class)		4	4	0.020	0.003	0.015	0.002
291	Chaetognatha (Phylum)		1	1	<0.001	<0.001	<0.001	<0.001
292	Copepoda (Class)		10176	318	0.640	0.096	0.500	0.075
292	Cladocera (Suborder)		1	1	<0.001	<0.001	<0.001	<0.001
292	Insecta (Class)		6	6	0.006	0.001	0.005	0.001
292	Chaetognatha (Phylum)		2	2	<0.001	<0.001	<0.001	<0.001

<sup>a</sup> Comment code descriptions given in Table 9.

Table 24. Weight and biomass data by taxonomic group for 500  $\mu\text{m}$  bongo net catches during 1986.

Plankton Sample Number	Taxonomic Group <sup>a</sup>		Number in Sample		Weight (g)		Biomass (g/100 m <sup>3</sup> )	
	Name	Comment Code	Total	Weighed	Wet	Dry	Wet	Dry
82	Hydrozoa (Class)	85	232	232	1.858	0.203	0.723	0.079
82	Ctenophora (Phylum)	85	146	146	0.455	0.130	0.177	0.051
82	Polychaeta (Class)		2	2	0.039	0.005	0.015	0.002
82	Copepoda (Class)		277504	270	26.723	9.250	10.398	3.599
82	Mysidacea (Order)		0	0	<0.001	<0.001	<0.001	<0.001
82	Amphipoda (Order)		444	440	0.252	0.036	0.098	0.014
82	Euphausiacea (Order)		1	1	0.039	0.005	0.015	0.002
82	Insecta (Class)		10	10	0.003	<0.001	0.001	<0.001
82	Chaetognatha (Phylum)		678	678	0.790	0.066	0.307	0.026
83	Hydrozoa (Class)		236	236	2.173	0.260	0.826	0.099
83	Ctenophora (Phylum)		110	110	0.282	0.071	0.107	0.027
83	Copepoda (Class)		380928	372	124.928	16.384	47.501	6.230
83	Mysidacea (Order)		993	993	1.866	0.355	0.710	0.135
83	Amphipoda (Order)		293	293	0.269	0.034	0.102	0.013
83	Euphausiacea (Order)		4	4	0.254	0.041	0.097	0.016
83	Insecta (Class)		3	3	0.002	0.001	0.001	<0.001
83	Chaetognatha (Phylum)		739	739	0.480	0.071	0.183	0.027
84	Hydrozoa (Class)		156	156	1.342	0.156	0.699	0.081
84	Ctenophora (Phylum)		128	128	0.296	0.082	0.154	0.043
84	Copepoda (Class)		217088	424	76.800	11.776	40.000	6.133
84	Mysidacea (Order)		3075	9	5.467	1.367	2.847	0.712
84	Amphipoda (Order)		499	493	0.243	0.055	0.127	0.029
84	Euphausiacea (Order)		3	3	0.189	0.033	0.098	0.017
84	Chaetognatha (Phylum)		585	585	0.367	0.057	0.191	0.030
84	Larvacea (Class)		1	1	<0.001	<0.001	<0.001	<0.001
85	Hydrozoa (Class)		136	136	0.683	0.095	0.350	0.049
85	Ctenophora (Phylum)	85	92	92	0.189	0.064	0.097	0.033
85	Copepoda (Class)		223744	437	18.944	8.192	9.715	4.201
85	Mysidacea (Order)		4068	9	1.356	0.452	0.695	0.232
85	Amphipoda (Order)		2048	4	0.512	<0.001	0.263	<0.001
85	Chaetognatha (Phylum)		243	243	0.202	0.045	0.104	0.023
90	Hydrozoa (Class)	85	134	134	1.470	0.137	0.639	0.060
90	Ctenophora (Phylum)	85	119	119	0.325	0.085	0.141	0.037
90	Copepoda (Class)		156672	306	10.240	5.120	4.452	2.226
90	Mysidacea (Order)		918	918	2.475	0.486	1.076	0.211
90	Amphipoda (Order)		644	643	0.296	0.047	0.129	0.020
90	Insecta (Class)		2	2	0.001	<0.001	<0.001	<0.001
90	Chaetognatha (Phylum)	85	610	610	0.345	0.051	0.150	0.022
91	Hydrozoa (Class)		278	278	4.522	0.404	1.941	0.173
91	Ctenophora (Phylum)		172	172	0.852	0.185	0.366	0.079
91	Polychaeta (Class)		1	1	0.003	0.001	0.001	<0.001
91	Copepoda (Class)		247296	483	70.656	10.240	30.324	4.395
91	Mysidacea (Order)		837	837	1.771	0.381	0.760	0.164
91	Isopoda (Order)		2	2	0.003	0.001	0.001	<0.001
91	Amphipoda (Order)		835	835	0.367	0.045	0.158	0.019
91	Chaetognatha (Phylum)		1074	1074	0.702	0.094	0.301	0.040
92	Hydrozoa (Class)	85	232	230	2.479	0.206	1.073	0.089
92	Ctenophora (Phylum)		114	114	0.427	0.096	0.185	0.042
92	Polychaeta (Class)		1	1	0.007	0.003	0.003	0.001
92	Copepoda (Class)		186880	365	40.448	4.608	17.510	1.995
92	Mysidacea (Order)	85	803	190	10.718	2.316	4.640	1.003
92	Isopoda (Order)		1	1	0.005	0.002	0.002	0.001
92	Amphipoda (Order)		1097	72	3.931	0.427	1.702	0.185
92	Chaetognatha (Phylum)	85	812	812	0.359	0.071	0.155	0.031

a Comment code descriptions given in Table 9.

Table 24. Weight and biomass data by taxonomic group for 500  $\mu$ m bongo net catches during 1986 (CONTINUED).

Plankton Sample Number	Taxonomic Group <sup>a</sup>		Number in Sample		Weight (g)		Biomass (g/100 m <sup>3</sup> )	
	Name	Comment Code	Total	Weighed	Wet	Dry	Wet	Dry
93	Hydrozoa (Class)		259	259	1.570	0.180	0.671	0.077
93	Ctenophora (Phylum)		140	140	0.456	0.106	0.195	0.045
93	Polychaeta (Class)	89	1	0				
93	Copepoda (Class)		191488	374	15.360	5.120	6.564	2.188
93	Mysidacea (Order)		610	610	2.471	0.563	1.056	0.241
93	Isopoda (Order)		2	2	0.001	<0.001	<0.001	<0.001
93	Amphipoda (Order)		1024	2	0.512	<0.001	0.219	<0.001
93	Chaetognatha (Phylum)		996	996	0.313	0.068	0.134	0.029
279	Hydrozoa (Class)		6	6	0.085	0.011	0.043	0.006
279	Copepoda (Class)		72448	283	6.656	2.304	3.379	1.170
279	Mysidacea (Order)		2	2	0.016	0.008	0.008	0.004
279	Euphausiacea (Order)		1	1	0.038	0.012	0.019	0.006
279	Insecta (Class)		1	1	0.001	0.001	0.001	0.001
279	Chaetognatha (Phylum)		3328	13	20.992	1.024	10.656	0.520
280	Hydrozoa (Class)		9	9	0.042	0.009	0.021	0.005
280	Ctenophora (Phylum)	39	0	0	0.039	0.015	0.020	0.008
280	Copepoda (Class)		72576	567	8.064	3.840	4.073	1.939
280	Mysidacea (Order)		1	1	0.004	0.001	0.002	0.001
280	Amphipoda (Order)	85	49	49	0.005	0.002	0.003	0.001
280	Chaetognatha (Phylum)		896	7	0.384	0.128	0.194	0.065
281	Hydrozoa (Class)		12	12	0.099	0.013	0.042	0.006
281	Copepoda (Class)		37120	290	11.008	1.536	4.724	0.659
281	Amphipoda (Order)		1	1	<0.001	<0.001	<0.001	<0.001
281	Decapoda (Order)		1	1	0.001	<0.001	<0.001	<0.001
281	Insecta (Class)		1	1	<0.001	<0.001	<0.001	<0.001
281	Chaetognatha (Phylum)		904	904	2.782	0.288	1.194	0.124
282	Hydrozoa (Class)		10	10	0.042	0.008	0.018	0.003
282	Ctenophora (Phylum)		2	2	0.002	<0.001	0.001	<0.001
282	Copepoda (Class)		64000	500	7.680	2.560	3.325	1.108
282	Amphipoda (Order)		2	2	0.001	<0.001	<0.001	<0.001
282	Chaetognatha (Phylum)		844	844	1.460	0.255	0.632	0.110
287	Hydrozoa (Class)		14	14	0.213	0.021	0.105	0.010
287	Ctenophora (Phylum)	85	5	5	0.042	0.018	0.021	0.009
287	Copepoda (Class)		100608	393	8.448	3.584	4.182	1.774
287	Mysidacea (Order)	85	9	9	0.032	0.011	0.016	0.005
287	Amphipoda (Order)		77	76	0.024	0.004	0.012	0.002
287	Chaetognatha (Phylum)		777	777	2.877	0.306	1.424	0.151
287	Larvacea (Class)		3	3	0.001	<0.001	<0.001	<0.001
288	Hydrozoa (Class)	85	17	17	0.079	0.014	0.039	0.007
288	Ctenophora (Phylum)		8	8	0.046	0.012	0.023	0.006
288	Copepoda (Class)		83968	328	7.424	2.304	3.694	1.146
288	Mysidacea (Order)		6	6	0.009	0.002	0.004	0.001
288	Amphipoda (Order)	85	46	46	0.005	0.001	0.002	<0.001
288	Chaetognatha (Phylum)		751	751	1.626	0.300	0.809	0.149
289	Hydrozoa (Class)		13	13	0.116	0.019	0.068	0.011
289	Ctenophora (Phylum)		16	16	0.006	0.001	0.004	0.001
289	Copepoda (Class)		85248	326	23.796	2.615	13.916	1.529
289	Mysidacea (Order)		6	6	0.038	0.006	0.022	0.004
289	Amphipoda (Order)		337	103	0.340	0.069	0.199	0.040
289	Insecta (Class)		2	2	0.001	<0.001	0.001	<0.001
289	Chaetognatha (Phylum)		755	755	2.420	0.229	1.415	0.134

<sup>a</sup> Comment code descriptions given in Table 9.

Table 24. Weight and biomass data by taxonomic group for 500  $\mu\text{m}$  bongo net catches during 1986 (CONTINUED).

Plankton Sample Number	Taxonomic Group <sup>a</sup>		Number in Sample		Weight (g)		Biomass (g/100 m <sup>3</sup> )	
	Name	Comment Code	Total	Weighed	Wet	Dry	Wet	Dry
290	Hydrozoa (Class)	85	19	19	0.111	0.022	0.066	0.013
290	Ctenophora (Phylum)	85	3	3	0.021	0.007	0.012	0.004
290	Copepoda (Class)		79104	309	7.936	2.560	4.696	1.515
290	Mysidacea (Order)		6	6	0.026	0.006	0.015	0.004
290	Amphipoda (Order)		51	51	0.005	0.002	0.003	0.001
290	Euphausiacea (Order)		1	1	0.030	0.007	0.018	0.004
290	Chaetognatha (Phylum)		648	648	1.151	0.228	0.681	0.135

<sup>a</sup> Comment code descriptions given in Table 9.

Table 25. Weight and biomass data by taxonomic group for 500  $\mu$ m neuston net catches during 1987.

Plankton Sample Number	Taxonomic Group <sup>a</sup>		Number in Sample		Weight (g)		Biomass (g/100 m <sup>3</sup> )	
	Name	Comment Code	Total	Weighed	Wet	Dry	Wet	Dry
17	Copepoda (Class)		4528	566	0.080	0.016	0.053	0.011
17	Cladocera (Suborder)		48	6	<0.001	<0.001	<0.001	<0.001
17	Cladocera (Suborder)	93	1	1	<0.001	<0.001	<0.001	<0.001
17	Amphipoda (Order)		6	6	0.001	<0.001	0.001	<0.001
17	Insecta (Class)		56	56	0.017	0.005	0.011	0.003
18	Polychaeta (Class)		4	1	<0.001	<0.001	<0.001	<0.001
18	Copepoda (Class)		2100	525	0.056	0.020	0.035	0.012
18	Cladocera (Suborder)		11	5	<0.001	<0.001	<0.001	<0.001
18	Cladocera (Suborder)	4	2	0				
18	Cladocera (Suborder)	93	1	1	<0.001	<0.001	<0.001	<0.001
18	Amphipoda (Order)		4	4	0.001	<0.001	0.001	<0.001
18	Insecta (Class)		39	39	0.011	0.004	0.007	0.002
18	Unidentified fish egg		16	16	<0.001	<0.001	<0.001	<0.001
25	Hydrozoa (Class)	20	0	0	0.002	<0.001	0.002	<0.001
25	Copepoda (Class)		7088	443	0.240	0.080	0.194	0.065
25	Amphipoda (Order)		2	2	<0.001	<0.001	<0.001	<0.001
25	Insecta (Class)		34	34	0.010	0.002	0.008	0.002
25	Chaetognatha (Phylum)		8	8	0.027	0.004	0.022	0.003
25	Unidentified egg		45	45	0.001	<0.001	0.001	<0.001
26	Hydrozoa (Class)	20	0	0	<0.001	<0.001	<0.001	<0.001
26	Ctenophora (Phylum)	39	0	0	<0.001	<0.001	<0.001	<0.001
26	Copepoda (Class)		882	441	0.024	0.012	0.017	0.008
26	Cirripedia (Class)		2	2	<0.001	<0.001	<0.001	<0.001
26	Mysidacea (Order)		2	2	0.001	<0.001	0.001	<0.001
26	Amphipoda (Order)		12	12	0.005	0.001	0.003	0.001
26	Insecta (Class)		49	49	0.015	0.004	0.010	0.003
26	Chaetognatha (Phylum)		1	1	0.001	<0.001	0.001	<0.001
342	Hydrozoa (Class)	20	0	0	0.001	<0.001	0.001	<0.001
342	Copepoda (Class)		1756	439	0.056	0.016	0.034	0.010
342	Cladocera (Suborder)		3	3	<0.001	<0.001	<0.001	<0.001
342	Cladocera (Suborder)	93	7	7	<0.001	<0.001	<0.001	<0.001
342	Isopoda (Order)		3	3	0.081	0.017	0.049	0.010
343	Hydrozoa (Class)	20	0	0	<0.001	<0.001	<0.001	<0.001
343	Copepoda (Class)		4136	507	0.163	0.049	0.101	0.030
343	Cladocera (Suborder)		1	1	<0.001	<0.001	<0.001	<0.001
343	Cladocera (Suborder)	93	7	7	<0.001	<0.001	<0.001	<0.001
343	Isopoda (Order)		1	1	0.077	0.027	0.048	0.017
350	Copepoda (Class)		2640	330	0.064	0.016	0.040	0.010
350	Cladocera (Suborder)		1	1	<0.001	<0.001	<0.001	<0.001
350	Cladocera (Suborder)	93	15	15	<0.001	<0.001	<0.001	<0.001
350	Isopoda (Order)		5	5	0.095	0.027	0.059	0.017
350	Larvacea (Class)		1	1	<0.001	<0.001	<0.001	<0.001
351	Hydrozoa (Class)	20	0	0	<0.001	<0.001	<0.001	<0.001
351	Copepoda (Class)		1232	258	0.057	0.019	0.038	0.013
351	Cladocera (Suborder)	4	0	0				
351	Cladocera (Suborder)	93	6	6	<0.001	<0.001	<0.001	<0.001
351	Isopoda (Order)		5	5	0.153	0.041	0.102	0.027
351	Amphipoda (Order)		1	1	0.002	<0.001	0.001	<0.001
351	Chaetognatha (Phylum)		3	3	0.001	<0.001	0.001	<0.001

<sup>a</sup> Comment code descriptions given in Table 9.

Table 26. Weight and biomass data by taxonomic group for 500 µm bongo net catches during 1987.

Plankton Sample Number	Taxonomic Group <sup>a</sup>		Number in Sample		Weight (g)		Biomass (g/100 m <sup>3</sup> )	
	Name	Comment Code	Total	Weighed	Wet	Dry	Wet	Dry
13	Hydrozoa (Class)	85	734	734	1.834	0.210	0.922	0.106
13	Ctenophora (Phylum)	85	18	18	0.134	0.038	0.067	0.019
13	Copepoda (Class)		222208	434	13.312	4.096	6.689	2.058
13	Mysidacea (Order)		45	45	0.027	0.009	0.014	0.005
13	Amphipoda (Order)		6	6	0.018	0.004	0.009	0.002
13	Insecta (Class)		6	6	0.005	0.002	0.003	0.001
13	Gastropoda (Class)		2	2	<0.001	<0.001	<0.001	<0.001
13	Chaetognatha (Phylum)		646	646	3.367	0.508	1.692	0.255
13	Unidentified fish egg		16	16	0.006	<0.001	0.003	<0.001
14	Hydrozoa (Class)	85	721	721	1.761	0.244	0.885	0.123
14	Ctenophora (Phylum)	85	15	15	0.170	0.046	0.085	0.023
14	Copepoda (Class)		250368	489	13.824	5.632	6.947	2.830
14	Mysidacea (Order)		46	46	0.026	0.009	0.013	0.005
14	Amphipoda (Order)		5	5	0.015	0.005	0.008	0.003
14	Insecta (Class)		13	13	0.010	0.005	0.005	0.003
14	Gastropoda (Class)		1	1	<0.001	<0.001	<0.001	<0.001
14	Chaetognatha (Phylum)		659	659	2.880	0.503	1.447	0.253
14	Unidentified fish egg		25	25	0.008	0.001	0.004	0.001
15	Hydrozoa (Class)		3584	7	4.608	1.024	2.339	0.520
15	Ctenophora (Phylum)	85	58	58	0.215	0.062	0.109	0.031
15	Copepoda (Class)		247808	484	14.336	5.120	7.277	2.599
15	Cirripedia (Class)		8	8	<0.001	<0.001	<0.001	<0.001
15	Mysidacea (Order)		332	332	0.239	0.071	0.121	0.036
15	Amphipoda (Order)		5	5	0.013	0.004	0.007	0.002
15	Insecta (Class)	85	8	8	0.003	0.001	0.002	0.001
15	Gastropoda (Class)		26	26	0.007	0.003	0.004	0.002
15	Chaetognatha (Phylum)		1044	1035	4.424	0.856	2.246	0.435
16	Hydrozoa (Class)		7168	7	10.240	4.096	5.251	2.101
16	Ctenophora (Phylum)	85	46	46	0.167	0.055	0.086	0.028
16	Polychaeta (Class)		1	1	0.001	<0.001	0.001	<0.001
16	Copepoda (Class)		270336	264	13.312	4.096	6.827	2.101
16	Mysidacea (Order)		306	306	0.212	0.061	0.109	0.031
16	Amphipoda (Order)		3	3	0.008	0.002	0.004	0.001
16	Decapoda (Order)		1	1	<0.001	<0.001	<0.001	<0.001
16	Gastropoda (Class)		2	2	0.014	0.003	0.007	0.002
16	Chaetognatha (Phylum)		2048	2	12.288	3.072	6.302	1.575
21	Hydrozoa (Class)	20	0	0	<0.001	<0.001	<0.001	<0.001
21	Ctenophora (Phylum)	85	7	7	0.102	0.038	0.048	0.018
21	Acari (Order)		1	1	<0.001	<0.001	<0.001	<0.001
21	Copepoda (Class)		214016	418	10.752	4.096	5.096	1.941
21	Mysidacea (Order)		267	267	0.552	0.141	0.262	0.067
21	Amphipoda (Order)		12	12	0.031	0.007	0.015	0.003
21	Decapoda (Order)		1	1	<0.001	<0.001	<0.001	<0.001
21	Insecta (Class)		4	4	0.002	0.001	0.001	<0.001
21	Gastropoda (Class)		14	14	0.003	0.001	0.001	<0.001
21	Chaetognatha (Phylum)		329	329	1.110	0.227	0.526	0.108
21	Unidentified fish egg		65	65	0.038	0.002	0.018	0.001
22	Hydrozoa (Class)		4096	4	4.096	2.048	1.950	0.975
22	Ctenophora (Phylum)	85	32	32	0.125	0.039	0.060	0.019
22	Copepoda (Class)		272384	266	14.336	5.120	6.827	2.438
22	Mysidacea (Order)		338	338	0.519	0.131	0.247	0.062
22	Amphipoda (Order)		18	18	0.060	0.015	0.029	0.007
22	Insecta (Class)		3	3	<0.001	<0.001	<0.001	<0.001
22	Gastropoda (Class)		10	9	<0.001	<0.001	<0.001	<0.001
22	Chaetognatha (Phylum)		317	317	1.643	0.250	0.782	0.119

<sup>a</sup> Comment code descriptions given in Table 9.



Table 26. Weight and biomass data by taxonomic group for 500 µm bongo net catches during 1987 (CONTINUED).

Plankton Sample Number	Taxonomic Group <sup>a</sup>		Number in Sample		Weight (g)		Biomass (g/100 m <sup>3</sup> )	
	Name	Comment Code	Total	Weighed	Wet	Dry	Wet	Dry
22	Unidentified fish egg		52	52	0.012	0.002	0.006	0.001
23	Hydrozoa (Class)	20	0	0	<0.001	<0.001	<0.001	<0.001
23	Ctenophora (Phylum)	85	3	3	0.004	0.002	0.002	0.001
23	Ostracoda (Class)		1	1	<0.001	<0.001	<0.001	<0.001
23	Copepoda (Class)		739328	361	26.624	10.240	14.549	5.596
23	Cirripedia (Class)		2048	1	<0.001	<0.001	<0.001	<0.001
23	Mysidacea (Order)		18432	9	18.432	6.144	10.072	3.357
23	Amphipoda (Order)		131	131	0.042	0.013	0.023	0.007
23	Gastropoda (Class)		9	9	0.004	0.001	0.002	0.001
23	Chaetognatha (Phylum)		582	579	1.468	0.356	0.802	0.195
23	Larvacea (Class)		7	7	0.006	0.002	0.003	0.001
23	Unidentified fish egg		4	4	<0.001	<0.001	<0.001	<0.001
24	Hydrozoa (Class)	85	32	32	0.208	0.044	0.114	0.024
24	Ctenophora (Phylum)	85	22	22	0.308	0.085	0.169	0.047
24	Copepoda (Class)		527360	515	25.600	8.192	14.066	4.501
24	Mysidacea (Order)		8192	47	9.063	2.789	4.980	1.532
24	Amphipoda (Order)		167	167	0.069	0.019	0.038	0.010
24	Gastropoda (Class)		8	8	<0.001	<0.001	<0.001	<0.001
24	Chaetognatha (Phylum)		608	607	2.217	0.438	1.218	0.241
338	Hydrozoa (Class)	20	0	0	0.001	<0.001	<0.001	<0.001
338	Copepoda (Class)		2233	488	0.133	0.046	0.060	0.021
338	Cladocera (Suborder)	93	2	2	<0.001	<0.001	<0.001	<0.001
338	Mysidacea (Order)		829	829	8.958	1.688	4.072	0.767
338	Amphipoda (Order)		35	35	0.037	0.012	0.017	0.005
338	Chaetognatha (Phylum)	39	0	0	0.010	0.003	0.005	0.001
339	Copepoda (Class)		1268	317	0.080	0.028	0.037	0.013
339	Mysidacea (Order)		904	904	8.366	1.794	3.820	0.819
339	Isopoda (Order)		1	1	<0.001	<0.001	<0.001	<0.001
339	Amphipoda (Order)		29	29	0.021	0.007	0.010	0.003
339	Larvacea (Class)		6	6	0.003	0.002	0.001	0.001
340	Hydrozoa (Class)	85	637	637	4.980	0.490	2.204	0.217
340	Ctenophora (Phylum)	85	79	69	2.122	0.382	0.939	0.169
340	Polychaeta (Class)		9	9	0.019	0.006	0.008	0.003
340	Copepoda (Class)		65536	256	7.680	2.048	3.398	0.906
340	Mysidacea (Order)		311	311	3.046	0.693	1.348	0.307
340	Amphipoda (Order)		218	218	0.228	0.047	0.101	0.021
340	Euphausiacea (Order)		41	41	0.660	0.173	0.292	0.077
340	Gastropoda (Class)		1	1	0.015	0.002	0.007	0.001
340	Chaetognatha (Phylum)		7936	31	53.504	11.264	23.674	4.984
341	Hydrozoa (Class)		545	545	3.351	0.343	1.476	0.151
341	Ctenophora (Phylum)	85	42	42	1.429	0.328	0.630	0.144
341	Polychaeta (Class)	85	9	9	0.037	0.011	0.016	0.005
341	Copepoda (Class)		43264	338	3.584	1.280	1.579	0.564
341	Cladocera (Suborder)		2	2	<0.001	<0.001	<0.001	<0.001
341	Mysidacea (Order)		310	310	2.609	0.666	1.149	0.293
341	Amphipoda (Order)		168	169	0.171	0.040	0.075	0.018
341	Euphausiacea (Order)		41	41	0.642	0.172	0.283	0.076
341	Chaetognatha (Phylum)		4480	35	22.528	5.376	9.924	2.368
341	Larvacea (Class)		6	6	0.001	<0.001	<0.001	<0.001
346	Ostracoda (Class)		13	13	0.001	<0.001	<0.001	<0.001
346	Copepoda (Class)		1496	374	0.076	0.032	0.032	0.013
346	Mysidacea (Order)		165	165	1.495	0.329	0.623	0.137
346	Isopoda (Order)		1	1	0.164	0.038	0.068	0.016

<sup>a</sup> Comment code descriptions given in Table 9.

Table 26. Weight and biomass data by taxonomic group for 500  $\mu\text{m}$  bongo net catches during 1987 (CONTINUED).

Plankton Sample Number	Taxonomic Group <sup>a</sup>		Number in Sample		Weight (g)		Biomass (g/100 m <sup>3</sup> )	
	Name	Comment Code	Total	Weighed	Wet	Dry	Wet	Dry
346	Amphipoda (Order)		38	38	0.064	0.020	0.027	0.008
346	Chaetognatha (Phylum)		1	1	0.004	0.001	0.002	<0.001
347	Copepoda (Class)		1504	376	0.108	0.024	0.045	0.010
347	Cladocera (Suborder)		18	18	<0.001	<0.001	<0.001	<0.001
347	Mysidacea (Order)		320	320	3.015	0.602	1.256	0.251
347	Isopoda (Order)		1	1	0.002	<0.001	0.001	<0.001
347	Amphipoda (Order)		61	61	0.221	0.048	0.092	0.020
347	Chaetognatha (Phylum)		2	2	0.006	0.002	0.003	0.001
348	Hydrozoa (Class)	85	558	558	6.163	0.416	3.296	0.222
348	Ctenophora (Phylum)	85	51	51	0.919	0.188	0.491	0.101
348	Polychaeta (Class)		5	5	0.024	0.007	0.013	0.004
348	Copepoda (Class)		81408	318	9.984	2.304	5.339	1.232
348	Mysidacea (Order)		351	351	3.464	0.781	1.852	0.418
348	Amphipoda (Order)		87	87	0.079	0.021	0.042	0.011
348	Euphausiacea (Order)		30	30	0.262	0.075	0.140	0.040
348	Chaetognatha (Phylum)		4864	19	29.696	5.888	15.880	3.149
349	Hydrozoa (Class)	85	539	539	4.495	0.404	2.391	0.215
349	Ctenophora (Phylum)	85	47	47	0.942	0.192	0.501	0.102
349	Polychaeta (Class)		9	9	0.048	0.015	0.026	0.008
349	Copepoda (Class)		44416	347	2.688	1.024	1.430	0.545
349	Mysidacea (Order)		331	331	2.653	0.699	1.411	0.372
349	Amphipoda (Order)		148	145	0.213	0.052	0.113	0.028
349	Euphausiacea (Order)		26	26	0.505	0.134	0.269	0.071
349	Chaetognatha (Phylum)		5416	42	32.496	6.834	17.285	3.635

a Comment code descriptions given in Table 9.

Table 27. Larval and post larval fish catch summary for the 763  $\mu\text{m}$  Wisconsin samples, 1984.

Plankton Sample Number	Species Name	Count per Sample	Plankton Sample Number	Species Name	Count per Sample
24	Osmerus mordax	1	44	Osmerus mordax	4
24	Unidentified fish larvae	3	45	Osmerus mordax	1
25	Osmerus mordax	1			
25	Unidentified fish eggs				
26	Family Stichaeidae	1			
26	Unidentified fish eggs				
28	Unidentified fish eggs				

Table 28. Lengths, weight and stomach fullness data for larval and post larval fish from the 763  $\mu\text{m}$  Wisconsin samples, 1984.

Sample Number Plan- Fish kton	Species Name	Length (mm)		Weight (g)	Stomach <sup>a</sup>	
		Standard	Total		Sampled	Fullness
25	Osmerus mordax	11.00	11.00	<0.001		N
44	Osmerus mordax	40.00	46.00	0.293		N
44	Osmerus mordax	31.50	36.00	0.105		N
44	Osmerus mordax	28.00	32.50	0.071		N
45	Osmerus mordax	26.50	31.00	0.048		N

a N - not sampled; W - whole digestive tract; S - stomach only.

Table 29. Larval and post larval fish catch summary for the neuston samples, 1985.

Plankton Sample Number	Species Name	Count per Sample	Plankton Sample Number	Species Name	Count per Sample
21	<i>Osmerus mordax</i>	2	150	<i>Osmerus mordax</i>	5
21	<i>Coregonus autumnalis</i>	2	150	<i>Myoxocephalus quadricornis</i>	1
21	<i>Myoxocephalus quadricornis</i>	2			
21	Unidentified fish larvae	8	215	<i>Clupea harengus pallasii</i>	1
			215	<i>Osmerus mordax</i>	19
22	<i>Osmerus mordax</i>	6	215	<i>Myoxocephalus quadricornis</i>	2
22	<i>Coregonus autumnalis</i>	2			
22	<i>Myoxocephalus quadricornis</i>	1	216	<i>Clupea harengus pallasii</i>	8
			216	<i>Osmerus mordax</i>	38
27	<i>Clupea harengus pallasii</i>	2	216	<i>Myoxocephalus quadricornis</i>	3
27	<i>Osmerus mordax</i>	85	216	Unidentified fish larvae	3
27	<i>Myoxocephalus quadricornis</i>	3			
27	Unidentified fish larvae	61	223	<i>Clupea harengus pallasii</i>	23
			223	<i>Osmerus mordax</i>	195
28	<i>Clupea harengus pallasii</i>	6	223	<i>Myoxocephalus quadricornis</i>	1
28	<i>Osmerus mordax</i>	53	223	Unidentified fish larvae	1
28	<i>Myoxocephalus quadricornis</i>	4			
28	Unidentified fish larvae	27 <sup>a</sup>	224	<i>Clupea harengus pallasii</i>	21
			224	<i>Osmerus mordax</i>	190
141	<i>Osmerus mordax</i>	28			
141	<i>Myoxocephalus quadricornis</i>	1	325	<i>Osmerus mordax</i>	7
142	<i>Clupea harengus pallasii</i>	1	326	<i>Clupea harengus pallasii</i>	1
142	<i>Osmerus mordax</i>	40	326	<i>Osmerus mordax</i>	10
142	<i>Myoxocephalus quadricornis</i>	3			
142	Unidentified fish larvae	3	332	<i>Osmerus mordax</i>	2
149	<i>Osmerus mordax</i>	1			

a Either *Clupea harengus pallasii* or *Osmerus mordax*.

Table 30. Larval and post larval fish catch summary for the 85 and 500  $\mu\text{m}$  bongo samples, 1985.

Plankton Sample Number	Species Name	Count per Sample	Plankton Sample Number	Species Name	Count per Sample
GEAR - 85 $\mu\text{m}$ BONGO			26	Osmerus mordax	17
155	Boreogadus saida	1	26	Myoxocephalus quadricornis	1
			26	Family Stichaeidae	3
GEAR - 500 $\mu\text{m}$ BONGO			143	Clupea harengus pallasii	1
			143	Osmerus mordax	2
14	Osmerus mordax	19	145	Clupea harengus pallasii	1
14	Family Stichaeidae	5	145	Osmerus mordax	10
15	Clupea harengus pallasii	1	146	Osmerus mordax	14
15	Osmerus mordax	20	146	Myoxocephalus quadricornis	1
15	Family Stichaeidae	1	152	Platichthys stellatus	0 <sup>a</sup>
17	Osmerus mordax	1	217	Osmerus mordax	6
19	Clupea harengus pallasii	1	217	Myoxocephalus quadricornis	2
19	Osmerus mordax	2	218	Osmerus mordax	11
19	Family Stichaeidae	3	219	Clupea harengus pallasii	1
20	Osmerus mordax	2	219	Osmerus mordax	14
20	Myoxocephalus quadricornis	1	220	Osmerus mordax	9
20	Platichthys stellatus	0 <sup>a</sup>	225	Clupea harengus pallasii	2
23	Clupea harengus pallasii	7	225	Osmerus mordax	44
23	Osmerus mordax	368	225	Family Stichaeidae	1
23	Unidentified fish larvae	2	226	Clupea harengus pallasii	5
24	Clupea harengus pallasii	6	226	Osmerus mordax	35
24	Osmerus mordax	263	227	Osmerus mordax	9
24	Myoxocephalus quadricornis	1			
25	Osmerus mordax	11			
25	Family Stichaeidae	2			

a Eggs.

Table 31. Larval and post larval fish catch summary for the neuston samples, 1986.

Plankton Sample Number	Species Name	Count per Sample	Plankton Sample Number	Species Name	Count per Sample
86	<i>Osmerus mordax</i>	3	94	<i>Osmerus mordax</i>	7
86	Unidentified fish larvae	2	94	<i>Coregonus autumnalis</i>	1
87	<i>Osmerus mordax</i>	2	94	<i>Myoxocephalus quadricornis</i>	1
87	<i>Myoxocephalus quadricornis</i>	1	94	Unidentified fish larvae	7
87	Unidentified fish larvae	3	95	<i>Osmerus mordax</i>	9
			95	<i>Myoxocephalus quadricornis</i>	2
			95	Unidentified fish larvae	3

Table 32. Larval and post larval fish catch summary for the 85 and 500  $\mu\text{m}$  bongo samples, 1986.

Plankton Sample Number	Species Name	Count per Sample	Plankton Sample Number	Species Name	Count per Sample
GEAR - 85 $\mu\text{m}$ BONGO			GEAR - 500 $\mu\text{m}$ BONGO		
80	Unidentified fish larvae	1	90	<i>Clupea harengus pallasii</i>	1
89	Unidentified fish larvae	1	90	<i>Osmerus mordax</i>	2
			91	<i>Osmerus mordax</i>	4
			92	<i>Clupea harengus pallasii</i>	1
			92	<i>Osmerus mordax</i>	2
			92	<i>Myoxocephalus quadricornis</i>	1
			92	Unidentified fish larvae	4
			93	<i>Osmerus mordax</i>	4
			93	<i>Platichthys stellatus</i>	2
			281	<i>Osmerus mordax</i>	1
			282	<i>Clupea harengus pallasii</i>	2
			288	<i>Osmerus mordax</i>	1
			289	<i>Osmerus mordax</i>	1

Table 33. Larval and post larval fish catch summary for the neuston samples, 1987.

Plankton Sample Number	Species Name	Count per Sample	Plankton Sample Number	Species Name	Count per Sample
17	<i>Osmerus mordax</i>	2	342	<i>Clupea harengus pallasii</i>	18
17	Unidentified fish larvae	3			
			343	<i>Clupea harengus pallasii</i>	18
18	<i>Osmerus mordax</i>	3			
18	Unidentified fish larvae	6	350	<i>Clupea harengus pallasii</i>	3
			350	<i>Osmerus mordax</i>	1
25	<i>Clupea harengus pallasii</i>	5			
25	<i>Osmerus mordax</i>	3	351	<i>Clupea harengus pallasii</i>	8
25	<i>Coregonus</i> sp.	3	351	<i>Coregonus</i> sp.	1
25	Unidentified fish larvae	3	351	Unidentified fish larvae	4
26	<i>Clupea harengus pallasii</i>	6			
26	<i>Osmerus mordax</i>	6			
26	<i>Coregonus autumnalis</i>	1			
26	Unidentified fish larvae	4			

Table 34. Larval and post larval fish catch summary for the 500  $\mu$ m bongo samples, 1987.

Plankton Sample Number	Species Name	Count per Sample	Plankton Sample Number	Species Name	Count per Sample
13	<i>Clupea harengus pallasii</i>	1	338	<i>Clupea harengus pallasii</i>	1
13	<i>Eleginus gracilis</i>	6	338	<i>Osmerus mordax</i>	1
13	Family Stichaeidae	2			
			339	<i>Clupea harengus pallasii</i>	7
14	<i>Eleginus gracilis</i>	7	339	<i>Osmerus mordax</i>	1
14	Family Stichaeidae	3			
			340	<i>Clupea harengus pallasii</i>	3
15	<i>Eleginus gracilis</i>	1	340	<i>Osmerus mordax</i>	1
16	<i>Eleginus gracilis</i>	1	341	<i>Clupea harengus pallasii</i>	2
16	Family Stichaeidae	1	341	<i>Osmerus mordax</i>	1
21	<i>Eleginus gracilis</i>	29	346	<i>Clupea harengus pallasii</i>	2
21	Family Stichaeidae	3			
			347	<i>Clupea harengus pallasii</i>	2
22	<i>Eleginus gracilis</i>	26	347	<i>Osmerus mordax</i>	2
22	Family Stichaeidae	4	347	Family Pleuronectidae	1
			348	<i>Clupea harengus pallasii</i>	1
23	<i>Eleginus gracilis</i>	1	348	<i>Osmerus mordax</i>	3
			349	<i>Clupea harengus pallasii</i>	2
			349	<i>Osmerus mordax</i>	5

Table 35. Lengths, weight and stomach fullness data for larval and post larval fish from the neuston and 500 µm bongo samples, 1985.

Sample Number Plan- kton	Species Name	Length (mm)		Weight (g)	Stomach <sup>a</sup>	
		Standard	Total		Sampled	Fullness
20	Osmerus mordax	10.00	10.00	0.002	N	
20	Myoxocephalus quadricornis	14.00	14.50	0.009	N	
21	Coregonus autumnalis	31.50	33.00	0.220	N	
21	Coregonus autumnalis	35.00	39.00	0.326	N	
21	Myoxocephalus quadricornis	14.00	14.50	0.008	N	
22	Osmerus mordax	10.00	10.00	0.002	N	
22	Osmerus mordax	16.00	16.50	0.006	N	
22	Osmerus mordax	14.50	15.00	0.004	N	
22	Osmerus mordax	11.50	11.50	0.001	N	
22	Osmerus mordax	12.00	12.00	0.000	N	
22	Osmerus mordax	7.00	7.00	0.000	N	
22	Coregonus autumnalis	33.50	35.50	0.254	N	
22	Coregonus autumnalis	35.00	37.00	0.340	N	
22	Myoxocephalus quadricornis	15.50	16.00	0.010	N	
24	Clupea harengus pallasii	12.50	12.50	0.000	N	
24	Clupea harengus pallasii	9.00	9.00	0.000	N	
24	Clupea harengus pallasii	9.00	9.00	0.000	N	
24	Clupea harengus pallasii	8.00	8.00	0.000	N	
24	Clupea harengus pallasii	9.00	9.00	0.000	N	
24	Clupea harengus pallasii	7.00	7.00	0.000	N	
24	Myoxocephalus quadricornis	12.00	12.50	0.005	N	
26	Myoxocephalus quadricornis	14.00	15.00	0.010	N	
26	Family Stichaeidae	14.00	14.00	0.001	N	
26	Family Stichaeidae	14.00	14.00	0.002	N	
26	Family Stichaeidae	14.00	14.00	0.001	N	
27	Myoxocephalus quadricornis	13.50	14.00	0.005	N	
27	Myoxocephalus quadricornis	14.00	14.50	0.007	N	
27	Myoxocephalus quadricornis	14.00	14.50	0.006	N	
28	Clupea harengus pallasii	18.50	19.00	0.008	N	
28	Clupea harengus pallasii	13.50	13.50	0.004	N	
28	Clupea harengus pallasii	9.50	9.50	0.000	N	
28	Clupea harengus pallasii	8.50	8.50	0.000	N	
28	Clupea harengus pallasii	7.50	7.50	0.000	N	
28	Myoxocephalus quadricornis	12.50	13.00	0.005	N	
28	Myoxocephalus quadricornis	12.50	13.00	0.007	N	
28	Myoxocephalus quadricornis	13.50	14.00	0.009	N	
28	Myoxocephalus quadricornis	13.00	13.50	0.006	N	
28	Unidentified fish larvae	15.00	15.00	0.004	N	
28	Unidentified fish larvae	10.50	10.50	0.001	N	
28	Unidentified fish larvae	12.00	12.00	0.002	N	
28	Unidentified fish larvae	11.50	11.50	0.000	N	
28	Unidentified fish larvae	13.00	13.00	0.002	N	
28	Unidentified fish larvae	12.50	12.50	0.003	N	
28	Unidentified fish larvae	14.00	14.00	0.001	N	
28	Unidentified fish larvae	13.50	13.50	0.003	N	
28	Unidentified fish larvae	12.50	12.50	0.002	N	
28	Unidentified fish larvae	13.00	13.00	0.003	N	
28	Unidentified fish larvae	11.50	11.50	0.001	N	
28	Unidentified fish larvae	15.50	15.50	0.004	N	
28	Unidentified fish larvae	13.50	13.50	0.002	N	
28	Unidentified fish larvae	12.50	12.50	0.001	N	
28	Unidentified fish larvae	13.00	13.00	0.002	N	
28	Unidentified fish larvae	14.00	14.00	0.002	N	

a N - not sampled; W - whole digestive tract; S - stomach only.



Table 35. Lengths, weight and stomach fullness data for larval and post larval fish from the neuston and 500 µm bongo samples, 1985 (CONTINUED).

Sample Number Plan- kton	Species Name	Length (mm)		Weight (g)	Stomach <sup>a</sup>	
		Standard	Total		Sampled	Fullness
28	Unidentified fish larvae	10.00	10.00	0.003		N
28	Unidentified fish larvae	11.00	11.00	0.000		N
28	Unidentified fish larvae	9.00	9.00	0.000		N
28	Unidentified fish larvae	8.00	8.00	0.000		N
28	Unidentified fish larvae	6.50	6.50	0.000		N
28	Unidentified fish larvae	8.00	8.00	0.000		N
141	Myoxocephalus quadricornis	14.00	15.00	0.012		N
142	Myoxocephalus quadricornis	15.00	16.00	0.016		N
142	Myoxocephalus quadricornis	14.50	15.50	0.014		N
142	Myoxocephalus quadricornis	15.50	16.00	0.013		N
146	Osmerus mordax	22.00	23.50	0.023		N
146	Osmerus mordax	18.50	19.00	0.011		N
146	Osmerus mordax	20.00	20.50	0.012		N
146	Osmerus mordax	18.50	19.00	0.007		N
146	Osmerus mordax	17.00	18.00	0.007		N
146	Osmerus mordax	19.00	20.00	0.009		N
146	Osmerus mordax	17.00	17.50	0.008		N
146	Osmerus mordax	17.00	17.50	0.006		N
146	Osmerus mordax	16.50	16.50	0.006		N
146	Osmerus mordax	16.00	16.00	0.004		N
146	Myoxocephalus quadricornis	15.50	16.00	0.015		N
149	Osmerus mordax	18.00	18.00	0.005		N
150	Myoxocephalus quadricornis	14.00	15.00	0.011		N
215	Clupea harengus pallasii	17.50	18.00	0.009		N
215	Osmerus mordax	26.00	28.00	0.038		N
215	Osmerus mordax	20.00	20.00	0.010		N
215	Osmerus mordax	23.50	25.00	0.022		N
215	Osmerus mordax	24.00	25.00	0.022		N
215	Osmerus mordax	20.00	20.00	0.012		N
215	Osmerus mordax	25.00	26.50	0.025		N
215	Osmerus mordax	24.00	24.50	0.023		N
215	Osmerus mordax	22.50	23.00	0.020		N
215	Osmerus mordax	16.00	16.00	0.006		N
215	Osmerus mordax	20.50	21.50	0.018		N
215	Osmerus mordax	20.50	21.00	0.012		N
215	Osmerus mordax	19.00	20.00	0.009		N
215	Osmerus mordax	20.00	21.00	0.012		N
215	Osmerus mordax	17.00	17.00	0.008		N
215	Osmerus mordax	18.50	18.50	0.009		N
215	Osmerus mordax	20.00	20.00	0.012		N
215	Osmerus mordax	21.50	22.50	0.021		N
215	Osmerus mordax	21.00	22.00	0.013		N
215	Myoxocephalus quadricornis	14.00	14.50	0.009		N
215	Myoxocephalus quadricornis	14.50	15.00	0.014		N
216	Myoxocephalus quadricornis	13.00	13.50	0.007		N
216	Myoxocephalus quadricornis	14.00	14.00	0.009		N
217	Myoxocephalus quadricornis	14.00	14.00	0.010		N
217	Myoxocephalus quadricornis	17.00	17.50	0.019		N
218	Osmerus mordax	21.00	21.00	0.011		N
218	Osmerus mordax	19.50	20.00	0.011		N

a N - not sampled; W - whole digestive tract; S - stomach only.

Table 35. Lengths, weight and stomach fullness data for larval and post larval fish from the neuston and 500  $\mu$ m bongo samples, 1985 (CONTINUED).

Sample Number Plan- kton	Species Name	Length (mm)		Weight (g)	Stomach <sup>a</sup>	
		Standard	Total		Sampled	Fullness
218	Osmerus mordax	21.50	22.00	0.011		N
218	Osmerus mordax	21.50	22.00	0.017		N
218	Osmerus mordax	22.00	23.00	0.020		N
218	Osmerus mordax	19.00	19.00	0.011		N
218	Osmerus mordax	23.00	24.00	0.018		N
218	Osmerus mordax	21.00	22.00	0.016		N
218	Osmerus mordax	20.50	21.00	0.015		N
218	Osmerus mordax	21.00	22.00	0.020		N
218	Osmerus mordax	20.00	20.50	0.012		N
218	Osmerus mordax	20.50	21.00	0.013		N
220	Osmerus mordax	23.00	25.00	0.023		N
220	Osmerus mordax	21.50	22.50	0.017		N
220	Osmerus mordax	21.50	22.50	0.016		N
220	Osmerus mordax	21.00	22.50	0.016		N
220	Osmerus mordax	16.00	16.00	0.007		N
220	Osmerus mordax	19.50	20.00	0.009		N
220	Osmerus mordax	16.00	16.00	0.006		N
220	Osmerus mordax	22.50	25.00	0.026		N
220	Osmerus mordax	23.00	23.50	0.022		N
223	Clupea harengus pallasii	24.00	26.00	0.038		N
223	Clupea harengus pallasii	20.50	21.50	0.018		N
223	Clupea harengus pallasii	19.50	20.00	0.011		N
223	Clupea harengus pallasii	20.00	21.00	0.013		N
223	Clupea harengus pallasii	17.50	18.00	0.008		N
223	Clupea harengus pallasii	17.50	18.00	0.008		N
223	Clupea harengus pallasii	19.50	20.00	0.010		N
223	Clupea harengus pallasii	18.00	18.50	0.012		N
223	Clupea harengus pallasii	16.00	16.00	0.007		N
223	Clupea harengus pallasii	19.50	20.00	0.014		N
223	Clupea harengus pallasii	19.00	20.00	0.012		N
223	Clupea harengus pallasii	17.00	17.00	0.010		N
223	Clupea harengus pallasii	18.50	19.00	0.009		N
223	Clupea harengus pallasii	16.50	17.00	0.006		N
223	Clupea harengus pallasii	17.50	18.00	0.009		N
223	Osmerus mordax	25.50	26.00	0.016		N
223	Osmerus mordax	19.00	19.50	0.010		N
223	Osmerus mordax	22.00	23.00	0.018		N
223	Osmerus mordax	21.50	22.50	0.014		N
223	Osmerus mordax	24.00	25.00	0.026		N
223	Osmerus mordax	23.00	24.00	0.030		N
223	Osmerus mordax	20.50	21.00	0.014		N
223	Osmerus mordax	21.50	22.50	0.019		N
223	Osmerus mordax	20.00	20.00	0.009		N
223	Osmerus mordax	21.00	21.50	0.016		N
223	Osmerus mordax	20.50	20.50	0.011		N
223	Osmerus mordax	20.00	20.00	0.011		N
223	Osmerus mordax	21.00	21.50	0.017		N
223	Osmerus mordax	20.50	20.50	0.012		N
223	Osmerus mordax	22.00	22.00	0.018		N
223	Osmerus mordax	19.50	20.00	0.010		N
223	Osmerus mordax	20.00	20.50	0.013		N
223	Osmerus mordax	19.00	19.00	0.011		N
223	Osmerus mordax	18.00	18.00	0.012		N
223	Osmerus mordax	26.50	29.00	0.045		N
223	Osmerus mordax	22.00	23.00	0.022		N
223	Osmerus mordax	21.00	21.50	0.019		N
223	Osmerus mordax	20.00	20.00	0.012		N

a N - not sampled; W - whole digestive tract; S - stomach only.

Table 35. Lengths, weight and stomach fullness data for larval and post larval fish from the neuston and 500  $\mu$ m bongo samples, 1985 (CONTINUED).

Sample Number Plan- kton	Species Name	Length (mm)		Weight (g)	Stomach <sup>a</sup>	
		Standard	Total		Sampled	Fullness
223	Osmerus mordax	24.00	24.50	0.024		N
223	Osmerus mordax	19.50	20.00	0.012		N
223	Osmerus mordax	23.50	24.00	0.026		N
223	Osmerus mordax	20.50	21.50	0.014		N
223	Osmerus mordax	22.50	23.50	0.018		N
223	Osmerus mordax	23.50	24.00	0.021		N
223	Osmerus mordax	21.00	21.50	0.016		N
223	Osmerus mordax	21.50	22.00	0.011		N
223	Osmerus mordax	21.00	22.00	0.016		N
223	Osmerus mordax	19.50	20.00	0.016		N
223	Osmerus mordax	21.00	21.00	0.014		N
223	Osmerus mordax	21.00	22.00	0.013		N
223	Osmerus mordax	18.50	19.50	0.009		N
223	Osmerus mordax	21.00	21.00	0.012		N
223	Osmerus mordax	20.00	21.00	0.014		N
223	Osmerus mordax	22.50	23.50	0.017		N
223	Osmerus mordax	23.50	25.00	0.018		N
223	Osmerus mordax	22.00	23.00	0.018		N
223	Osmerus mordax	22.00	23.00	0.018		N
223	Osmerus mordax	22.50	24.00	0.020		N
223	Osmerus mordax	23.00	23.50	0.020		N
223	Osmerus mordax	20.00	20.50	0.014		N
223	Osmerus mordax	22.00	22.50	0.015		N
223	Osmerus mordax	20.00	20.00	0.015		N
223	Osmerus mordax	22.00	23.00	0.019		N
223	Osmerus mordax	20.50	21.50	0.014		N
223	Osmerus mordax	19.00	20.00	0.014		N
223	Osmerus mordax	21.00	22.00	0.014		N
223	Osmerus mordax	18.00	18.00	0.009		N
223	Osmerus mordax	25.00	28.00	0.038		N
223	Osmerus mordax	21.50	22.00	0.015		N
223	Osmerus mordax	20.00	21.00	0.012		N
223	Osmerus mordax	22.50	23.50	0.017		N
223	Osmerus mordax	23.50	25.00	0.023		N
223	Osmerus mordax	23.00	24.00	0.022		N
223	Osmerus mordax	20.00	21.00	0.011		N
223	Osmerus mordax	20.00	21.00	0.010		N
223	Osmerus mordax	22.00	23.00	0.016		N
223	Osmerus mordax	21.00	22.20	0.017		N
223	Osmerus mordax	19.00	19.00	0.011		N
223	Osmerus mordax	19.50	20.00	0.011		N
223	Osmerus mordax	21.00	22.00	0.015		N
223	Osmerus mordax	21.00	22.50	0.016		N
223	Osmerus mordax	23.00	24.00	0.019		N
223	Osmerus mordax	18.00	18.00	0.010		N
223	Osmerus mordax	21.50	22.00	0.014		N
223	Osmerus mordax	19.00	20.00	0.012		N
223	Osmerus mordax	20.00	20.50	0.014		N
223	Osmerus mordax	18.50	19.00	0.008		N
223	Osmerus mordax	18.50	18.50	0.011		N
223	Osmerus mordax	19.00	19.00	0.013		N
223	Osmerus mordax	19.50	20.00	0.017		N
223	Osmerus mordax	21.50	23.50	0.026		N
223	Osmerus mordax	21.00	22.00	0.016		N
223	Osmerus mordax	20.00	20.50	0.012		N
223	Osmerus mordax	19.00	19.50	0.009		N
223	Osmerus mordax	25.50	28.00	0.045		N
223	Osmerus mordax	23.50	25.00	0.024		N
223	Osmerus mordax	24.00	26.00	0.026		N

a N - not sampled; W - whole digestive tract; S - stomach only.

Table 35. Lengths, weight and stomach fullness data for larval and post larval fish from the neuston and 500 µm bongo samples, 1985 (CONTINUED).

Sample Number Plan- Fish kton	Species Name	Length (mm)		Weight (g)	Stomach <sup>a</sup>	
		Standard	Total		Sampled	Fullness
223	Osmerus mordax	20.00	20.00	0.011		N
223	Osmerus mordax	22.50	23.00	0.017		N
223	Osmerus mordax	18.50	18.50	0.009		N
223	Osmerus mordax	22.00	24.00	0.024		N
223	Osmerus mordax	21.00	22.00	0.014		N
223	Osmerus mordax	24.00	26.00	0.031		N
223	Osmerus mordax	18.50	19.00	0.012		N
223	Osmerus mordax	22.00	23.00	0.016		N
223	Osmerus mordax	22.00	24.00	0.023		N
223	Osmerus mordax	18.00	18.00	0.006		N
223	Osmerus mordax	15.00	15.00	0.006		N
223	Osmerus mordax	18.00	18.50	0.009		N
223	Osmerus mordax	21.00	21.00	0.015		N
223	Osmerus mordax	19.00	19.00	0.011		N
223	Osmerus mordax	20.50	20.50	0.014		N
223	Osmerus mordax	23.00	24.00	0.019		N
223	Osmerus mordax	22.00	24.00	0.022		N
223	Osmerus mordax	23.50	26.00	0.032		N
223	Osmerus mordax	23.00	24.50	0.019		N
223	Osmerus mordax	21.00	23.00	0.018		N
223	Osmerus mordax	24.50	26.00	0.026		N
223	Osmerus mordax	19.00	20.00	0.010		N
223	Osmerus mordax	23.00	24.00	0.022		N
223	Osmerus mordax	19.00	20.00	0.010		N
223	Osmerus mordax	21.00	22.00	0.017		N
223	Osmerus mordax	23.00	24.00	0.025		N
223	Osmerus mordax	19.50	19.50	0.011		N
223	Osmerus mordax	21.50	22.50	0.016		N
223	Osmerus mordax	20.00	21.00	0.012		N
223	Osmerus mordax	21.00	21.50	0.015		N
223	Osmerus mordax	20.00	21.50	0.012		N
223	Osmerus mordax	20.00	21.00	0.012		N
223	Osmerus mordax	20.50	21.00	0.013		N
223	Osmerus mordax	19.50	19.50	0.013		N
223	Osmerus mordax	16.00	16.00	0.008		N
223	Osmerus mordax	19.00	19.00	0.014		N
223	Osmerus mordax	21.00	22.00	0.017		N
223	Osmerus mordax	17.50	17.50	0.011		N
223	Osmerus mordax	21.50	23.00	0.017		N
223	Osmerus mordax	19.00	21.00	0.014		N
223	Osmerus mordax	19.50	19.50	0.012		N
223	Osmerus mordax	21.50	22.50	0.013		N
223	Osmerus mordax	20.00	20.00	0.010		N
223	Osmerus mordax	21.00	21.50	0.013		N
223	Osmerus mordax	22.50	24.00	0.020		N
223	Osmerus mordax	20.00	20.50	0.013		N
223	Osmerus mordax	19.00	19.00	0.008		N
223	Osmerus mordax	16.50	16.50	0.006		N
223	Osmerus mordax	22.00	23.00	0.023		N
223	Osmerus mordax	15.00	15.50	0.013		N
223	Osmerus mordax	19.50	20.50	0.013		N
223	Osmerus mordax	19.00	19.00	0.011		N
223	Osmerus mordax	24.00	25.50	0.025		N
223	Osmerus mordax	19.50	20.50	0.014		N
223	Osmerus mordax	22.00	23.00	0.021		N
223	Osmerus mordax	21.00	21.00	0.013		N
223	Osmerus mordax	22.00	23.00	0.022		N
223	Osmerus mordax	20.00	21.50	0.017		N
223	Osmerus mordax	22.00	23.50	0.020		N

a N - not sampled; W - whole digestive tract; S - stomach only.

Table 35. Lengths, weight and stomach fullness data for larval and post larval fish from the neuston and 500 µm bongo samples, 1985 (CONTINUED).

Sample Number Plan- kton	Species Name	Length (mm)		Weight (g)	Stomach <sup>a</sup>	
		Standard	Total		Sampled	Fullness
223	Osmerus mordax	21.50	23.00	0.023		N
223	Osmerus mordax	20.50	20.50	0.014		N
223	Osmerus mordax	19.50	19.50	0.013		N
223	Osmerus mordax	19.00	19.00	0.012		N
223	Osmerus mordax	20.00	20.00	0.009		N
223	Osmerus mordax	25.50	28.00	0.036		N
223	Osmerus mordax	19.00	19.00	0.008		N
223	Osmerus mordax	20.00	20.50	0.014		N
223	Osmerus mordax	20.50	21.50	0.011		N
223	Osmerus mordax	19.50	20.00	0.011		N
223	Osmerus mordax	20.00	21.00	0.012		N
223	Osmerus mordax	20.00	21.00	0.016		N
223	Osmerus mordax	20.50	21.50	0.017		N
223	Osmerus mordax	22.50	23.50	0.021		N
223	Osmerus mordax	21.00	22.50	0.016		N
223	Osmerus mordax	20.50	20.50	0.010		N
223	Osmerus mordax	18.50	19.00	0.010		N
223	Osmerus mordax	21.00	23.00	0.021		N
223	Osmerus mordax	22.00	23.00	0.020		N
223	Osmerus mordax	22.50	25.00	0.027		N
223	Osmerus mordax	20.50	21.50	0.015		N
223	Osmerus mordax	19.50	20.00	0.011		N
223	Osmerus mordax	21.50	22.00	0.017		N
223	Osmerus mordax	21.50	22.00	0.017		N
223	Osmerus mordax	24.00	25.00	0.027		N
223	Osmerus mordax	21.50	22.00	0.019		N
223	Osmerus mordax	20.00	20.00	0.011		N
223	Osmerus mordax	20.50	21.50	0.017		N
223	Osmerus mordax	18.50	18.50	0.007		N
223	Osmerus mordax	18.50	20.00	0.012		N
223	Osmerus mordax	22.00	23.00	0.021		N
223	Osmerus mordax	21.50	22.50	0.018		N
223	Osmerus mordax	23.00	23.00	0.022		N
223	Osmerus mordax	21.00	21.00	0.010		N
223	Osmerus mordax	22.50	23.50	0.024		N
223	Osmerus mordax	23.00	24.00	0.022		N
223	Osmerus mordax	17.50	17.50	0.008		N
223	Osmerus mordax	18.00	18.00	0.008		N
223	Osmerus mordax	21.50	23.00	0.017		N
223	Osmerus mordax	19.00	19.00	0.010		N
223	Osmerus mordax	20.00	21.00	0.011		N
223	Osmerus mordax	21.00	22.50	0.020		N
223	Osmerus mordax	18.00	19.00	0.012		N
223	Osmerus mordax	18.50	19.00	0.012		N
223	Osmerus mordax	17.50	18.00	0.008		N
223	Osmerus mordax	18.00	18.50	0.010		N
223	Osmerus mordax	20.50	21.00	0.014		N
223	Osmerus mordax	18.00	18.00	0.011		N
223	Myoxocephalus quadricornis	14.00	15.00	0.013		N
226	Clupea harengus pallasii	17.00	17.50	0.010		N
226	Clupea harengus pallasii	20.00	21.00	0.012		N
226	Clupea harengus pallasii	17.50	18.00	0.007		N
226	Clupea harengus pallasii	19.00	19.50	0.005		N
226	Clupea harengus pallasii	18.50	19.00	0.007		N
226	Osmerus mordax	20.00	20.00	0.010		N
226	Osmerus mordax	22.00	23.00	0.022		N
226	Osmerus mordax	23.50	25.50	0.280		N
226	Osmerus mordax	18.50	18.50	0.009		N

a N - not sampled; W - whole digestive tract; S - stomach only.

Table 35. Lengths, weight and stomach fullness data for larval and post larval fish from the neuston and 500  $\mu$ m bongo samples, 1985 (CONTINUED).

Sample Number Plan- kton	Species Name	Length (mm)		Weight (g)	Stomach <sup>a</sup>	
		Standard	Total		Sampled	Fullness
226	Osmerus mordax	18.50	18.50	0.009		N
226	Osmerus mordax	24.00	25.50	0.023		N
226	Osmerus mordax	20.00	20.00	0.010		N
226	Osmerus mordax	21.50	22.00	0.016		N
226	Osmerus mordax	20.50	21.00	0.013		N
226	Osmerus mordax	21.00	21.50	0.015		N
226	Osmerus mordax	20.00	20.50	0.013		N
226	Osmerus mordax	21.00	22.00	0.017		N
226	Osmerus mordax	20.50	21.00	0.012		N
226	Osmerus mordax	15.50	15.50	0.013		N
226	Osmerus mordax	20.00	20.00	0.012		N
226	Osmerus mordax	19.00	19.00	0.009		N
226	Osmerus mordax	19.00	19.00	0.009		N
226	Osmerus mordax	20.50	21.00	0.013		N
226	Osmerus mordax	20.50	22.00	0.018		N
226	Osmerus mordax	21.00	22.00	0.015		N
226	Osmerus mordax	18.50	19.00	0.008		N
226	Osmerus mordax	19.50	19.50	0.009		N
226	Osmerus mordax	19.00	19.50	0.012		N
226	Osmerus mordax	17.50	17.50	0.007		N
226	Osmerus mordax	22.00	23.00	0.016		N
226	Osmerus mordax	21.00	21.50	0.013		N
226	Osmerus mordax	19.00	19.00	0.009		N
226	Osmerus mordax	16.00	16.00	0.006		N
226	Osmerus mordax	18.50	18.50	0.009		N
226	Osmerus mordax	18.00	18.00	0.009		N
226	Osmerus mordax	19.00	19.50	0.009		N
226	Osmerus mordax	18.50	19.00	0.008		N
226	Osmerus mordax	18.00	18.00	0.010		N
226	Osmerus mordax	17.50	17.50	0.009		N
326	Clupea harengus pallasii	24.50	31.00	0.084		N
326	Osmerus mordax	27.00	28.00	0.035		N
326	Osmerus mordax	27.00	30.00	0.046		N
326	Osmerus mordax	25.00	27.00	0.040		N
326	Osmerus mordax	25.50	28.00	0.036		N
326	Osmerus mordax	26.50	28.00	0.041		N
326	Osmerus mordax	26.00	28.00	0.041		N
326	Osmerus mordax	22.50	23.50	0.019		N
326	Osmerus mordax	25.00	26.00	0.034		N
326	Osmerus mordax	27.00	28.00	0.038		N

<sup>a</sup> N - not sampled; W - whole digestive tract; S - stomach only.

Table 36. Lengths, weight and stomach fullness data for larval and post larval fish from the neuston and 500  $\mu$ m bongo samples, 1986.

Sample Number Plan- Fish kton	Species Name	Length (mm)		Weight (g)	Stomach <sup>a</sup>	
		Standard	Total		Sampled	Fullness
86	<i>Osmerus mordax</i>	22.00	24.00	0.021	N	
86	<i>Osmerus mordax</i>	22.00	22.50	0.017	N	
86	<i>Osmerus mordax</i>	18.50	19.50	0.007	N	
87	<i>Osmerus mordax</i>	21.00	22.00	0.014	N	
87	<i>Osmerus mordax</i>	16.00	17.00	0.004	N	
87	<i>Myoxocephalus quadricornis</i>	14.00	14.50	0.014	N	
90	<i>Clupea harengus pallasi</i>	11.00	11.00	0.006	N	
90	<i>Osmerus mordax</i>	18.00	18.50	0.008	N	
90	<i>Osmerus mordax</i>	18.00	19.00	0.012	N	
91	<i>Osmerus mordax</i>	4.00	4.00	<0.001	N	
91	<i>Osmerus mordax</i>	9.00	9.00	0.001	N	
91	<i>Osmerus mordax</i>	23.00	25.00	0.021	N	
91	<i>Osmerus mordax</i>	24.00	27.50	0.037	N	
92	<i>Clupea harengus pallasi</i>	12.50	12.50	0.003	N	
92	<i>Osmerus mordax</i>	18.00	20.00	0.011	N	
92	<i>Osmerus mordax</i>	19.00	20.50	0.012	N	
92	1237 <i>Myoxocephalus quadricornis</i>	13.20	15.50		W	1
92	Unidentified fish larvae	3.50	3.50	<0.001	N	
92	Unidentified fish larvae	3.50	3.50	<0.001	N	
92	Unidentified fish larvae	3.00	3.00	<0.001	N	
92	Unidentified fish larvae	4.00	4.00	<0.001	N	
93	<i>Osmerus mordax</i>	19.00	20.00	0.010	N	
93	<i>Osmerus mordax</i>	19.50	21.00	0.013	N	
93	<i>Osmerus mordax</i>	21.50	23.50	0.018	N	
93	<i>Osmerus mordax</i>	19.50	21.50	0.013	N	
93	<i>Platichthys stellatus</i>	2.50	2.50	<0.001	N	
93	<i>Platichthys stellatus</i>	2.00	2.00	<0.001	N	
94	<i>Osmerus mordax</i>	27.50	30.00	0.038	N	
94	<i>Osmerus mordax</i>	18.50	20.00	0.012	N	
94	<i>Osmerus mordax</i>	22.50	24.50	0.020	N	
94	<i>Osmerus mordax</i>	21.50	23.50	0.016	N	
94	<i>Osmerus mordax</i>	25.50	28.50	0.034	N	
94	<i>Osmerus mordax</i>	20.50	22.00	0.013	N	
94	<i>Osmerus mordax</i>	22.50	24.00	0.027	N	
94	<i>Coregonus autumnalis</i>	47.00	49.00	0.840	N	
94	1238 <i>Myoxocephalus quadricornis</i>	12.80	15.30		W	5
94	Unidentified fish larvae	17.50	18.00	0.012	N	
94	Unidentified fish larvae	18.00	19.50	0.011	N	
94	Unidentified fish larvae	15.00	15.50	0.013	N	
95	<i>Osmerus mordax</i>	23.50	26.50	0.027	N	
95	<i>Osmerus mordax</i>	23.00	25.00	0.021	N	
95	<i>Osmerus mordax</i>	24.00	25.50	0.030	N	
95	<i>Osmerus mordax</i>	20.50	21.50	0.017	N	
95	<i>Osmerus mordax</i>	26.00	27.00	0.028	N	
95	<i>Osmerus mordax</i>	21.50	23.00	0.017	N	
95	<i>Osmerus mordax</i>	22.00	23.50	0.018	N	
95	<i>Osmerus mordax</i>	18.00	19.00	0.010	N	
95	1239 <i>Myoxocephalus quadricornis</i>	11.80	13.50		W	5
95	1240 <i>Myoxocephalus quadricornis</i>	13.00	15.40		W	6
95	Unidentified fish larvae	8.50	8.50	<0.001	N	
281	<i>Osmerus mordax</i>	30.00	34.50	0.079	N	

a N - not sampled; W - whole digestive tract; S - stomach only.

Table 36. Lengths, weight and stomach fullness data for larval and post larval fish from the neuston and 500  $\mu$ m bongo samples, 1986 (CONTINUED).

Sample Number Plan- kton	Species Name	Length (mm)		Weight (g)	Stomach <sup>a</sup>	
		Standard	Total		Sampled	Fullness
282	Clupea harengus pallasii	23.00	25.00	0.024		N
282	Clupea harengus pallasii	22.50	24.50	0.022		N
288	Osmerus mordax	35.00	39.00	0.115		N
289	Osmerus mordax	23.00	25.50	0.028		N

a N - not sampled; W - whole digestive tract; S - stomach only.



Table 37. Lengths, weight and stomach fullness data for larval and post larval fish from the neuston and 500 µm bongo samples, 1987.

Sample Number Plan- kton	Fish	Species Name	Length (mm)		Weight (g)	Stomach <sup>a</sup>	
			Standard	Total		Sampled	Fullness
13	1841	<i>Clupea harengus pallasii</i>	8.20			W	0
13		<i>Eleginus gracilis</i>	7.50	7.50	<0.001	N	
13		<i>Eleginus gracilis</i>	6.00	6.00	<0.001	N	
13		<i>Eleginus gracilis</i>	7.50	7.50	<0.001	N	
13		<i>Eleginus gracilis</i>	7.00	7.00	<0.001	N	
13		<i>Eleginus gracilis</i>	7.00	7.00	<0.001	N	
13		<i>Eleginus gracilis</i>	7.00	7.00	<0.001	N	
13		Family Stichaeidae	21.50	22.00	0.011	N	
13		Family Stichaeidae	16.00	16.00	0.006	N	
14	1965	<i>Eleginus gracilis</i>	5.60			W	5
14	1966	<i>Eleginus gracilis</i>	5.50			W	5
14	1967	<i>Eleginus gracilis</i>	6.60			W	3
14	1968	<i>Eleginus gracilis</i>	6.00			W	3
14	1969	<i>Eleginus gracilis</i>	5.30			W	1
14	1970	<i>Eleginus gracilis</i>	6.60			W	1
14	1971	<i>Eleginus gracilis</i>	6.40			W	1
14		Family Stichaeidae	16.50	17.00	0.005	N	
14		Family Stichaeidae	15.50	16.00	0.004	N	
14		Family Stichaeidae	23.00	25.00	0.022	N	
16		<i>Eleginus gracilis</i>	5.00	6.00	0.001	N	
16		Family Stichaeidae	24.50	26.50	0.020	N	
17	1818	<i>Osmerus mordax</i>	16.70			W	0
17	1819	<i>Osmerus mordax</i>	17.70			W	3
18	1794	<i>Osmerus mordax</i>	13.80			W	3
18	1795	<i>Osmerus mordax</i>	17.30			W	3
18	1796	<i>Osmerus mordax</i>	17.50			W	5
21		<i>Eleginus gracilis</i>	7.50	7.50	<0.001	N	
21		<i>Eleginus gracilis</i>	7.00	7.00	<0.001	N	
21		<i>Eleginus gracilis</i>	7.00	7.00	<0.001	N	
21		<i>Eleginus gracilis</i>	6.00	6.00	<0.001	N	
21		<i>Eleginus gracilis</i>	6.00	6.00	<0.001	N	
21		<i>Eleginus gracilis</i>	6.00	6.00	<0.001	N	
21		<i>Eleginus gracilis</i>	7.00	7.00	<0.001	N	
21		<i>Eleginus gracilis</i>	7.50	7.50	<0.001	N	
21		<i>Eleginus gracilis</i>	6.50	6.50	<0.001	N	
21		<i>Eleginus gracilis</i>	7.00	7.00	<0.001	N	
21		<i>Eleginus gracilis</i>	7.50	7.50	<0.001	N	
21		<i>Eleginus gracilis</i>	7.00	7.00	<0.001	N	
21		<i>Eleginus gracilis</i>	7.00	7.00	<0.001	N	
21		<i>Eleginus gracilis</i>	7.00	7.00	<0.001	N	
21		<i>Eleginus gracilis</i>	6.00	6.00	<0.001	N	
21		<i>Eleginus gracilis</i>	6.50	6.50	<0.001	N	
21		<i>Eleginus gracilis</i>	6.00	6.00	<0.001	N	
21		<i>Eleginus gracilis</i>	6.00	6.00	<0.001	N	
21		<i>Eleginus gracilis</i>	7.50	7.50	<0.001	N	
21		<i>Eleginus gracilis</i>	6.00	6.00	<0.001	N	
21		<i>Eleginus gracilis</i>	6.00	6.00	<0.001	N	
21		<i>Eleginus gracilis</i>	6.00	6.00	<0.001	N	
21		<i>Eleginus gracilis</i>	6.50	6.50	<0.001	N	
21		<i>Eleginus gracilis</i>	7.50	7.50	<0.001	N	
21		<i>Eleginus gracilis</i>	5.50	5.50	<0.001	N	
21		<i>Eleginus gracilis</i>	7.00	7.00	<0.001	N	
21		<i>Eleginus gracilis</i>	7.00	7.00	<0.001	N	
21		<i>Eleginus gracilis</i>	7.00	7.00	<0.001	N	
21		<i>Eleginus gracilis</i>	7.00	7.00	<0.001	N	

a N - not sampled; W - whole digestive tract; S - stomach only.

Table 37. Lengths, weight and stomach fullness data for larval and post larval fish from the neuston and 500 µm bongo samples, 1987 (CONTINUED).

Sample Number Plan- kton	Fish	Species Name	Length (mm)		Weight (g)	Stomach <sup>a</sup>	
			Standard	Total		Sampled	Fullness
21		Eleginus gracilis	6.00	6.00	<0.001	N	
21		Family Stichaeidae	5.50	5.50	<0.001	N	
21		Family Stichaeidae	26.00	27.50	0.024	N	
21		Family Stichaeidae	22.00	23.00	0.014	N	
22		Eleginus gracilis	3.00	3.50	<0.001	N	
22		Eleginus gracilis	7.00	7.50	<0.001	N	
22		Eleginus gracilis	7.00	7.00	<0.001	N	
22		Eleginus gracilis	7.00	7.00	<0.001	N	
22		Eleginus gracilis	7.00	7.00	<0.001	N	
22		Eleginus gracilis	7.00	7.00	<0.001	N	
22		Eleginus gracilis	0.00	0.00	<0.001	N	
22		Eleginus gracilis	6.50	6.50	<0.001	N	
22		Eleginus gracilis	6.00	6.00	<0.001	N	
22		Eleginus gracilis	6.50	6.50	<0.001	N	
22		Eleginus gracilis	6.50	6.50	<0.001	N	
22		Eleginus gracilis	7.00	7.00	<0.001	N	
22		Eleginus gracilis	7.00	7.00	<0.001	N	
22		Eleginus gracilis	7.00	7.00	<0.001	N	
22		Eleginus gracilis	7.00	7.00	<0.001	N	
22		Eleginus gracilis	7.00	7.00	<0.001	N	
22	1939	Eleginus gracilis	5.50			W	5
22	1940	Eleginus gracilis	5.70			W	5
22	1945	Eleginus gracilis	6.30			W	5
22	1946	Eleginus gracilis	5.30			W	5
22	1950	Eleginus gracilis	6.20			W	5
22	1951	Eleginus gracilis	6.00			W	5
22	1954	Eleginus gracilis	6.10			W	5
22	1955	Eleginus gracilis	6.50			W	5
22	1960	Eleginus gracilis	6.30			W	5
22	1961	Eleginus gracilis	6.10			W	5
22		Family Stichaeidae	16.50	17.00	0.005	N	
22		Family Stichaeidae	19.00	20.00	0.009	N	
22		Family Stichaeidae	23.00	24.00	0.017	N	
22		Family Stichaeidae	15.50	16.00	0.004	N	
23		Eleginus gracilis	6.00	6.00	<0.001	N	
25		Clupea harengus pallasii	19.50	20.50	0.017	N	
25		Clupea harengus pallasii	22.00	23.50	0.024	N	
25		Clupea harengus pallasii	20.00	21.00	0.016	N	
25		Clupea harengus pallasii	21.00	22.00	0.021	N	
25		Clupea harengus pallasii	21.00	23.00	0.020	N	
25		Osmerus mordax	15.00	15.00	0.003	N	
25		Osmerus mordax	18.50	19.00	0.011	N	
25		Osmerus mordax	17.00	17.50	0.008	N	
26	1864	Clupea harengus pallasii	14.00			W	3
26	1865	Clupea harengus pallasii	14.40			W	0
26	1866	Clupea harengus pallasii	17.80			W	0
26	1867	Clupea harengus pallasii	19.00			W	1
26	1868	Clupea harengus pallasii	19.00			W	0
26	1869	Clupea harengus pallasii	20.20			W	0
26	1820	Osmerus mordax	15.70			W	3
26	1821	Osmerus mordax	14.50			W	0
26	1822	Osmerus mordax	17.00			W	5
26	1823	Osmerus mordax	17.40			W	3
26	1824	Osmerus mordax	17.90			W	5
26	1825	Osmerus mordax	18.00			W	0

a N - not sampled; W - whole digestive tract; S - stomach only.

Table 37. Lengths, weight and stomach fullness data for larval and post larval fish from the neuston and 500  $\mu$ m bongo samples, 1987 (CONTINUED).

Sample Number Plan- kton	Fish	Species Name	Length (mm)		Weight (g)	Stomach <sup>a</sup>	
			Standard	Total		Sampled	Fullness
26		<i>Coregonus autumnalis</i>	41.00	44.00	0.625	N	
338		<i>Clupea harengus pallasii</i>	25.00	29.00	0.058	N	
339	1856	<i>Clupea harengus pallasii</i>	22.00			W	0
339	1857	<i>Clupea harengus pallasii</i>	22.50			W	0
339	1858	<i>Clupea harengus pallasii</i>	24.30			W	5
339	1859	<i>Clupea harengus pallasii</i>	28.10			W	1
339	1860	<i>Clupea harengus pallasii</i>	29.00			W	0
339	1861	<i>Clupea harengus pallasii</i>	36.30			S	0
339	1862	<i>Clupea harengus pallasii</i>	40.50			S	2
339	1816	<i>Osmerus mordax</i>	36.80			W	0
340		<i>Clupea harengus pallasii</i>	25.00	28.00	0.056	N	
340		<i>Clupea harengus pallasii</i>	23.50	27.00	0.054	N	
340		<i>Clupea harengus pallasii</i>	19.50	21.00	0.014	N	
340	1802	<i>Osmerus mordax</i>	36.00			W	1
341		<i>Clupea harengus pallasii</i>	24.00	26.00	0.045	N	
341		<i>Clupea harengus pallasii</i>	23.00	26.50	0.047	N	
341	1832	<i>Osmerus mordax</i>	32.40			W	1
342		<i>Clupea harengus pallasii</i>	22.00	24.50	0.026	N	
342		<i>Clupea harengus pallasii</i>	28.50	32.50	0.103	N	
342		<i>Clupea harengus pallasii</i>	28.00	32.00	0.094	N	
342		<i>Clupea harengus pallasii</i>	25.00	29.00	0.057	N	
342		<i>Clupea harengus pallasii</i>	25.00	28.00	0.048	N	
342		<i>Clupea harengus pallasii</i>	25.00	28.00	0.050	N	
342		<i>Clupea harengus pallasii</i>	23.00	27.50	0.049	N	
342		<i>Clupea harengus pallasii</i>	23.00	26.00	0.035	N	
342		<i>Clupea harengus pallasii</i>	24.00	28.00	0.049	N	
342		<i>Clupea harengus pallasii</i>	26.50	30.00	0.063	N	
342		<i>Clupea harengus pallasii</i>	25.50	28.00	0.075	N	
342		<i>Clupea harengus pallasii</i>	23.00	26.50	0.039	N	
342		<i>Clupea harengus pallasii</i>	26.00	29.00	0.083	N	
342		<i>Clupea harengus pallasii</i>	24.00	26.50	0.054	N	
342		<i>Clupea harengus pallasii</i>	25.00	30.00	0.069	N	
342		<i>Clupea harengus pallasii</i>	23.50	27.00	0.046	N	
342		<i>Clupea harengus pallasii</i>	22.50	25.50	0.037	N	
342		<i>Clupea harengus pallasii</i>	22.50	24.00	0.029	N	
343		<i>Clupea harengus pallasii</i>	23.00	27.00	0.058	N	
343		<i>Clupea harengus pallasii</i>	23.50	26.00	0.040	N	
343		<i>Clupea harengus pallasii</i>	23.00	26.00	0.041	N	
343		<i>Clupea harengus pallasii</i>	39.00	40.50	0.297	N	
343		<i>Clupea harengus pallasii</i>	26.00	29.00	0.074	N	
343		<i>Clupea harengus pallasii</i>	22.50	25.00	0.044	N	
343		<i>Clupea harengus pallasii</i>	22.00	24.00	0.031	N	
343		<i>Clupea harengus pallasii</i>	25.00	27.00	0.044	N	
343		<i>Clupea harengus pallasii</i>	24.00	26.50	0.047	N	
343		<i>Clupea harengus pallasii</i>	24.00	27.00	0.037	N	
343		<i>Clupea harengus pallasii</i>	24.50	27.00	0.069	N	
343		<i>Clupea harengus pallasii</i>	23.00	24.00	0.043	N	
343		<i>Clupea harengus pallasii</i>	22.00	23.50	0.031	N	
343		<i>Clupea harengus pallasii</i>	24.00	27.00	0.049	N	
343		<i>Clupea harengus pallasii</i>	21.00	23.00	0.021	N	
343		<i>Clupea harengus pallasii</i>	23.50	27.50	0.076	N	
343		<i>Clupea harengus pallasii</i>	24.00	24.50	0.046	N	
343		<i>Clupea harengus pallasii</i>	21.00	21.50	0.023	N	

a N - not sampled; W - whole digestive tract; S - stomach only.

Table 37. Lengths, weight and stomach fullness data for larval and post larval fish from the neuston and 500 µm bongo samples, 1987 (CONTINUED).

Sample Number Plan- kton	Fish	Species Name	Length (mm)		Weight (g)	Stomach <sup>a</sup>	
			Standard	Total		Sampled	Fullness
346		Clupea harengus pallasii	36.50	43.00	0.318	N	
346		Clupea harengus pallasii	52.00	59.00	1.134	N	
347		Clupea harengus pallasii	23.50	27.50	0.045	N	
347		Clupea harengus pallasii	26.50	30.00	0.077	N	
347		Osmerus mordax	28.50	32.00	0.067	N	
347		Osmerus mordax	38.50	43.50	0.269	N	
347		Family Pleuronectidae	6.00	7.50	0.002	N	
348		Clupea harengus pallasii	25.00	28.50	0.046	N	
348		Osmerus mordax	31.00	35.00	0.115	N	
348		Osmerus mordax	43.50	48.00	0.331	N	
348		Osmerus mordax	41.50	47.00	0.315	N	
349		Clupea harengus pallasii	24.00	27.00	0.047	N	
349		Clupea harengus pallasii	33.00	39.00	0.223	N	
349		Osmerus mordax	22.50	25.00	0.030	N	
349	1806	Osmerus mordax	29.00			W	3
349	1808	Osmerus mordax	30.80			W	5
349	1809	Osmerus mordax	32.60			W	5
349	1810	Osmerus mordax	33.00			W	0
350		Clupea harengus pallasii	38.50	44.00	0.458	N	
350		Clupea harengus pallasii	28.00	32.00	0.119	N	
350		Clupea harengus pallasii	42.00	51.00	0.832	N	
350	1804	Osmerus mordax	34.00			W	1
351		Clupea harengus pallasii	19.50	21.00	0.018	N	
351	1844	Clupea harengus pallasii	22.70			W	5
351	1845	Clupea harengus pallasii	22.80			W	3
351	1846	Clupea harengus pallasii	27.50			S	6
351	1847	Clupea harengus pallasii	30.00			S	6
351	1848	Clupea harengus pallasii	30.50			S	2
351	1849	Clupea harengus pallasii	34.50			S	2
351	1850	Clupea harengus pallasii	36.20			S	6

a N - not sampled; W - whole digestive tract; S - stomach only.

Table 38. Stomach content data for larval and post larval fish sub-sampled from the neuston and 500  $\mu$ m bongo net catches, 1986.

Sample Number		Species Name	Stomach Item <sup>a</sup>		
PTan- kton	Fish		Name	Comment Code	No. Items
92	1237	Myoxocephalus quadricorni	Microsetella norvegica	76	1
92	1237	Myoxocephalus quadricorni	Order Calanoida	5	1
94	1238	Myoxocephalus quadricorni	Family Hemiuridae	58	1
94	1238	Myoxocephalus quadricorni	Cyclops sp.	76	1
94	1238	Myoxocephalus quadricorni	Cyclops sp.	77	1
94	1238	Myoxocephalus quadricorni	Cyclops sp.	82	4
94	1238	Myoxocephalus quadricorni	Eurytemora raboti	77	1
94	1238	Myoxocephalus quadricorni	Eurytemora americana	76	3
94	1238	Myoxocephalus quadricorni	Eurytemora americana	77	3
94	1238	Myoxocephalus quadricorni	Order Calanoida	5	8
95	1239	Myoxocephalus quadricorni	Eurytemora americana	76	1
95	1239	Myoxocephalus quadricorni	Eurytemora americana	75	1
95	1239	Myoxocephalus quadricorni	Order Calanoida	5	5
95	1240	Myoxocephalus quadricorni	Cyclops sp.	82	2
95	1240	Myoxocephalus quadricorni	Eurytemora herdmani	72	1
95	1240	Myoxocephalus quadricorni	Eurytemora herdmani	73	1
95	1240	Myoxocephalus quadricorni	Eurytemora herdmani	74	7
95	1240	Myoxocephalus quadricorni	Eurytemora herdmani	75	8
95	1240	Myoxocephalus quadricorni	Eurytemora herdmani	76	1
95	1240	Myoxocephalus quadricorni	Eurytemora herdmani	77	2
95	1240	Myoxocephalus quadricorni	Eurytemora herdmani	83	20
95	1240	Myoxocephalus quadricorni	Order Calanoida	5	2

<sup>a</sup> Comment codes given in Table 9.

Table 39. Stomach content data for larval and post larval fish sub-sampled from the neuston and 500  $\mu$ m bongo net catches, 1987.

Sample Number Plan- kton	Fish	Species Name	Stomach Item <sup>a</sup>		
			Name	Comment Code	No. Items
13	1841	<i>Clupea harengus pallasii</i>	Stomach empty	50	
14	1965	<i>Eleginus gracilis</i>	Class Polychaeta	38	1
14	1965	<i>Eleginus gracilis</i>	Order Calanoida	79	3
14	1966	<i>Eleginus gracilis</i>	Class Polychaeta	38	5
14	1967	<i>Eleginus gracilis</i>	Order Calanoida	79	3
14	1968	<i>Eleginus gracilis</i>	Class Polychaeta	38	1
14	1968	<i>Eleginus gracilis</i>	Order Calanoida	79	3
14	1969	<i>Eleginus gracilis</i>	Order Calanoida	79	1
14	1970	<i>Eleginus gracilis</i>	Order Calanoida	79	1
14	1971	<i>Eleginus gracilis</i>	Order Calanoida	79	1
17	1818	<i>Osmerus mordax</i>	Stomach empty	50	
17	1819	<i>Osmerus mordax</i>	<i>Acartia clausi</i>	77	1
17	1819	<i>Osmerus mordax</i>	<i>Eurytemora herdmani</i>	77	1
17	1819	<i>Osmerus mordax</i>	<i>Eurytemora herdmani</i>	75	3
17	1819	<i>Osmerus mordax</i>	<i>Eurytemora raboti</i>	76	2
17	1819	<i>Osmerus mordax</i>	<i>Eurytemora raboti</i>	83	18
18	1794	<i>Osmerus mordax</i>	<i>Limnocalanus macrurus</i>	74	1
18	1794	<i>Osmerus mordax</i>	<i>Limnocalanus macrurus</i>	73	2
18	1795	<i>Osmerus mordax</i>	<i>Eurytemora americana</i>	75	1
18	1795	<i>Osmerus mordax</i>	<i>Eurytemora americana</i>	76	1
18	1795	<i>Osmerus mordax</i>	<i>Eurytemora americana</i>	83	16
18	1795	<i>Osmerus mordax</i>	Order Calanoida	5	1
18	1796	<i>Osmerus mordax</i>	<i>Cyclops</i> sp.	81	2
18	1796	<i>Osmerus mordax</i>	<i>Eurytemora americana</i>	72	1
18	1796	<i>Osmerus mordax</i>	<i>Eurytemora americana</i>	76	1
18	1796	<i>Osmerus mordax</i>	Order Calanoida	5	3
22	1939	<i>Eleginus gracilis</i>	Order Calanoida	79	7
22	1940	<i>Eleginus gracilis</i>	Order Calanoida	79	8
22	1940	<i>Eleginus gracilis</i>	Order Calanoida	78	1
22	1945	<i>Eleginus gracilis</i>	Class Polychaeta	38	1
22	1945	<i>Eleginus gracilis</i>	Order Calanoida	79	1
22	1946	<i>Eleginus gracilis</i>	Order Calanoida	78	3
22	1946	<i>Eleginus gracilis</i>	Order Calanoida	79	8
22	1950	<i>Eleginus gracilis</i>	Order Calanoida	79	8
22	1950	<i>Eleginus gracilis</i>	Order Calanoida	78	1
22	1951	<i>Eleginus gracilis</i>	Order Calanoida	79	6
22	1954	<i>Eleginus gracilis</i>	Order Calanoida	79	6
22	1955	<i>Eleginus gracilis</i>	Class Polychaeta	32	1
22	1955	<i>Eleginus gracilis</i>	Order Calanoida	79	8
22	1960	<i>Eleginus gracilis</i>	Class Polychaeta	32	1
22	1960	<i>Eleginus gracilis</i>	Order Calanoida	79	7
22	1961	<i>Eleginus gracilis</i>	Order Calanoida	79	5
26	1820	<i>Osmerus mordax</i>	<i>Eurytemora herdmani</i>	75	1
26	1820	<i>Osmerus mordax</i>	<i>Eurytemora herdmani</i>	76	1
26	1820	<i>Osmerus mordax</i>	<i>Eurytemora herdmani</i>	83	17
26	1821	<i>Osmerus mordax</i>	Stomach empty	50	
26	1822	<i>Osmerus mordax</i>	<i>Acartia clausi</i>	76	1
26	1822	<i>Osmerus mordax</i>	<i>Cyclops</i> sp.	82	1
26	1822	<i>Osmerus mordax</i>	<i>Cyclops</i> sp.	81	1
26	1822	<i>Osmerus mordax</i>	<i>Eurytemora</i> sp.	5	2
26	1822	<i>Osmerus mordax</i>	<i>Eurytemora herdmani</i>	83	7
26	1822	<i>Osmerus mordax</i>	<i>Eurytemora raboti</i>	73	1
26	1823	<i>Osmerus mordax</i>	<i>Eurytemora raboti</i>	75	1
26	1823	<i>Osmerus mordax</i>	<i>Eurytemora raboti</i>	76	1

a Comment codes given in Table 9.

Table 39. Stomach content data for larval and post larval fish sub-sampled from the neuston and 500 µm bongo net catches, 1987 (CONTINUED).

Sample Number Plan- kton	Fish	Species Name	Stomach Item <sup>a</sup>		
			Name	Comment Code	No. Items
26	1824	Osmerus mordax	Cyclops sp.	81	1
26	1824	Osmerus mordax	Cyclops sp.	82	4
26	1824	Osmerus mordax	Eurytemora herdmani	77	1
26	1824	Osmerus mordax	Eurytemora herdmani	72	1
26	1824	Osmerus mordax	Eurytemora raboti	73	2
26	1825	Osmerus mordax	Stomach empty	50	
26	1864	Clupea harengus pallasii	Order Calanoida	5	5
26	1865	Clupea harengus pallasii	Stomach empty	50	
26	1866	Clupea harengus pallasii	Stomach empty	50	
26	1867	Clupea harengus pallasii	Eurytemora herdmani	76	1
26	1867	Clupea harengus pallasii	Eurytemora herdmani	83	28
26	1867	Clupea harengus pallasii	Order Calanoida	5	1
26	1868	Clupea harengus pallasii	Stomach empty	50	
26	1869	Clupea harengus pallasii	Stomach empty	50	
339	1816	Osmerus mordax	Stomach empty	50	
339	1856	Clupea harengus pallasii	Phylum Platyhelminthes	58	1
339	1856	Clupea harengus pallasii	Family Hemiuridae	58	1
339	1857	Clupea harengus pallasii	Phylum Platyhelminthes	58	1
339	1858	Clupea harengus pallasii	Phylum Platyhelminthes	58	1
339	1858	Clupea harengus pallasii	Acartia clausi	75	2
339	1858	Clupea harengus pallasii	Acartia clausi	76	5
339	1858	Clupea harengus pallasii	Acartia clausi	83	2
339	1858	Clupea harengus pallasii	Eurytemora herdmani	77	1
339	1858	Clupea harengus pallasii	Eurytemora raboti	72	1
339	1858	Clupea harengus pallasii	Eurytemora raboti	74	1
339	1858	Clupea harengus pallasii	Eurytemora raboti	75	1
339	1858	Clupea harengus pallasii	Order Calanoida	5	9
339	1859	Clupea harengus pallasii	Phylum Platyhelminthes	58	2
339	1859	Clupea harengus pallasii	Acartia clausi	76	2
339	1860	Clupea harengus pallasii	Family Hemiuridae	58	2
339	1861	Clupea harengus pallasii	Family Hemiuridae	58	3
339	1862	Clupea harengus pallasii	Family Hemiuridae	58	1
339	1862	Clupea harengus pallasii	Eurytemora raboti	76	1
340	1802	Osmerus mordax	Eurytemora herdmani	77	2
340	1802	Osmerus mordax	Eurytemora herdmani	76	3
340	1802	Osmerus mordax	Limnocalanus macrurus	73	1
340	1802	Osmerus mordax	Order Calanoida	5	5
341	1832	Osmerus mordax	Acartia clausi	76	1
349	1806	Osmerus mordax	Acartia clausi	76	2
349	1806	Osmerus mordax	Limnocalanus macrurus	76	1
349	1806	Osmerus mordax	Order Calanoida	5	4
349	1808	Osmerus mordax	Phylum Platyhelminthes	58	1
349	1808	Osmerus mordax	Acartia clausi	77	1
349	1808	Osmerus mordax	Acartia clausi	76	20
349	1808	Osmerus mordax	Acartia clausi	75	1
349	1808	Osmerus mordax	Eurytemora herdmani	76	2
349	1808	Osmerus mordax	Eurytemora herdmani	75	1
349	1808	Osmerus mordax	Limnocalanus macrurus	77	1
349	1808	Osmerus mordax	Limnocalanus macrurus	76	1
349	1808	Osmerus mordax	Order Calanoida	5	5
349	1809	Osmerus mordax	Acartia clausi	76	10
349	1809	Osmerus mordax	Acartia clausi	77	2
349	1809	Osmerus mordax	Eurytemora raboti	77	1
349	1809	Osmerus mordax	Limnocalanus macrurus	77	1
349	1809	Osmerus mordax	Order Calanoida	5	6

<sup>a</sup> Comment codes given in Table 9.

Table 39. Stomach content data for larval and post larval fish sub-sampled from the neuston and 500  $\mu$ m bongo net catches, 1987 (CONTINUED).

Sample Number Plan- kton	Fish	Species Name	Stomach Item <sup>a</sup>		
			Name	Comment Code	No. Items
349	1810	Osmerus mordax	Stomach empty	50	
350	1804	Osmerus mordax	Eurytemora herdmani	76	1
350	1804	Osmerus mordax	Order Calanoida	5	3
351	1844	Clupea harengus pallasii	Acartia clausi	77	1
351	1844	Clupea harengus pallasii	Acartia clausi	76	10
351	1844	Clupea harengus pallasii	Acartia clausi	75	1
351	1844	Clupea harengus pallasii	Eurytemora raboti	75	1
351	1844	Clupea harengus pallasii	Order Calanoida	5	5
351	1845	Clupea harengus pallasii	Acartia clausi	73	2
351	1845	Clupea harengus pallasii	Acartia clausi	74	1
351	1845	Clupea harengus pallasii	Acartia clausi	75	3
351	1845	Clupea harengus pallasii	Acartia clausi	76	3
351	1845	Clupea harengus pallasii	Acartia clausi	77	1
351	1845	Clupea harengus pallasii	Eurytemora raboti	75	1
351	1845	Clupea harengus pallasii	Order Calanoida	5	4
351	1846	Clupea harengus pallasii	Family Hemiuridae	58	1
351	1846	Clupea harengus pallasii	Acartia clausi	76	5
351	1846	Clupea harengus pallasii	Acartia clausi	75	3
351	1846	Clupea harengus pallasii	Acartia clausi	74	1
351	1846	Clupea harengus pallasii	Cyclops sp.	82	1
351	1846	Clupea harengus pallasii	Eurytemora sp.	72	1
351	1847	Clupea harengus pallasii	Acartia clausi	73	2
351	1847	Clupea harengus pallasii	Acartia clausi	74	5
351	1847	Clupea harengus pallasii	Acartia clausi	75	7
351	1847	Clupea harengus pallasii	Acartia clausi	76	17
351	1847	Clupea harengus pallasii	Acartia clausi	83	4
351	1847	Clupea harengus pallasii	Cyclops sp.	82	3
351	1847	Clupea harengus pallasii	Eurytemora herdmani	72	1
351	1847	Clupea harengus pallasii	Eurytemora herdmani	77	2
351	1847	Clupea harengus pallasii	Eurytemora raboti	73	2
351	1847	Clupea harengus pallasii	Eurytemora raboti	75	1
351	1847	Clupea harengus pallasii	Eurytemora raboti	76	1
351	1847	Clupea harengus pallasii	Eurytemora raboti	77	2
351	1847	Clupea harengus pallasii	Limnocalanus macrurus	74	1
351	1847	Clupea harengus pallasii	Limnocalanus macrurus	77	2
351	1847	Clupea harengus pallasii	Microsetella rosea	76	1
351	1847	Clupea harengus pallasii	Order Calanoida	5	18
351	1848	Clupea harengus pallasii	Family Hemiuridae	58	2
351	1848	Clupea harengus pallasii	Acartia clausi	83	4
351	1848	Clupea harengus pallasii	Acartia clausi	76	7
351	1848	Clupea harengus pallasii	Eurytemora raboti	75	1
351	1849	Clupea harengus pallasii	Family Hemiuridae	58	1
351	1849	Clupea harengus pallasii	Acartia clausi	75	1
351	1849	Clupea harengus pallasii	Acartia clausi	76	4
351	1849	Clupea harengus pallasii	Cyclops sp.	82	1
351	1849	Clupea harengus pallasii	Order Calanoida	5	2
351	1850	Clupea harengus pallasii	Family Hemiuridae	58	4
351	1850	Clupea harengus pallasii	Acartia clausi	83	2
351	1850	Clupea harengus pallasii	Acartia clausi	77	2
351	1850	Clupea harengus pallasii	Acartia clausi	76	34
351	1850	Clupea harengus pallasii	Acartia clausi	75	3
351	1850	Clupea harengus pallasii	Acartia clausi	74	2
351	1850	Clupea harengus pallasii	Acartia clausi	73	2
351	1850	Clupea harengus pallasii	Acartia clausi	72	1
351	1850	Clupea harengus pallasii	Cyclops sp.	82	2
351	1850	Clupea harengus pallasii	Eurytemora herdmani	75	1
351	1850	Clupea harengus pallasii	Eurytemora raboti	77	2

a Comment codes given in Table 9.



Table 39. Stomach content data for larval and post larval fish sub-sampled from the neuston and 500 µm bongo net catches, 1987 (CONTINUED).

Sample Number Plan- kton	Fish	Species Name	Stomach Item <sup>a</sup>		
			Name	Comment Code	No. Items
351	1850	<i>Clupea harengus pallasii</i>	<i>Pseudocalanus minutus</i>	76	0
351	1850	<i>Clupea harengus pallasii</i>	<i>Pseudocalanus minutus</i>	83	10
351	1850	<i>Clupea harengus pallasii</i>	Order Calanoida	5	37
351	1850	<i>Clupea harengus pallasii</i>	Order Harpacticoida	82	1

<sup>a</sup> Comment codes given in Table 9.

Table 40. Frequency of occurrence and relative abundance of items in fish stomachs sampled in 1986 and 1987.

Species Name	Stomach Item Item Name	Percent	
		Frequency of Occurrence	Relative Abundance
YEAR - 1986			
<i>Myoxocephalus quadricornis</i>	Family Hemiuridae	1.8	25
	<i>Cyclops</i> sp.	14.5	50
	<i>Eurytemora herdmani</i>	36.4	25
	<i>Eurytemora raboti</i>	1.8	25
	<i>Eurytemora americana</i>	14.5	50
	<i>Microsetella norvegica</i>	1.8	25
	Order Calanoida	29.1	100
YEAR - 1987			
<i>Clupea harengus pallasii</i>	Phylum Platyhelminthes	1.9	25
	Family Hemiuridae	5.7	50
	<i>Acartia clausi</i>	48.5	56
	<i>Cyclops</i> sp.	2.7	25
	<i>Eurytemora</i> sp.	0.4	6
	<i>Eurytemora herdmani</i>	2.3	25
	<i>Eurytemora raboti</i>	5.7	44
	<i>Limnocalanus macrurus</i>	1.1	6
	<i>Microsetella rosea</i>	0.4	6
	Order Calanoida	30.9	50
	Order Harpacticoida	0.4	6
<i>Osmerus mordax</i>	Phylum Platyhelminthes	0.9	7
	<i>Acartia clausi</i>	33.9	43
	<i>Cyclops</i> sp.	7.8	15
	<i>Eurytemora</i> sp.	1.7	7
	<i>Eurytemora herdmani</i>	14.8	43
	<i>Eurytemora raboti</i>	7.0	36
	<i>Eurytemora americana</i>	3.5	14
	<i>Limnocalanus macrurus</i>	7.0	36
	Order Calanoida	23.5	43
<i>Eleginus gracilis</i>	Class Polychaeta	11.0	35
	Order Calanoida	89.0	94

Table A1.1. List of taxonomic groups used in the Tuktoyaktuk Harbour studies, and corresponding species codes.

Code	Taxonomic Group Name	Phylum	Subphylum	Class
20000	Protista (Kingdom)			
40000	Ciliophora (Phylum)			
50000	Dinoflagellida (Order)	Sarcomastigophora	Mastigophora	Phytomastigophora
60000	Foraminiferida (Order)	Sarcomastigophora	Sarcodina	Granuloreticulosa
70000	Porifera (Phylum)			
80000	Hydrozoa (Class)	Cnidaria		
90000	Scyphozoa (Class)	Cnidaria		
100000	Anthozoa (Class)	Cnidaria		
120000	Ctenophora (Phylum)			
130000	Platyhelminthes (Phylum)			
140000	Nemertea (Phylum)			
150000	Rotifera (Phylum)			
170000	Kinorhyncha (Phylum)			
180000	Nematoda (Phylum)			
190000	Priapulida (Phylum)			
200000	Sipuncula (Phylum)			
210000	Echiura (Phylum)			
230000	Polychaeta (Class)	Annelida		
310000	Oligochaeta (Class)	Annelida		
320000	Hirudinea (Class)	Annelida		
330000	Acari (Order)	Arthropoda	Chelicerata	Arachnida
340000	Pycnogonidae (Class)	Arthropoda	Chelicerata	
350000	Ostracoda (Class)	Arthropoda	Crustacea	
360000	Copepoda (Class)	Arthropoda	Crustacea	
370000	Cladocera (Suborder)	Arthropoda	Crustacea	Branchiopoda
380000	Cirripedia (Class)	Arthropoda	Crustacea	
390000	Cumacea (Order)	Arthropoda	Crustacea	Malacostraca
400000	Tanaidacea (Order)	Arthropoda	Crustacea	Ostracoda
410000	Mysidacea (Order)	Arthropoda	Crustacea	Malacostraca
420000	Isopoda (Order)	Arthropoda	Crustacea	Malacostraca
430000	Amphipoda (Order)	Arthropoda	Crustacea	Malacostraca
440000	Euphausiacea (Order)	Arthropoda	Crustacea	Malacostraca
450000	Decapoda (Order)	Arthropoda	Crustacea	Malacostraca
460000	Insecta (Class)	Arthropoda	Uniramia	
470000	Tardigrada (Phylum)			
480000	Gastropoda (Class)	Mollusca		
510000	Bivalvia (Class)	Mollusca		
530000	Cephalopoda (Class)	Mollusca		
550000	Bryozoa (Phylum)			
560000	Phoronida (Phylum)			
570000	Brachiopoda (Phylum)			
580000	Chaetognatha (Phylum)			

Table A1.1. List of taxonomic groups used in the Tuktoyaktuk Harbour studies, and corresponding species codes (CONTINUED).

Code	Taxonomic Group Name	Phylum	Subphylum	Class
590000	Crinoidea (Class)	Echinodermata		
600000	Stelleroidea (Class)	Echinodermata		
610000	Holothuroidea (Class)	Echinodermata		
620000	Echinoidea (Class)	Echinodermata		
630000	Ascidacea (Class)	Chordata	Urochordata	
640000	Larvacea (Class)	Chordata	Urochordata	
650000	Crustacea (Subphylum)	Arthropoda		
660000	Entoprocta (Phylum)			
740000	Petromyzontidae (Family)	Chordata	Vertebrata	Cephalaspidomorpha
750000	Cluperidae (Family)	Chordata	Vertebrata	Osteichthyes
760000	Osmeridae (Family)	Chordata	Vertebrata	Osteichthyes
770000	Salmonidae (Family)	Chordata	Vertebrata	Osteichthyes
780000	Gadidae (Family)	Chordata	Vertebrata	Osteichthyes
790000	Gasterosteidae (Family)	Chordata	Vertebrata	Osteichthyes
800000	Cottidae (Family)	Chordata	Vertebrata	Osteichthyes
810000	Agonidae (Family)	Chordata	Vertebrata	Osteichthyes
820000	Cyclopteridae (Family)	Chordata	Vertebrata	Osteichthyes
830000	Zoarcidae (Family)	Chordata	Vertebrata	Osteichthyes
840000	Stichaeidae (Family)	Chordata	Vertebrata	Osteichthyes
850000	Ammodytidae (Family)	Chordata	Vertebrata	Osteichthyes
860000	Pleuronectidae (Family)	Chordata	Vertebrata	Osteichthyes
870000	Unidentified fish larvae			
880000	Unidentified fish egg			
910000	Unidentified invertebrate			
920000	Unidentified egg			
930000	Plant/Vegetative matter			
940000	Stones. pebbles			

Table A2.1 Alphabetic list of animals captured in Tuktoyaktuk Harbour, 1984-1987.

Specimen Name	Phylum	Taxonomic Group	Species Code
Acari (Order)	Arthropoda	Acari (Order)	330000
Acartia bifilosa	Arthropoda	Copepoda (Class)	364103
Acartia clausi	Arthropoda	Copepoda (Class)	364101
Acartia longiremis	Arthropoda	Copepoda (Class)	364102
Acartia sp.	Arthropoda	Copepoda (Class)	364100
Aceroides latipes	Arthropoda	Amphipoda (Order)	436161
Aeginopsis laurentii	Cnidaria	Hydrozoa (Class)	80701
Aglantha digitale	Cnidaria	Hydrozoa (Class)	80711
Amphipoda (Order)	Arthropoda	Amphipoda (Order)	430000
Antinoella sp.	Annelida	Polychaeta (Class)	232100
Apherusa glacialis	Arthropoda	Amphipoda (Order)	436191
Apherusa sp.	Arthropoda	Amphipoda (Order)	436190
Aphididae (Family)	Arthropoda	Insecta (Class)	467321
Asplanchna sp.	Rotifera	Rotifera (Phylum)	151610
Autolytus cornutus	Annelida	Polychaeta (Class)	232141
Baetidae (Family)	Arthropoda	Insecta (Class)	467361
Beroe cucumis	Ctenophora	Ctenophora (Phylum)	121201
Bibonidae (Family)	Arthropoda	Insecta (Class)	467261
Bivalvia (Class)	Mollusca	Bivalvia (Class)	510000
Boeckosimus affinis	Arthropoda	Amphipoda (Order)	436241
Boreogadus saida	Chordata	Gadidae (Family)	789351
Bosmina sp.	Arthropoda	Cladocera (Suborder)	375100
Braconidae (Family)	Arthropoda	Insecta (Class)	467282
Bylgides sarsi	Annelida	Polychaeta (Class)	232911
Calanoida (Order)	Arthropoda	Copepoda (Class)	365010
Calanus glacialis	Arthropoda	Copepoda (Class)	364113
Calanus hyperboreus	Arthropoda	Copepoda (Class)	364114
Calanus sp.	Arthropoda	Copepoda (Class)	364110
Canaceidae (Family)	Arthropoda	Insecta (Class)	467265
Carabidae (Family)	Arthropoda	Insecta (Class)	467332
Cecidomyiidae (Family)	Arthropoda	Insecta (Class)	467266
Ceratopogonidae (Family)	Arthropoda	Insecta (Class)	467262
Chaetognatha (Phylum)		Chaetognatha (Phylum)	580000
Chalcidoidea (Superfamily)	Arthropoda	Insecta (Class)	467281
Chironomidae (Family)	Arthropoda	Insecta (Class)	467250
Cicadellidae (Family)	Arthropoda	Insecta (Class)	467323
Cirripedia (Class)	Arthropoda	Cirripedia (Class)	380000
Cladocera (Suborder)	Arthropoda	Cladocera (Suborder)	370000
Clione limacina	Mollusca	Gastropoda (Class)	487551
Clupea harengus pallasii	Chordata	Clupeidae (Family)	759251
Coleoptera (Order)	Arthropoda	Insecta (Class)	467330
Copepoda (Class)	Arthropoda	Copepoda (Class)	360000
Coregonus autumnalis	Chordata	Salmonidae (Family)	779291
Coregonus sp.	Chordata	Salmonidae (Family)	779290
Corydalidae (Family)	Arthropoda	Insecta (Class)	467351
Cristatella mucedo	Bryozoa	Bryozoa (Phylum)	558381
Ctenophora (Phylum)		Ctenophora (Phylum)	120000
Culicidae (Family)	Arthropoda	Insecta (Class)	467273
Cyclopina sp.	Arthropoda	Copepoda (Class)	364140
Cyclopoidea (Order)	Arthropoda	Copepoda (Class)	365020
Cyclops sp.	Arthropoda	Copepoda (Class)	364130
Cyclops vernalis	Arthropoda	Copepoda (Class)	364131
Cyclops sp. vernalis	Arthropoda	Copepoda (Class)	364134
Cynipidae (Family)	Arthropoda	Insecta (Class)	467311
Daphnia cf. pulex	Arthropoda	Cladocera (Suborder)	375111
Daphnia sp.	Arthropoda	Cladocera (Suborder)	375110
Diaptomus ashlandi	Arthropoda	Copepoda (Class)	364173
Diaptomus nevadensis	Arthropoda	Copepoda (Class)	364174
Diaptomus sicilis	Arthropoda	Copepoda (Class)	364171
Diaptomus sp.	Arthropoda	Copepoda (Class)	364170
Diastylis rathkei	Arthropoda	Cumacea (Order)	395375
Diptera (Order)	Arthropoda	Insecta (Class)	467260
Dolichopodidae (Family)	Arthropoda	Insecta (Class)	467278

Table A2.1 Alphabetic list of animals captured in Tuktoyaktuk Harbour, 1984-1987 (CONTINUED).

Specimen Name	Phylum	Taxonomic Group	Species Code
<i>Drepanopus bungei</i>	Arthropoda	Copepoda (Class)	364181
<i>Eleginus gracilis</i>	Chordata	Gadidae (Family)	789361
Empididae (Family)	Arthropoda	Insecta (Class)	467267
<i>Epischura lacustris</i>	Arthropoda	Copepoda (Class)	364201
<i>Epischura nevadensis</i>	Arthropoda	Copepoda (Class)	364202
<i>Epischura</i> sp.	Arthropoda	Copepoda (Class)	364200
<i>Eualus gaimardii</i>	Arthropoda	Decapoda (Order)	457061
<i>Euchaeta glacialis</i>	Arthropoda	Copepoda (Class)	364221
<i>Eucratea loricata</i>	Bryozoa	Bryozoa (Phylum)	558391
<i>Eukrohnia hamata</i>	Chaetognatha	Chaetognatha (Phylum)	588651
<i>Eumedusa birulae</i>	Cnidaria	Hydrozoa (Class)	80761
<i>Eumedusa</i> sp.	Cnidaria	Hydrozoa (Class)	80760
Euphausiacea (Order)	Arthropoda	Euphausiacea (Order)	440000
<i>Euphysa flammea</i>	Cnidaria	Hydrozoa (Class)	80771
<i>Eurytemora americana</i>	Arthropoda	Copepoda (Class)	364236
<i>Eurytemora canadensis</i>	Arthropoda	Copepoda (Class)	364235
<i>Eurytemora composita</i>	Arthropoda	Copepoda (Class)	364239
<i>Eurytemora herdmani</i>	Arthropoda	Copepoda (Class)	364231
<i>Eurytemora raboti</i>	Arthropoda	Copepoda (Class)	364232
<i>Eurytemora richingsi</i>	Arthropoda	Copepoda (Class)	364233
<i>Eurytemora</i> sp.	Arthropoda	Copepoda (Class)	364230
Formicidae (Family)	Arthropoda	Insecta (Class)	467283
<i>Gaidius tenuispinus</i>	Arthropoda	Copepoda (Class)	364241
<i>Gammaracanthus loricatus</i>	Arthropoda	Amphipoda (Order)	436331
<i>Gammarus</i> sp.	Arthropoda	Amphipoda (Order)	436350
<i>Gammarus wilkitzkii</i>	Arthropoda	Amphipoda (Order)	436353
Gastropoda (Class)	Mollusca	Gastropoda (Class)	480000
<i>Halitholus cirratus</i>	Cnidaria	Hydrozoa (Class)	80791
<i>Halitholus pauper</i>	Cnidaria	Hydrozoa (Class)	80792
<i>Halitholus</i> sp.	Cnidaria	Hydrozoa (Class)	80790
<i>Halobiotus arcturulus</i>	Tardigrada	Tardigrada (Phylum)	477451
Halocyprididae (Family)	Arthropoda	Ostracoda (Class)	353950
Harpacticoida (Order)	Arthropoda	Copepoda (Class)	365030
<i>Harpacticus uniremis</i>	Arthropoda	Copepoda (Class)	364252
<i>Hetercope</i> sp.	Arthropoda	Copepoda (Class)	364260
<i>Hyas</i> sp.	Arthropoda	Decapoda (Order)	457110
Hydrozoa (Class)	Cnidaria	Hydrozoa (Class)	80000
<i>Hyperia galba</i>	Arthropoda	Amphipoda (Order)	436411
<i>Hyperia medusarum</i>	Arthropoda	Amphipoda (Order)	436412
<i>Hyperia</i> sp.	Arthropoda	Amphipoda (Order)	436410
<i>Hyperifida</i> sp.	Arthropoda	Amphipoda (Order)	436730
<i>Hyperoche medusarum</i>	Arthropoda	Amphipoda (Order)	436711
Ichneumonidae (Family)	Arthropoda	Insecta (Class)	467284
Insecta (Class)	Arthropoda	Insecta (Class)	460000
Isopoda (Order)	Arthropoda	Isopoda (Order)	420000
<i>Jaschnovia (=Derjuginia) tolli</i>	Arthropoda	Copepoda (Class)	364471
<i>Kellicottia</i> sp.	Rotifera	Rotifera (Phylum)	151630
<i>Keratella cochlearis</i>	Rotifera	Rotifera (Phylum)	151601
<i>Keratella quadrata</i>	Rotifera	Rotifera (Phylum)	151602
<i>Keratella</i> sp.	Rotifera	Rotifera (Phylum)	151600
<i>Limacina helicina</i>	Mollusca	Gastropoda (Class)	487631
<i>Limnocalanus macrurus</i>	Arthropoda	Copepoda (Class)	364281
Lysianassidae (Family)	Arthropoda	Amphipoda (Order)	436780
<i>Mertensia ovum</i>	Ctenophora	Ctenophora (Phylum)	121221
<i>Mertensia</i> sp.	Ctenophora	Ctenophora (Phylum)	121220
<i>Mesidotea entomon</i>	Arthropoda	Isopoda (Order)	425811
<i>Mesocyclops edax</i>	Arthropoda	Copepoda (Class)	365081
<i>Metopa longirama</i>	Arthropoda	Amphipoda (Order)	436452
<i>Metopa</i> sp.	Arthropoda	Amphipoda (Order)	436450
<i>Metridia longa</i>	Arthropoda	Copepoda (Class)	364301
<i>Microcalanus pygmaeus</i>	Arthropoda	Copepoda (Class)	364311
<i>Microsetella norvegica</i>	Arthropoda	Copepoda (Class)	364321

Table A2.1 Alphanumeric list of animals captured in Tuktoyaktuk Harbour, 1984-1987 (CONTINUED).

Specimen Name	Phylum	Taxonomic Group	Species Code
Microsetella rosea	Arthropoda	Copepoda (Class)	364322
Miridae (Family)	Arthropoda	Insecta (Class)	467411
Monoculodes packardi	Arthropoda	Amphipoda (Order)	436473
Monoculodes sp.	Arthropoda	Amphipoda (Order)	436470
Mycetophilidae (Family)	Arthropoda	Insecta (Class)	467300
Myoxocephalus quadricornis	Chordata	Cottidae (Family)	809441
Mysidacea (Order)	Arthropoda	Mysidacea (Order)	410000
Mysis littoralis	Arthropoda	Mysidacea (Order)	415661
Mysis oculata	Arthropoda	Mysidacea (Order)	415662
Mysis polaris	Arthropoda	Mysidacea (Order)	415664
Mysis relicta	Arthropoda	Mysidacea (Order)	415663
Nematoda (Phylum)		Nematoda (Phylum)	180000
Neomysis intermedia	Arthropoda	Mysidacea (Order)	415702
Obelia sp.	Cnidaria	Hydrozoa (Class)	80820
Octopus sp.	Mollusca	Cephalopoda (Class)	538240
Oediceros sp.	Arthropoda	Amphipoda (Order)	436690
Oikopleura sp.	Chordata	Larvacea (Class)	649200
Oithona similis	Arthropoda	Copepoda (Class)	364351
Oncaea borealis	Arthropoda	Copepoda (Class)	364361
Onisimus glacialis	Arthropoda	Amphipoda (Order)	436501
Onisimus littoralis	Arthropoda	Amphipoda (Order)	436502
Onisimus nanseni	Arthropoda	Amphipoda (Order)	436503
Onisimus sp.	Arthropoda	Amphipoda (Order)	436500
Osmerus mordax	Chordata	Osmeridae (Family)	769281
Ostracoda (Class)	Arthropoda	Ostracoda (Class)	350000
Paguridae (Family)	Arthropoda	Decapoda (Order)	457130
Parathemisto abyssorum	Arthropoda	Amphipoda (Order)	436531
Parathemisto sp.	Arthropoda	Amphipoda (Order)	436530
Paroedicerus lynceus	Arthropoda	Amphipoda (Order)	436551
Paroedicerus propinquus	Arthropoda	Amphipoda (Order)	436552
Paroedicerus sp.	Arthropoda	Amphipoda (Order)	436550
Phoridae (Family)	Arthropoda	Insecta (Class)	467268
Pipunculidae (Family)	Arthropoda	Insecta (Class)	467269
Platichthys stellatus	Chordata	Pleuronectidae (Family)	869601
Pleuronectidae (Family)	Chordata	Pleuronectidae (Family)	860000
Podon leuckartii	Arthropoda	Cladocera (Suborder)	375121
Polyarthra sp.	Rotifera	Rotifera (Phylum)	151640
Polychaeta (Class)	Annelida	Polychaeta (Class)	230000
Pontoporeia affinis	Arthropoda	Amphipoda (Order)	436591
Pontoporeia femorata	Arthropoda	Amphipoda (Order)	436592
Pontoporeia sp.	Arthropoda	Amphipoda (Order)	436590
Prionospio cirrifera	Annelida	Polychaeta (Class)	232661
Pseudocalanus minutus	Arthropoda	Copepoda (Class)	364392
Psyllidae (Family)	Arthropoda	Insecta (Class)	467322
Rathkea octopunctata	Cnidaria	Hydrozoa (Class)	80921
Rotifera (Phylum)		Rotifera (Phylum)	150000
Sagitta elegans	Chaetognatha	Chaetognatha (Phylum)	588661
Sagitta sp.	Chaetognatha	Chaetognatha (Phylum)	588660
Sarsia princeps	Cnidaria	Hydrozoa (Class)	80831
Sarsia sp.	Cnidaria	Hydrozoa (Class)	80830
Sciaridae (Family)	Arthropoda	Insecta (Class)	467264
Semibalanus balanoides	Arthropoda	Cirripedia (Class)	385301
Simuliidae (Family)	Arthropoda	Insecta (Class)	467274
Spinocalanus longicornis	Arthropoda	Copepoda (Class)	364421
Staphylinidae (Family)	Arthropoda	Insecta (Class)	467333
Stenohelia (=Delavalia) sp.	Arthropoda	Copepoda (Class)	364540
Stichaeidae (Family)	Chordata	Stichaeidae (Family)	840000
Thisbe furcata	Arthropoda	Copepoda (Class)	364451
Thripidae (Family)	Arthropoda	Insecta (Class)	467420
Thysanoessa inermis	Arthropoda	Euphausiacea (Order)	446951
Thysanoessa raschii	Arthropoda	Euphausiacea (Order)	446953
Thysanoessa sp.	Arthropoda	Euphausiacea (Order)	446950

Table A2.1 Alphabetic list of animals captured in Tuktoyaktuk Harbour, 1984-1987 (CONTINUED).

Specimen Name	Phylum	Taxonomic Group	Species Code
Tiphys sp.	Arthropoda	Acari (Order)	333450
Tipulidae (Family)	Arthropoda	Insecta (Class)	467271
Trichotropis borealis	Mollusca	Gastropoda (Class)	487742
Trochochaeta carica	Annelida	Polychaeta (Class)	232801
Unidentified egg			920000
Unidentified fish egg			880000
Unidentified fish larvae			870000
Unidentified invertebrate			910000
Weyprechtia heuglini	Arthropoda	Amphipoda (Order)	436701

Table A3.1. Table of species codes for specimens collected in each year.

1984-1987	1984	1985	1986	1987
80000	80000	80000	80000	80000
80701		80701	80701	80701
80711	80711	80711	80711	80711
80760		80760		
80761		80761	80761	80761
80771		80771	80771	80771
80790		80790		
80791		80791	80791	80791
80792			80792	
80820	80820		80820	80820
80830			80830	
80831		80831	80831	
80921				80921
120000		120000	120000	120000
121201				121201
121220		121220		
121221			121221	121221
150000		150000	150000	150000
151600	151600			
151601		151601	151601	151601
151602		151602	151602	151602
151610			151610	
151630		151630		
151640		151640		
180000		180000		
230000		230000	230000	230000
232100				232100
232141				232141
232661			232661	
232801			232801	
232911		232911	232911	232911
330000			330000	
333450				333450
350000		350000		
353950				353950
360000		360000		
364100		364100		
364101		364101	364101	364101
364102		364102	364102	364102
364103		364103	364103	364103
364110		364110	364110	364110
364113	364113	364113	364113	364113
364114	364114	364114	364114	364114
364130		364130	364130	364130
364131		364131		364131
364134				364134
364140		364140		
364170		364170		
364171		364171	364171	364171
364173		364173		
364174		364174		
364181			364181	364181
364200		364200		
364201		364201		364201
364202		364202		364202
364221			364221	



Table A3.1. Table of species codes for specimens collected (CONTINUED).

1984-1987	1984	1985	1986	1987
364230		364230	364230	
364231		364231		364231
364232		364232	364232	364232
364233				364233
364235		364235		364235
364236		364236	364236	364236
364239				364239
364241		364241	364241	364241
364252				364252
364260	364260			
364281	364281	364281	364281	364281
364301			364301	364301
364311			364311	364311
364321		364321	364321	364321
364322			364322	364322
364351		364351	364351	364351
364361		364361	364361	364361
364392		364392	364392	364392
364421		364421		
364451		364451		
364471		364471	364471	364471
364540				364540
365010		365010	365010	365010
365020		365020	365020	365020
365030		365030		
365081				365081
370000		370000		370000
375100		375100		
375110	375110			375110
375111				375111
375121			375121	375121
380000				380000
385301				385301
395375		395375		
410000	410000	410000	410000	
415661	415661	415661	415661	415661
415662				415662
415663		415663	415663	415663
415664				415664
415702		415702	415702	
420000			420000	420000
425811	425811	425811	425811	425811
430000		430000	430000	
436161	436161	436161	436161	436161
436190				436190
436191		436191	436191	436191
436241			436241	436241
436331			436331	436331
436350	436350		436350	
436353	436353	436353	436353	436353
436410				436410
436411	436411	436411	436411	436411
436412				436412
436450		436450	436450	
436452			436452	
436470	436470	436470	436470	436470
436473		436473	436473	436473

Table A3.1. Table of species codes for specimens collected (CONTINUED).

1984-1987	1984	1985	1986	1987
436500			436500	436500
436501			436501	
436502	436502	436502		
436503	436503	436503	436503	436503
436530		436530		436530
436531			436531	
436550				436550
436551		436551	436551	436551
436552			436552	436552
436590			436590	436590
436591	436591	436591	436591	
436592	436592		436592	436592
436690		436690		
436701			436701	
436711			436711	
436730				436730
436780			436780	436780
440000				440000
446950				446950
446951			446951	446951
446953			446953	446953
457061			457061	
457110				457110
457130				457130
460000		460000	460000	
467250		467250	467250	467250
467260			467260	467260
467261		467261		
467262		467262		
467264		467264	467264	467264
467265		467265		
467266		467266	467266	467266
467267		467267		467267
467268		467268	467268	
467269		467269		
467271			467271	467271
467273				467273
467274			467274	
467278			467278	
467281		467281	467281	467281
467282		467282		467282
467283		467283		
467284			467284	
467300		467300		
467311			467311	
467321			467321	467321
467322		467322		
467323		467323		
467330				467330
467332		467332		
467333		467333		
467351		467351		
467361		467361		
467411			467411	467411
467420				467420
477451		477451		
480000		480000		480000
487551				487551

Table A3.1. Table of species codes for specimens collected (CONTINUED).

1984-1987	1984	1985	1986	1987
487631 487742	487631			487631 487742
510000			510000	510000
538240			538240	538240
558381 558391	558381 558391			
580000 588651 588660 588661	588651	580000 588651 588660 588661	580000  588661	580000 588651 588661
649200			649200	649200
759251		759251	759251	759251
769281	769281	769281	769281	769281
779290 779291		779191	779291	779290 779291
789351 789361		789351		789361
809441		809441	809441	
840000	840000	840000		840000
860000 869601		869601	869601	860000
870000		870000	870000	870000
880000	880000			880000
910000		910000		
920000		920000	920000	920000

Table A4.1. Larval and post larval fish catch summary for neuston and 500 µm bongo samples from test trials in Tuktoyaktuk Harbour, 1985.

Plankton Sample Number	Species Name	Count per Sample	Plankton Sample Number	Species Name	Count per Sample
0	Clupea harengus pallasii	13			
0	Osmerus mordax	1			
0	Myoxocephalus quadricornis	14			

Table A4.2. Lengths, weight and stomach fullness data for larval and post larval fish from the neuston and 500 µm bongo test net samples from Tuktoyaktuk Harbour, 1985.

Sample Number Plan- kton	Species Name	Length (mm)		Weight (g)	Stomach <sup>a</sup>	
		Standard	Total		Sampled	Fullness
0	Clupea harengus pallasii	18.00	18.50	0.012		N
0	Clupea harengus pallasii	21.00	21.50	0.025		N
0	Clupea harengus pallasii	19.50	20.50	0.013		N
0	Clupea harengus pallasii	20.00	21.00	0.014		N
0	Clupea harengus pallasii	20.50	22.00	0.018		N
0	Clupea harengus pallasii	15.00	15.00	0.003		N
0	Clupea harengus pallasii	18.00	18.50	0.007		N
0	Clupea harengus pallasii	16.50	17.00	0.005		N
0	Clupea harengus pallasii	19.00	19.50	0.008		N
0	Clupea harengus pallasii	11.00	11.00	0.000		N
0	Clupea harengus pallasii	14.50	14.50	0.004		N
0	Clupea harengus pallasii	11.00	11.00	0.000		N
0	Clupea harengus pallasii	18.50	19.00	0.009		N
0	Osmerus mordax	30.50	47.00	0.328		N
0	Myoxocephalus quadricornis	15.50	16.50	0.018		N
0	Myoxocephalus quadricornis	15.50	16.50	0.018		N
0	Myoxocephalus quadricornis	13.50	14.50	0.012		N
0	Myoxocephalus quadricornis	13.00	14.00	0.006		N
0	Myoxocephalus quadricornis	15.00	15.50	0.009		N
0	Myoxocephalus quadricornis	15.00	15.50	0.015		N
0	Myoxocephalus quadricornis	14.50	15.00	0.009		N
0	Myoxocephalus quadricornis	15.00	16.00	0.012		N
0	Myoxocephalus quadricornis	15.50	16.50	0.018		N
0	Myoxocephalus quadricornis	15.50	16.50	0.017		N
0	Myoxocephalus quadricornis	15.00	15.50	0.013		N
0	Myoxocephalus quadricornis	15.00	16.00	0.012		N
0	Myoxocephalus quadricornis	12.50	13.00	0.009		N
0	Myoxocephalus quadricornis	14.50	15.50	0.015		N

a N - not sampled; W - whole digestive tract; S - stomach only.

