# Monitoring Oil Spill Bioremediation Using Marsh Foraminifera As Indicators

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### ABSTRACT

A controlled experiment was conducted by Fisheries and Oceans Canada and the United States Environmental Protection Agency in June 2000, to identify the impacts of an oil spill on an Atlantic coastal salt marsh and to evaluate the effectiveness of *in situ* biological remediation techniques to help restore the environment. Foraminifera, a type of marsh microfossil known to be sensitive to several types of environmental stress, were used to monitor the effects of the oil spill and the treatments.

The study site was situated within Petpeswick Inlet on Conrod's Beach, along the Eastern Shore of Nova Scotia. Plots were laid out and weathered crude oil was applied to the surface of the designated plots in early June at low tide. Six different treatments were used in triplicate for a total 18 plots, including a control plot with nutrients (no oil), a control plot without nutrients (no oil), an oiled plot (natural attenuation), and plots with the added enrichment of nutrients, cut plants and/or agricultural disking.

Results show that the foraminifera responded quickly to the oil and that the oil had a statistically significant negative impact on at least one particular species, *Miliammina fusca*. This was seen by a dramatic increase in deformities in the shape of the test, in comparison to specimens observed from the non-oiled control plots, and to previous observations from an analogous inlet nearby. Remediation measures appear to have had no significant mitigating effect and in fact may have had a negative impact on foraminiferal assemblages within the treated plots. The percentages of deformed tests were some of the highest ever observed, appearing within three days of the application of the oil. These results clearly show that foraminifera can be excellent indicators of oil pollution. In addition to the sensitivity of the tests to external stress, the advantages of using foraminifera also include ease of sampling, processing and examination. Furthermore, because these organisms leave a fossil record, we can detect the effects of previous oil spills in buried sediment from coastal marshes.

# ERRATUM

Throughout the entire document entitled "Monitoring Oil Spill Bioremediation Using Marsh Foraminifera as Indicators", there are six separate treatments referred to as follows:

- Treatment A- Control with nutrient enrichment (no oil);
- Treatment B- Control without nutrient enrichment (no oil);
- Treatment C- Oiled plot without treatments; natural attenuation;
- Treatment D- Oiled plot with nutrient enrichment
- Treatment E- Oiled plot with nutrient enrichment and cut plants;
- Treatment F- Oiled plot with nutrient enrichment and agricultural disking.

Please note that Treatment A and B have been incorrectly labeled throughout the text. In each case where Treatment A is referred to as a "control with nutrient enrichment (no oil)", it should read "control with*out* nutrient enrichment (no oil)". In the same respect, Treatment B should be referred to as a "control *with* nutrient enrichment (no oil)". As a result, Treatment A is therefore a completely natural control, while Treatment B is a control with nutrient enrichment. The data from the plots with both these treatments with no oil will be used to compare against the data from plots with the other four treatments with oil.

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# **CHAPTER 1: INTRODUCTION**

#### **1.1 OBJECTIVE AND GENERAL STATEMENT**

Marsh microfossils (such as foraminifera and thecamoebians) can be used to detect and monitor a wide variety of environmental parameters, such as sea-level change, pH, salinity, temperature and pollution, within the marsh surface (Scott et al., 2001). The goal of this project is to monitor the effects of a weathered crude oil spill on a coastal salt marsh carried out in June 2000, and the effectiveness of *in situ* bioremediation treatments, with the use of marsh foraminifera as indicators.

This research is part of a large multidisciplinary project called "Evaluation of Salt Marsh Oil Spill Countermeasures", which was run from May to October 2000, by Fisheries and Oceans Canada (DFO), and by the United States Environmental Protection Agency (USEPA). After a controlled oil spill, the study will determine "the extent of environmental impacts, the natural rates of recovery, and the effectiveness of *in situ* remediation techniques" (Fisheries and Oceans Canada, 2000, p.4). Among the different aspects of research that this overall project incorporates, such as toxicology, chemistry and biology, this thesis concentrates solely on the marine micropaleontology aspect, dealing with salt marsh microfossil assemblages (foraminifera) and their response to the oil and corresponding treatments.

The experiment was carried out on the Eastern Shore of Nova Scotia in a salt marsh along Conrod's Beach, at the mouth of Petpeswick Inlet (44° 42' N; 63° 11' W), east of Chezzetcook Inlet (Fig. 1.1 and 1.2). The results from this experiment are expected to contribute to new "operational guidelines for remediation strategies for use on oilcontaminated, coastal salt marsh environments" (Fisheries and Oceans Canada, 2000, p.2), as well as to demonstrate the feasibility of an environmental monitoring tool based on foraminifera.

#### **1.2 IMPORTANCE OF PROJECT**

Salt marshes of Atlantic Canada are highly susceptible to marine oil spills. They are inundated twice a day by tides that may transport spilled oil to the shore, which then may be incorporated into the sediments (Alexander and Webb, 1987). As low-energy ecosystems, the rates of oil removal by physical processes (e.g. scouring associated with wave activity) are generally slow. Moreover, impacts may continue for extended periods of time (>10 years) as oil stranded in the fine-grained, oxygen-limited sediments of coastal salt marshes is highly resistant to natural degradation (Lee and Levy, 1991). To test restoration techniques in a marsh environment with the minimum amount of impact on its habitants after the oil spill, and to determine how successful the recovery of vegetation and other biota has been, it is important to have a controlled experiment. There is an immediate need to develop less intrusive restoration techniques that effectively remove the pollutant without endangering the environment, while enabling restoration of the habitat to its original state. For this reason, the use of benthic foraminifera as monitors of bioremediation efforts -"the modification of environmental parameters to stimulate the degradation of contaminants" (Fisheries and Oceans Canada, 2000, p.5) -provides a relatively quick and concise indication of progress, enabling new and natural countermeasure strategies to be implemented.

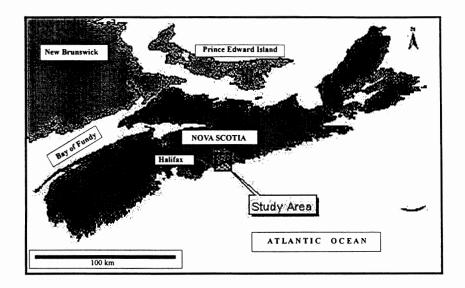
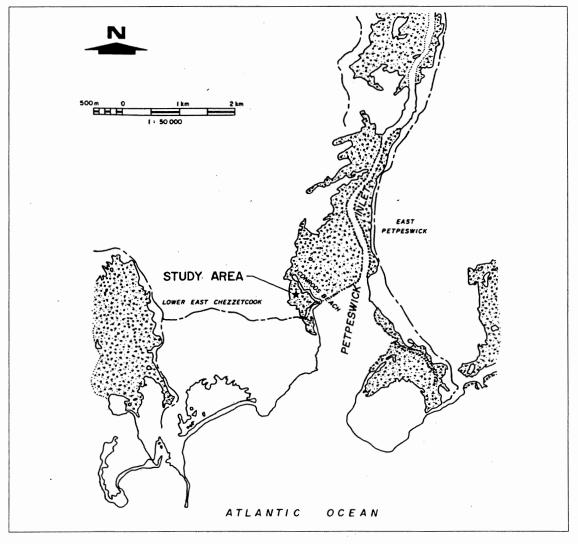


Figure 1.1b Site Location: Conrod's Beach, Petpeswick Inlet, Nova Scotia



Source: Lane et al., 1983

Fig. 1.2 Aerial photograph of the site location, Conrod's Beach, Petpeswick Inlet



1km

Source: Courtesy of Canadian Coast Guard

### **1.3 STUDY AREA**

### **1.3.1 Physical Environment**

Conrod's Beach salt marsh is situated 2km from the mouth of Petpeswick Inlet, an estuarine system that extends approximately 11km inland from behind a dune system, located along the Eastern Shore of Nova Scotia (Fig. 1.1 and 1.2). A combination of sandy, cobble and boulder beaches separates the marsh from mud and sand flats (Fisheries and Oceans Canada, 2000). As in all salt marshes, a continued supply of sediment is required for the persistence, growth and development of the marsh, which can be derived either from the sea bed or the land, according to local conditions (Long and Mason, 1983). During low tide, the marsh is drained by a single channel that breaches the dune system (Lane et al., 1987). This area is inundated twice a day by relatively low amplitude tides, with a recorded mean water level of 0.7m at high tide (Fisheries and Oceans Canada, 2000), and is a protected area, which makes for ideal conditions for this type of experiment.

One of the most distinctive characteristics of a salt marsh system is its vertical zonation of vegetation, including three main zones: creek-edge, middle/intertidal-marsh, and high-marsh zones (Lane, 1987). It is within the middle marsh zone that stands of the predominant salt marsh grass in Atlantic Canada, *Spartina alterniflora*, are characteristic (Hatcher et al., 1981), and among which the experiment was run.

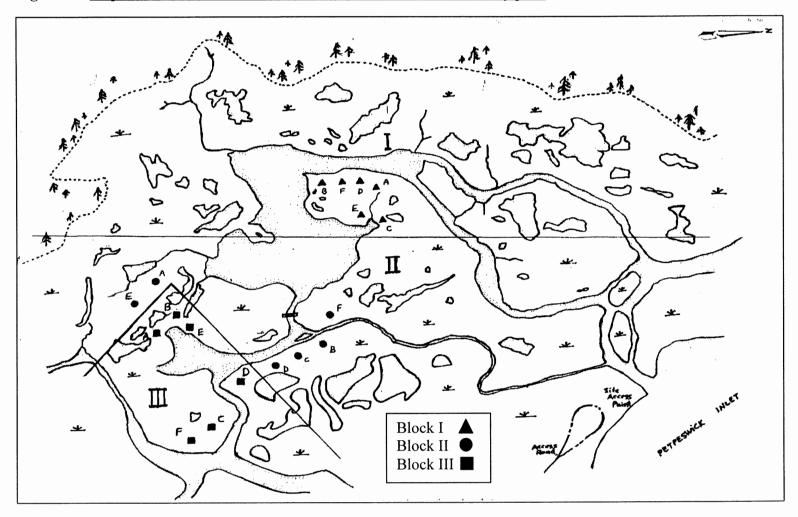


Figure 1.3 Map of the Conrod's Beach Salt Marsh with locations of the study plots

Source: Department of Fisheries and Oceans, 2000

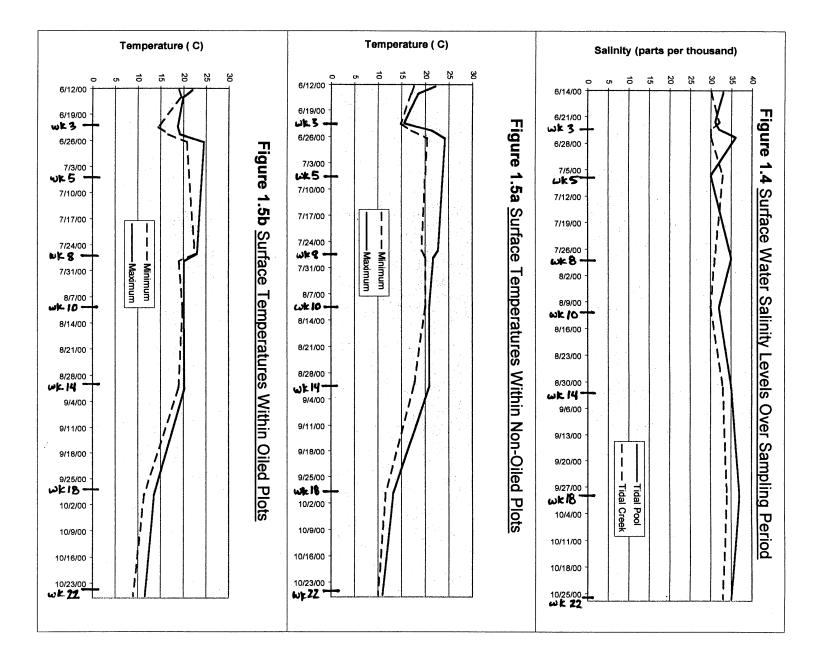
#### **1.3.2** Selection of Plots

Experimental plots were strategically placed within the intertidal marsh zone, where medium to high tide influences the marsh surface twice a day (Fig. 1.3). This zone contains the necessary fauna and wildlife to suit the requirements of the study, and it is the average mean high tide level where most oil would naturally come to rest in a real oil spill. Three sets of six plots were set up across the marsh within this zone, to achieve a broad range of data from which suitable averages could be derived. "The experimental plots will be laid out a week prior to the commencement of the experiment on the basis of results from botanical and hydrographic surveys" (Fisheries and Oceans Canada, 2000, p.3).

# **1.3.3 Salinity and Temperature**

Water and ground temperatures, as well as salinity levels, vary according to the change of seasonal conditions within the salt marsh. Among other factors, each benthic foraminiferal species has specific limits of tolerance to salinity for survival, growth and reproduction. Marshes represent the most extreme of all marine environments with large variations in temperature, salinity and pH. Very few species of marine foraminifera thrive in this environment (Scott et al., 2001), and therefore the measured values recorded throughout the sampling period may be considered as contributing factors to the population distributions among the plots.

The salinity levels of the tidal pool and the tidal creek were recorded throughout the experiment, and values were plotted against time (Fig. 1.4) and show a range of 30- $36\%_0$ . Temperatures of the surface sediments were also recorded within the oiled and non-oiled plots, and were plotted against time (Fig. 1.5). Values ranged from 10-25 °C,



 $\infty$ 

with lows in early June and slowly decreasing from the end of August to the end of the experiment on October 26<sup>th</sup>, 2000. Peak temperatures occurred at the end of June. Unfortunately, measurements of temperature and salinity were not recorded previous to June 12<sup>th</sup>, 2000.

## 1.3.4 Organic Matter

One of the ecological parameters that can affect the benthic foraminiferal distribution within the marsh is the presence of organic matter (OM). Within the estuarine system, OM comes in a variety of textures, compositions and densities, all of which are dependent on the source. Although OM is not toxic on its own, it often creates anoxic (low oxygen) conditions which creates reducing conditions that are harmful to most marine fauna (Scott et al., 1995). However, some foraminiferal species appear to survive in areas where OM is abundant. This may be because those foraminifera actually use the biodegradable OM as food, or it may be a result of reduction in competition between species (Williamson, 1999). Specific conditions of OM within each of the core samples are discussed in Chapter 3 and 4.

# **1.4 BACKGROUND ON FORAMINIFERA**

#### **1.4.1** Foraminifera as Indicators

Foraminifera are one-celled microorganisms, and when they die, their shell (or test) remains in the sediment record as a fossil. This allows reconstruction of the environmental history of a site in the absence of original (i.e. real time) physiochemical baseline data (Scott et al., 2001). As well, foraminifera occur in large abundance within the marine setting, with certain species unique to particular environmental conditions.

The extraction and storage of foraminiferal samples is relatively simple and costeffective, which is not always the case with other types of biological environmental indicators commonly used to monitor and assess an impacted site, such as molluscs, polychaetes or bacteria (Scott et al., 2001). There is a long history of the use of foraminifera as indicators in a range of environmental site assessment work, and this will be explored in more detail in the following chapter of previous work.

# 1.4.2 Change in Species Composition

The most typical marsh foraminifera are agglutinated- they have an organic lining with a fine to coarsely agglutinated test composed of silt and sand grains that the organism collects from the substrate and cements together to make a rigid shell. These tests are resistant to low oxygen and low pH, reducing conditions that characterize salt marsh deposits, and are therefore preserved in the marsh sediments. Available data for benthic foraminifera, including areas close to Petpeswick Inlet, have demonstrated that distinct species assemblages serve as proxies to characterize the marsh environment (Scott and Medioli, 1980b). Because of this, although the biological controlling factors of these organisms are not fully known, data obtained from Petpeswick Inlet can be used to interpret fossil assemblages.

## 1.4.3 Deformities

As few as 10% of the total population being deformed specimens suggests a contaminated environment (Scott et al., 2001). Percentages of deformed tests that are above background values, as well as a relatively high number of species exhibiting deformities, are features of foraminiferal populations occupying intensely polluted environments (Boltovskoy et al., 1991). However, Alve (1991) pointed out that these

abnormalities among tests are not only a result of contamination, but can also indicate environmental stress arising from either anthropogenic or natural forcing. The test deformation parameter yields best results when used in conjunction with other population indices, and with environmental data that independently define pre- and postcontaminated intervals. For this reason, both the control plots and the contaminated plots within the site were sampled before the experiment began, and will be sampled again in the spring of 2001 when the new season of growth commences.

#### **1.5 WHY FORAMINIFERA ARE BEING USED**

# 1.5.1 Environmental Sensitivity

The comparatively high species diversity and sensitivity range of benthic foraminiferal populations yields local assemblages that are responsive to a broad range of environmental changes. Within heavily polluted sites, foraminifera are often among the last organisms to disappear completely, and can be also found in transition zones that do not appear to support other kinds of marine organisms (Schafer, 1971). Certain species of foraminifera appear to withstand a significant amount of environmental change, while others respond to contaminants by deforming in shape, or dying out. Either way, these sensitivities are indicative of environmental change, and provide an informative account of the direct effects the contaminant is having on the location and its inhabitants. The following chapter will demonstrate this point with specific case studies.

# 1.5.2 Sample Size and Abundance

Because foraminifera occur in large numbers in small areas, often a 10cc sample provides sufficient material for a statistically significant population. Within one centimeter of the surface marsh, for example, as many as several thousand individuals

can be found. A comprehensive data field base exists that has been compiled for these organisms over a wide range of marine settings, because they have been found to live and remain preserved in every marine environment worldwide, from high water to deep sea (Scott et al., 2001). Therefore, after analyzing a site's population concentration, the relative abundance of the species present will indicate if there has been an environmental change to which the foraminifera responded. Between environments, in particular physically variable nearshore environments, local foraminiferal variability usually does not exceed the differences caused by physical factors differentiating distinct environments (Scott and Medioli, 1980b). This is a key point in the use of foraminifera for environmental analysis, because it enables the recognition of distinct zones in both present-day and ancient sediments that should stand out in relation to spatial distribution "background noise" (Scott et al., 2001, p.28).

### **1.6 ORGANIZATION OF THESIS**

This thesis is divided into six chapters. The introductory chapter describes the study area and its environmental components, explaining the use of marsh foraminifera as indicators and their benefit as informative and reliable tools. The second chapter summarizes a variety of previous work done in this field of study, demonstrating the progress that has been made, as well as the ongoing need for further research. The different background work compares local studies with other estuarine studies, along with several different types of pollution studies performed in the past. Although foraminifera have been used in a wide range of pollution-type studies, such as heavy metals or chemical contaminants, this will be the first known study to use marsh foraminifera as monitors for oil spill impacts and recovery in an Atlantic salt marsh. A third chapter is dedicated to methodology. From the field to the lab, the sampling grids, sampling period and amount, and the individual treatments are described in detail, followed by the steps involved in processing and examining each sample, and finally how the data are presented so that it can be comparable to other work.

The fourth chapter describes the results obtained from the experiment, relating both the weekly and core data from the foraminiferal analysis of sediments from various test plots and organic matter evaluation, to other data from previous studies within the region. In this manner, the results from this experiment will be comparable with other parts of the study, and contribute to future site restoration work. Experimental results such as the population and species, the type of species and their abundance, the living vs. total populations and the deformities within the different species, are covered in the Discussion chapter. Based on previous work, and background knowledge of foraminifera and their typical distribution patterns, the significance of the results are discussed, indicating whether or not the treatments had an effect on the oil-contaminated plots. The neighboring inlet to the study area, Chezzetcook Inlet, provides an excellent collection of comparative data because of the large amount of previous foraminiferal research that has taken place there, and because of its similarities to the physical environment of Petpeswick Inlet.

The final chapter presents conclusions drawn from this study, based on the results, interpretations and discussion. These incorporate the project's original objectives: the extent of environmental impacts of the oil on the salt marsh, the natural rates of recovery within the foraminiferal assemblages, and the effectiveness of *in situ* remediation

techniques on these microfossils. In conclusion, with knowledge gained form this study, recommendations of alternate methods that could have been used for the conduct of this particular experiment are given. Based on the success of this research, project recommendations are given for the application of micro-indicators in future environmental studies.

# **CHAPTER 2: PREVIOUS WORK**

# **2.1 INTRODUCTION**

A large area of research concerning microfossil assemblages, in particular foraminifera, has investigated their sensitivity to environmental change, and their role as indicators of change in a marine setting. Distribution patterns reflect both natural and anthropogenic-caused (inorganic as well as organic) change, and as a result, foraminifera have become known as one of the most sensitive and inexpensive markers for indicating degeneration of marginal marine habitats (Alve, 1991, 1995). As our understanding of benthic foraminifera ecology has advanced over the past 50 years, information on the distribution of foraminifera in unpolluted environments has provided a base for studies using benthic foraminifera as proxy indicators in polluted regions. These studies are widespread across the globe, and have dealt with organic waste discharges, from sewage outfalls or from paper and pulp mills (Alve, 1991), Campbell, 2000), to name a few.

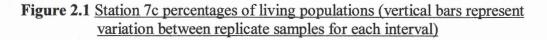
#### **2.2 LOCAL ESTUARINE STUDIES**

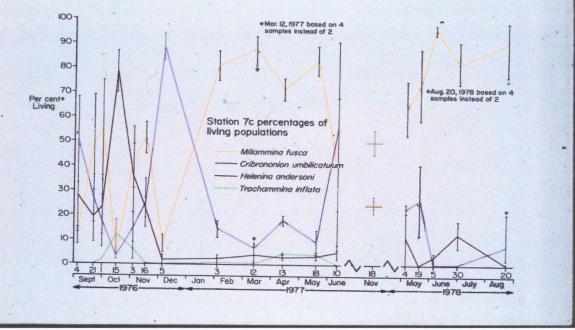
#### 2.2.1 Chezzetcook Inlet, Nova Scotia

One of the advantages accompanying the choice of location for this experiment is that the neighbouring inlet, Chezzetcook Inlet, N.S., is a well-studied and highly similar environment to that of Petpeswick Inlet. Much foraminiferal-based research has been performed there, which has proven to be highly useful and comparable to other estuarine environments, especially in the intertidal zone. The data accumulated from past research will provide good pre-impact, background data for this project.

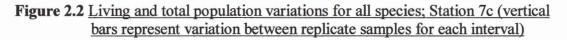
Scott and Medioli (1980a) showed the overall distribution of foraminifera in many maritime salt marshes. A salt marsh in Chezzetcook Inlet, N.S. was used by Scott and Medioli (1980b) to assess both the living and total foraminiferal assemblages, which allowed for the comparison of seasonal variability between two groups (live and total), as opposed to just the living. By considering both types of fluctuation, the contribution of the living population to the total can be better understood. Their goal was to provide insight on the reliability of the total population as an environmental indicator of climatic or micro-environmental changes. Two stations of that project (7c and 7d), which represent outer estuarine zone IIA (upper low marsh) and zone IIB (lower low marsh), are almost identical to the stations plotted for this project (Fig. 2.1-2.3). These two stations present complicated seasonal curves for total population percentages and live population percentages, indicating that seasonal variations were significant, as well as significant variations in and the presence or absence of calcareous species (Scott and Medioli, 1980b). These natural variations are similar to the responses we can expect to see in our project, and will be referred to when analyzing results (refer to Chapter 5).

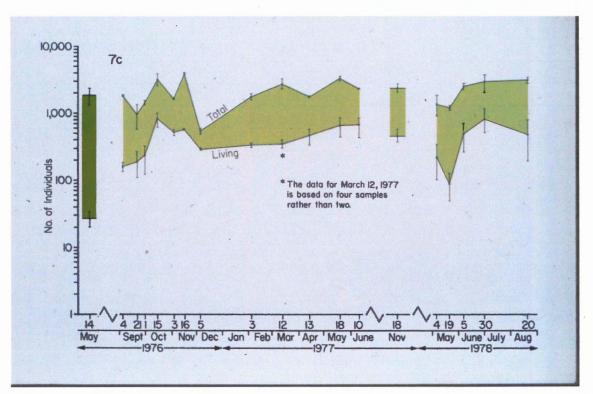
Another study was performed by Scott, Schafer and Medioli (1980) to provide an environmental framework for explaining the differences of distribution patterns and assemblages among different estuarine systems, comparing those of the Miramichi Estuary, N.B., the Restigouche Estuary, N.B., and Chezzetcook Inlet, N.S. The goal of this study was to "demonstrate how foraminiferal assemblage zones, when related to oceanographic data, can be used to derive a classification scheme for estuaries" (Scott et al., 1980, p. 206).



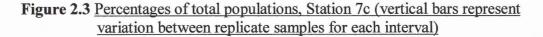


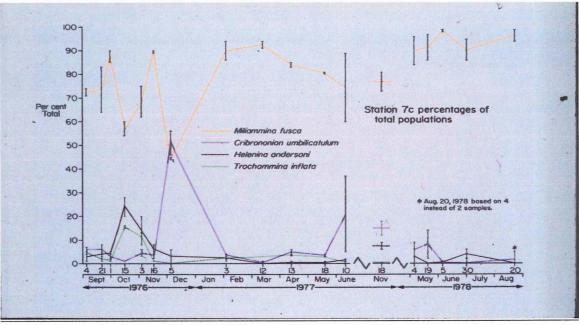
After: Scott and Medioli, 1980b





After: Scott and Medioli, 1980b





Source: Scott and Medioli, 1980b

## **2.3 POLLUTION STUDIES**

Boltovskoy and others (1991) summarized the main environmental parameters that can cause morphological deformities among benthic foraminiferal tests. Deformation of tests can be related to changes in temperature, salinity, carbonate solubility, depth, nutrition, substrate, dissolved oxygen, illumination, pollution, water motion, trace elements, and rapid environmental fluctuations. In response to certain forms of pollution, relatively high numbers of species show deformities above what normal background percentages show, in intensely contaminated areas (Boltovskoy et al., 1991). These abnormalities can be related not only to environmental pollution, but also to anthropogenic or natural stresses affecting the environment, as Alve (1991) demonstrates. To evaluate the effects of pollution on the biota, particularly in estuaries, it is best to compare the present day assemblages with natural, pre-pollution assemblages (Alve, 1995), as is being done in this project. This allows the researcher to "evaluate what environmental effects different kinds of pollution have on a system" (Alve, 1991, p. 17).

### **2.3.1 Foraminifera as Pollution Indicators**

A number of studies in the past have shown the value of benthic foraminifera as indicators of pollution in different estuarine and marine environments.

Benthic foraminifera from the Restigouche Estuary in Chaleur Bay, New Brunswick, were observed by Schafer (1973), near isolated sources of sewage and/or industrial effluent. The distribution patterns reflect different responses between several species near the effluent source, where diversity decreased close to the outfall, but increased farther offshore. The higher values are most likely a result of a temporary artificial environment produced by certain components of the effluent, that actually supports the co-existence of a greater number of species and/or specimens (Schafer, 1973). In the same area, an experiment was later run by the Geological Survey of Canada (Atlantic) to assess the impact of anthropogenic pollution in the form of heavy metals, using foraminifera as indices (Campbell, 2000), showing similar trends.

A study executed in Sorfjord, Western Norway by Alve (1991) showed the response of benthic foraminifera to heavy metal enrichment of the sediment. Among the 70 species observed, different modes of test deformation were found, including double apertures, reduced size of one or more chambers, protuberances on one or more chambers, twisted chamber arrangement, enlarged apertures and twinned forms (Alve, 1991). These deformities were found to be a response to contaminants. Deformed specimens typically make up less than 10% of the total population occupying polluted environments (Scott et al., 2001).

Foraminifera from Guayanilla Bay, Puerto Rica, were observed by Seiglie (1975), based on the effects different pollutants have had on the natural characteristics of the bay, and the assemblages within it. He showed that a small percentage (5%) of those populations that were under chemical and thermal pollution were deformed, while test abnormalities, such as pronounced spiraling and distorted chamber arrangement, were common (Seiglie, 1975). Test abnormalities among several of the observed species, such as individuals with a thin and transparent last chamber or more pronounced spiraling, were attributed to stressed conditions provoked by organic matter contamination, while those with deformed chambers and a distorted chamber arrangement were linked to thermally-polluted lagoonal environments. The final results from this study showed that "test abnormalities appear to be of greater significance than the species composition of indigenous assemblages in establishing differences among closely similar contaminated environments" (Scott and Medioli, 2001, p. 64). It was reported by Stubbles (1997), based on estuarine studies in the southern U.K., that heavy metal contamination and the deformation of tests are directly connected, and that any instance of deformed tests exceeding 5% could be classified as contaminated (Scott and Medioli, 2001).

Whitcomb (1978) claimed that deformations among benthic foraminifera could be caused by oil contamination, based on species sampled from the tidal flat complexes of the lower York River, that were polluted by hydrocarbons spilled by the American Oil Company refinery in Yorktown, Virginia. Test deformities were up to 10% among several individual species. This was believed to be a result of the starvation of foraminifera, due to the weakening of the foraminiferids' prey organism (diatoms), as a secondary effect of the toxicity of the crude oil present (Whitcomb, 1978). Similarly,

three types of irregularities affected the tests of the benthic foraminifera living in Câle du Dourduff, following the oil spill of the Amoco Cadiz (Venec-Peyre, 1981). These three anomalies included a reduced size of one chamber, calcification defects causing additional chambers or folded tests, and, one year after the spill, a parasitic attack. The anomalies were present prior to the contact of the hydrocarbons with the study area, but affected assemblages from only a minor part of the populations (Alve, 1995).

#### 2.4 OTHER OIL MITIGATION STUDIES

#### 2.4.1 Biodegradation and Bioremediation

Because offshore oil spills continue to be a threat to shoreline environments, research projects continue to try to find ways of reducing the impact of harmful hydrocarbons on the fragile coastal environments. In the past, chemical (dispersants) and physical (booms) methods have been used to reduce the amount of spilled oil from reaching the shoreline. However, due to certain constraints, much of the oil often does reach and affect shoreline habitats (Lee and De Mora, 1999, Lee and Merlin, 1999). An alternative spill-response strategy is that of *in situ* bioremediation, which is defined as "the addition of substances or modification of habitat at contaminated sites to accelerate natural biodegradation processes" (Lee and De Mora, 1999, p. 783). Microbial degradation is "a principal process in the elimination of petroleum pollutants from the environment" (Zobell, 1964, p.85), and natural rates of hydrocarbon biodegradation can be limited by abiotic environmental factors (Atlas and Bartha, 1992). Bioremediation has been demonstrated to be an effective countermeasure to this effect, and can be approached in two ways: bioaugmentation (addition of oil-degrading bacteria) and

biostimulation (addition of nutrients) (Lee, 1999; Lee and De Mora, 1999; Lee and Merlin, 1999).

### 2.4.2 Oil-Impacted Shorelines

A number of elaborate and thorough experiments have been performed in different areas to monitor and assess the effectiveness of bioremediation on oil-impacted shoreline environments. Following the disastrous oil spill from the Exxon Valdez in Prince William Sound, Alaska, Prince and others (1993) studied the role of bioremediation in the cleanup. In this case, it involved the application of selected fertilizers to provide assimilable nitrogen and phosphorus to the indigenous microbial populations, which did in fact increase as a result (Prince et al., 1993). Later, Prince and others (1999) carried out a field trial on an Arctic beach using an intermediate fuel oil and soluble and slow fertilizers. While the dominant mechanism of oil removal from the shoreline was physical, there was good evidence that biodegradation was stimulated by the bioremediation treatment employed (Prince et al., 1999).

A collection of field investigations of different bioremediation techniques are reviewed by Swannell and others (1996), to provide suggestions and operational guidelines for the use of bioremediation in response to a marine oil spill. They demonstrate from a range of spill incidents and field trials that "bioremediation is a potential new tool for the cleaning of certain oil-contaminated shoreline types" (Swannell et al., 1996, p.362). Based on these findings, other experiments were run by Swannell and others (1997a, b), such as an investigation of the use of bioremediation to treat oilcontaminated fine sand in the intertidal zone of Stert Flats, Somerset, UK. Within this mudflat environment, it was determined that regular additions of inorganic nutrients (fertilizer) were effective in the stimulation of biodegradation of oiled subsurface sediments, and that monitoring  $CO_2$  evolution *in situ* was an effective tool of measuring the success of the bioremediation (Swannell et al., 1997a, b).

## 2.4.3 Oil-Contaminated Salt Marsh Environments

Salt marshes have been the focus of many oil bioremediation studies because they are known as low-energy coastal environments, where oil is likely to be buried in the sediment, and where microbial degradation plays an important role in its removal (Lee and Levy, 1991). One experiment by Lee and Levy (1991) examined the degradation of a waxy crude oil that was spilled on sand beach and salt marsh environments in Nova Scotia. They found that at high concentrations, waxy crude oils could be effectively countermeasured by nutrient enrichment in the form of agricultural fertilizers (Lee and Levy, 1991). Another project was conducted to compare the effectiveness of bioremediation strategies based on inorganic and organic fertilizer additions to accelerate the biodegradation rates and reduce toxicity in oiled sediments in the intertidal zone of a low-energy beach located on the eastern shore of Nova Scotia (Lee et al., 1996).

The impact of crude oil on the vegetation of salt marshes has also been studied. Lane and others (1993) conducted an experiment at the same study site as this experiment, Conrod's Beach on Petpeswick Inlet, to compare salt marsh vegetation in control and oil- and/or dispersant-treated plots, in the third and fifth growing seasons following treatment. Twelve 0.5m x 4.0m plots were established at random locations in the marsh in each of the three vegetation zones, and four treatments (control, oil, dispersant, or oil+dispersant) were randomly assigned to each zone in 1986. A variety of characteristics were measured, from late August to early September in 1986, 1988 and

1990, including: plant height, stem density, biomass, species cover (of *Spartina alterniflora* and *Spartina patens*), fluorometry, and soil chemistry. The saltmarsh vegetation plots that were treated in 1986 and re-measured in 1988 and 1990 showed a range of positive and negative results, with respect to the long-lasting effects of the treatments (Lane et al., 1993).

Lin and Mendelssohn (1996) looked at the effects of crude oil on the dominant vegetation of fresh, brackish and salt marshes in South Louisiana, including *Spartina alterniflora* and *Spartina patens*. From laboratory experiments run in a greenhouse, it was found that *Spartina patens* were the least sensitive to the crude oil (Lin and Mendelssohn, 1996). In a similar experiment run by Pezeshki and DeLaune (1993), the effect of crude oil on gas exchange functions of two important U.S. Gulf Coast plant species was examined. Both *Juncus roemerianus* and *Spartina alterniflora* were exposed to petroleum hydrocarbons in a laboratory setting, and their growth responses and recovery were monitored and determined (Pezeshki and DeLaune, 1993).

# **CHAPTER 3: METHODS**

### **3.1 PLOTS AND SAMPLING GRID**

In the field, experimental plots were laid out a week prior to the commencement of the experiment in early June, 2000, based on the results from botanical and hydrographic surveys, and guidelines developed from previous studies. Three sets of six plots were laid out by the research team for each of the blocks (I, II and III), and labeled IA through to III F to account for the different treatments, for a total of eighteen plots (Fig. 1.3). Each plot measured 3m x 3m, and comprised four steel posts bound by orange plastic mesh, and blue oil-absorbent padding for the oiled plots (Fig. 3.1). To minimize edge effects, a buffer or 'no-sample' zone was established around the entire perimeter of each plot, along with benchmarks in each of the four corners. Within each plot, four equal sectors were established, excluding the buffer zone and a small walkway in the middle, and each sector was subdivided into 9 sub-sampling zones (Fig. 3.2), corresponding to the sampling events (Fisheries and Oceans Canada, 2000). The walkway was used to access the sub-sampling zones, but also to limit human impact on the surface to within one area inside the plot. To ensure unbiased estimates of treatment effects on oil biodegradation rates, a statistical design (i.e. generalized randomized complete block –GRCB) was used (Addelman, 1969, 1970). As shown in Fig. 1.3, Block I, II and III each has six plots with a random order of treatments (from A to F). In this manner, no one sub-sampling zone was ever sampled twice.

Fig. 3.1 Experimental plots in the field (each 3m<sup>2</sup>)



Fig. 3.2 Sampling Grid

		BUF	FER Z	CONE						
A1	A2	A3	W	A4	A5	A6				
<b>B</b> 1	B2	B3	A	B4	B5	<b>B6</b>				
<b>C</b> 1	C2	C3	L	C4	C5	C6				
<b>D</b> 1	D2	D3	K	D4	D5	D6				
<b>E</b> 1	E2	E3	W	<b>E4</b>	E5	E6				
F1	F2	F3	A	F4	F5	F6				
 BUF	FER Z	ONE	Y	BUF	BUFFER ZONE					

For each sampling date, two different sub-samples were taken, excluding the first and last sampling dates (week 0 and week 22), from which only one sub-sample was needed. For example, week 5 (July 6<sup>th</sup>, 2000), samples were taken from A2 and F4. Following a schedule based on a statistical design (Table 3.1), no one sub-sample was ever sampled twice. Designated sub-sample locations were not in place for the June 2<sup>nd</sup> (week 0) sampling.

Table 3.1 Sampling Schedule

Date	June 9 <sup>th</sup>		June	23 <sup>rd</sup>	July 6 <sup>th</sup>		July 27 <sup>th</sup>		Aug. 10 <sup>th</sup>		Aug. 31 <sup>st</sup>		Sep. 28 <sup>th</sup>		Oct. 26 <sup>th</sup>
Week	Week 1		Wee	Week Week 3 5		Week 8		Week 10		Week 14		Week 18		Week 22	
Sub- sample	B1	D4	B3	F6	A2	F4	C1	E5	C2	E4	B2	F5	A3	D6	A1

### **3.2 TREATMENTS**

To simulate the conditions of an offshore oil spill impacting an Atlantic coastal salt marsh, prior to application, the oil was weathered by aeration to remove low-molecular weight components, reducing the oil volume by approximately 14% (Fisheries and Oceans Canada, 2000). A medium sulphurous light crude oil (MESA: specific gravity 29.7 API; flash point 4°C) from the Petro-Canada refinery in Montreal was used in this study. The oil was applied at low tide to twelve of the eighteen plots within the first week, using a spray boom system adapted to a backpack sprayer (see Fig. 3.3). Using this device, 6L/plot/day of oil was sprayed evenly onto the surface of the designated plots during the low tide period, over two consecutive days, for a total of 144L of oil {12L/plot (2L/m ) x 12 plots}. Three blocks with six different treatments were applied to the plots, for a total of eighteen experimentally treated plots. The six different treatments were as follows, each one represented by a letter:

#### TREATMENTS:

A- Control with nutrient enrichment (no oil added);

- B- Control without nutrient enrichment (no oil added);
- C- Natural attenuation control (no treatments added);
- D- Bioremediation by nutrient enrichment  $NH_4NO_3 + Ca(H_2PO_4)_2 H_20$ ;
- E- Bioremediation by nutrient enrichment ( $NH_4NO_3 + Ca(H_2PO_4)_2 H_2O$ ) with reduction in plant effects, surface vegetation continuously cut back to ground level;
- F- Bioremediation by nutrient (NH<sub>4</sub>NO<sub>3</sub> + Ca(H<sub>2</sub>PO<sub>4</sub>) <sub>2</sub> H<sub>2</sub>O) and oxygen enrichment by agricultural disking.

Throughout the text, each treatment will be referred to as follows, with respect to the experimental plots: Treatment A-Control plot with nutrient enrichment (no oil), Treatment B- Control plot without nutrient enrichment (no oil), Treatment C- Oiled plot without treatments (natural attenuation), Treatment D- Oiled plot with nutrient enrichment, Treatment E- Oiled plot with nutrient enrichment and cut plants, Treatment F- Oiled plot with nutrient enrichment and agricultural disking.

The main nutrients required for the growth of the dominant grass species within this type of salt marsh (*Spartina alterniflora*) are carbon (in the form of  $CO_2$ ), phosphorus, and nitrogen. Therefore, granular nitrogen and phosphorus in the form of agricultural fertilizer were initially broadcast at a dosage of 450 g-N and 134 g-P per oiled plot. As well, during the sampling period, 3 specific plots were aerated (disked) using a small tilling machine, to enhance oxygen penetration within the sediments.

### Fig. 3.3 Oil-spray boom system with backpack sprayer



# 3.3 COLLECTION AND SAMPLING PERIOD

In the week prior to the application of the oil, time zero  $(T_0)$  sampling of the surface sediments within the experimental plots began, to have base data from each of the eighteen locations (referred to as week 0, representing June 2<sup>nd</sup>, 2000). As well, three 10cm long cores were taken from each zone in which one set of the six treatments were applied, outside of the experimental plots, prior to the oiling. These cores were used to determine the stability of the fauna from the past few years, and demonstrate whether or not the assemblages have been stable, or subject to change. If changes occur all the time, it would be difficult to interpret conclusive results from samples taken during this experiment.

The oil was applied to the plots on June 6<sup>th</sup> and 8<sup>th</sup>, 2000, and time one (T<sub>1</sub>) sampling continued two days after the second incremental oiling event (referred to as week 1, representing June 9<sup>th</sup>, 2000). Subsequent sampling followed at weeks 3, 5, 8, 10, 14, 18 and 22 (from June 23<sup>rd</sup> to October 26<sup>th</sup>, 2000). On each sampling date, two representative sub-samples were taken from each plot, so that a total of 36 samples were analyzed for each date. This was done to account for any discrepancies between values, which may occur within the  $3m^2$  area. For the first sampling day (week 0) and the last (week 22), only one representative sample was needed per plot, because of stabilized conditions. In the spring of 2001, one last set of samples will be taken to assess the rate of natural recovery and to determine the concentration of residual oil remaining at the site (Department of Fisheries and Oceans Canada, 2000).

Samples were collected by walking out on to the marsh at low tide and from each subdivided sub-sampling zone, a 10cc core was used (Fig. 3.4) to extract the top 1cm of surface sediment from the experimental plots. This corer, developed by Scott (1977), has a stainless steel body and a serrated edge to penetrate the strong, rootbound marsh material. As well, a rounded metal garden trowel was used, along with a stainless steel steak knife, to make the extraction of the samples less difficult (Fig. 3.5). Each sample was stored in its own plastic container to transport the specimen from the field to the lab, and contained in a refrigerator until processed within 36 hours from the time of sampling. The three cores that were taken were collected prior to oiling from the marsh at low tide. A 10cm, metallic core sampler was used, as well as a trowel to extract the core from the root-bound marsh (Fig. 3.6).

**Fig. 3.4** <u>Scott surface marsh sampler</u>: dimensions- i.d.=3.5cm, o.d.=3.8cm, length=8-10cm. Notice serrated edge, which is inserted into marsh surface. Made from stainless steel tubing.

Source: Modified from Scott, 1977

Fig. 3.5 Extracting samples from experimental plots using corer, trowel and knife



Figure 3.6 Core sampler with trowel



#### **3.4 PROCESSING**

#### **3.4.1 Sediment Processing**

Following the sampling in the field, the samples were refrigerated in the lab at Dalhousie University until they were processed, within 36 hours of being extracted, to prevent fouling. During the processing, each sample was washed through a >500  $\mu$  sieve to concentrate and eliminate large debris, as well as through a >63  $\mu$  sieve (Fig. 3.7), to eliminate all silt and clay particles. As a result, only sand and larger organic particles were captured in the >63  $\mu$  sieve, including the desired foraminifera specimens. It has been demonstrated by previous researchers (e.g., Schröder et al., 1987) that up to 99% of the fauna can be lost using the >125  $\mu$  sieve instead of the 63  $\mu$  sieve in soft sediment samples. In the case of the oiled samples, a mild detergent was used to 'break up' clumps of consolidated mud, and to maintain a clean screen through which the samples were washed.

The final stage in processing involved the containment of the washed sample into a clean, sealed plastic container, with the addition of formaldehyde and Rose Bengal stain. The purpose of the addition of formaldehyde was to kill the specimens and fix the tissues so that the Rose Bengal could stain any of the formerly living tissue. The utilitarian technique of Rose Bengal stain was discovered by Walton (1952), and has since been used by foraminiferal specialists throughout the world to identify living foraminifera (Scott et al., 1999).

### **3.4.2 Photography**

Selected foraminifera were isolated and mounted on the imaging stage of the Dynaphot® Scanning Light microscope and were photographed using Fuji 64T color

35mm slide film, and images were then scanned and edited in Microsoft Photo Editor. These particular individuals were representative specimens of those species with the most severe deformities. Photographs of the experimental plots and the oiling and sampling process in the field were taken with a 35mm camera using Kodak film.





After: Scott et al., 2001

#### 3.4.3 Organic Matter

Because of the high concentration of organic matter present in salt marshes, for the purpose of this study, the washed residues were placed in alcohol and water for permanent storage and examination. It has been shown that highly organic residue, when dried, can consolidate like 'pancake mix', a phenomenon that causes individuals to mould together and is often irreversible (Scott et al., 2001).

#### **3.5 EXAMINATION**

### 3.5.1 Splitting

When a sample contains many thousands of individuals, as is the case in this study, it can be split into smaller equivalent sub-samples. Because the organic-rich samples required wet storage, they were split using a settling column splitter (Fig. 3.7), which is designed to divide the sample into eight equal divisions through the properties of water turbulence and settling gravity (Scott and Hermelin, 1993). One eighth of the sample was then observed under the microscope, and the values obtained were multiplied by eight to give a representative value for the entire sample. This technique has proven to be accurate to within 5% or less on most occasions (based on tests done by Scott and students over the last 10 years).

### 3.5.2 Counting and Identification

For the purposes of this study and statistical analysis, it has been shown that an adequate number to count is approximately 300 specimens, and that larger counts do not significantly improve accuracy. Once the samples had been split and concentrated in a petri dish, it became easier to identify and count the microfossil specimens using a

stereomicroscope, at magnifications of 20-60x. Each sample was carefully counted in this manner, and required great familiarity with the species involved. This technique does not require specimens to be picked out of the water and alcohol, which can be difficult to do with a fine #000 brush in organic rich sediments, reducing the time required to process the large number of samples taken for this experiment (Scott et al., 1999). Several photographic plates, textbooks and sample trays were used in the identification of the foraminiferal species found in the samples from Petpeswick Inlet. As well, background knowledge acquired from a micropaleontology course, which focused on foraminifera in the laboratory, assisted in the recognition and interpretation of the specimens observed.

#### **3.6 DATA PRESENTATION**

Data has been compiled and presented in Microsoft Excel spreadsheets and graphs. Total foraminiferal numbers including number of species, total living and total numbers, percentage abundance and deformations have been recorded within tables, along with salinity and temperature levels over the sampling period (Appendix A). The percent abundance of foraminiferal species was determined from the total number of individuals per 10cc sample. The relationships between living and total abundances, as well as the normal and deformed percentages, from the various species observed within the treated and control plots, are compared and discussed in chapters 4 and 5. No statistics were performed on the data because the graphical techniques used adequately showed exactly what took place within the plots because of the small scale of the experiment, and dealt with the concerns within the scope of the project.

The careful and lengthy analysis of foraminiferal assemblages was done to determine the total number of living and total (living plus dead) number of species (per 10cc), the total number living and total number (living plus dead) of individuals (per 10cc), the number of living and total (living plus dead) individuals for each species, as well as the number of living deformed and total (living plus dead) deformed individuals for each species.

The results were grouped into tables according to the six different treatments, ie: Treatment A (control plot with nutrient enrichment) through to Treatment F (oiled plot with nutrient enrichment and agricultural disking) for each of the three sets of treated plots (1, 2, and 3), over the twenty-two-week sampling period (Appendix A).

# **3.7 OTHER DATA**

The results from this study will be compared against those from previous work in the neighboring inlet, Chezzetcook Inlet, for a base comparison, in particular, from the work performed by Scott and Medioli, 1980b. The cores taken from the site of the experiment before the oil was spilled are compared with previous data obtained from Chezzetcook Inlet, to compare trends over time, for as far back as a 10cm core will show. For samples taken from oiled plots, the percentages of deformities and trends of living vs. total values are compared with those taken from the non-oiled plots, but also from previous data from Chezzetcook Inlet.

# **CHAPTER 4: RESULTS**

#### **4.1 WEEKLY RESULTS**

Following a schedule based on statistical design (as mentioned in Chapter 3), samples were taken from the eighteen plots over a twenty-two week sampling period. Two samples were taken from the experimental plots from week 0 to week 22. A total of 288 samples were taken over the entire sampling period, each of which was carefully analyzed for foraminiferal content.

#### **4.1.1 Description of Results Format**

Once each sample was counted, the data were put into tables using Microsoft Excel spreadsheets. The total living (L) and total (T) (living plus dead) number of species (per 10cc) and the total number of living (L) and total number (T) of individuals (per 10cc) are shown as whole numbers. The living (L) and total (T) values for each individual species are shown as relative percentages, so the results can be comparable with previous work. More specifically, the number of living individuals (L) for each species was divided by the total number of living individuals (T) for the entire sample, and divided by 100. The total number of individuals (T) (living plus dead) for that sample, and divided by 100.

For those species with a significant number of deformed specimens, the number of living deformed individuals (Ld) for each species was divided by the number of living (L) individuals for that species and not for the entire sample. This is because the total values were too high to divide by to show any significant impact of deformation within the individual species. Similarly, the total number of deformed individuals (Td) (living

plus dead) for each species was divided by the total number of individuals (T) of that species, and not for the entire sample.

Based on the foraminiferal analysis, there was a maximum of twelve different species present in the top one centimeter of the samples collected from the plots within the intertidal marsh zone, each of which were observed to have living representatives throughout. These include: *Eggellera advena, Elphidium excavatum, Glomospira gordialis, Miliammina fusca, Pseudothurammina limnetis,* Thecamoebians, *Tiphotrochammina comprimata, Trochammina inflata, Trochammina macrescens f., Trochammina macrescens f. polystoma*, and *Trochammina ochracea*, as well as inner linings.

While not all of these species were present in each of the samples, results show that the two most common species were *Trochammina macrescens f. polystoma* and *Miliammina fusca* within each plot over the entire sampling period. Furthermore, it was within these two species that deformities were most common, as shown in Tables 1-9 (Appendix 1), with respect to living deformed (Ld) and total deformed (Td) occurrences. In some cases, several of the *Miliammina fusca* and *Trochammina macrescens f. polystoma* were black as a result of the oil, in both the living and dead individuals present (as well as in both the normal and deformed individuals). As mentioned earlier, as few as 10% of the total population being deformed specimens suggests a contaminated environment (Scott et al., 2001), and that a relatively high number of species exhibiting deformities, particularly at percentages well above background values, indicates polluted surroundings (Boltovskoy et al., 1991). For these reasons, although there was a significant percentage of *Trochammina macrescens f. polystoma*, the percentage of

deformities within this species was not sufficiently high enough to be significant for the purpose of this study. On the other hand, the percentage of deformities within *Miliammina fusca* throughout the study period was noticeably high (Appendix 1, Tables 1-9), especially in the oiled plots. Therefore, these values were plotted in graphs to show variability throughout the sampling period, in response to the various environmental stresses (natural parameters, oil and *in situ* treatments) (Fig. 4.1-4.18).

For those dates where two samples were taken and analyzed from each plot, observations show that there was variability between values within the same plot, so that there was a maximum and minimum value for each count. This was dealt with by plotting all minimum values together on graphs (shown as dashed lines in Fig. 4.1 - 4.18), and all maximum values together (shown as solid lines in Fig. 4.1 - 4.18), distinct from each other. Vertical lines were used to show the range between the maximum and minimum values for each sampling week. For week 0 and week 22 there is only one data point.

### 4.1.2 Foraminifera

The results were analyzed based on the three sets of six treatments (Treatment A through F). The foraminiferal occurrences within the three blocks are discussed based on the graphs described above (Fig. 4.1- 4.18). As mentioned earlier, *Miliammina fusca* is the species that showed significant deformation (Fig. 4.19), and so for the purpose of this report, this species will be discussed in detail and not the others. It should be noted that where percentages of *M. fusca* are discussed (both living and total), the values that are not shown that make up the rest of the 100% are accounted for in tables 1-9 in Appendix 1 (such as *Trochammina macrescens f. polystoma*, which occur in large amounts).

## 4.1.2.1 Treatment A- Control plot with nutrient enrichment (no oil)

### • Number of living individuals and total number of individuals

Within the three control plots treated with nutrient enrichment and no oil (Treatment A), values for the number of living individuals per 10cc show similar trends (Fig. 4.1-4.3). The number of living individuals increases from values of less than 2000/10cc after the first week in all three plots (1,2, and 3), remaining relatively high until the end of the sampling period (always >3000/10cc by week 22).

In plot 1, the maximum number of living individuals increases to 3000/10cc by week 3 before decreasing slightly to 2500/10cc, then climbs again to a peak of >4000/10cc by week 8. This is followed by another decrease to 2000/10cc by week 10, and then an increase back up to >3000/10cc where it levels out until week 22. The minimum number of living increases more slowly from week 0 to week 8, reaching a peak of 4000/10cc, and then follows the same pattern as the maximum values, with very little variability (Fig. 4.1).

The number of living individuals for Plot 2, Treatment A, (Fig. 4.2) starts off at  $\sim$ 1700/10cc at week 0 and gradually climbs to a maximum value of 3500/10cc by week 5, where it dips down to 2500/10cc before climbing to a peak of  $\sim$ 4200/10cc by week 18, and decreases again by week 22 to  $\sim$ 3800/10cc. Minimum values increase from  $\sim$ 1700 in week 0 to 2500/10cc by week 3, followed by a decrease to <2000/10cc by week 5, after which values increase to 3000/10cc by week 8. Values then decrease again to 1500/10cc by week 14, where they match the increase of maximum values to a peak of  $\sim$ 4000/10cc by week 18. The variability between maximum and minimum values is small. This is the case for the number of living individuals present in plot 3, where there is an increase

from ~1700/10cc in week 0 to a peak of 6000/10cc for minimum values and a peak >8000/10cc for maximum values by week 3. At week 8 there is a low of ~4000/10cc, followed by a gradual increase to ~7500/10cc by week 14, after which values remain stable and high. Very similar trends occur for the total number of individuals per 10cc for each case mentioned above within the three plots (Fig. 4.1-4.3).

### • Percent Miliammina fusca

In each plot with Treatment A, there is an increase in both the percent living (L) and total (T) *M. fusca*, following week 0. In Plot 1, maximum values of percent living *M. fusca* climb from <5% to ~27% by week 1, and decrease after week 3 to a low of ~11% by week 10, followed by an increase to ~33% by week 14, after which values decrease to almost 0% by week 22. Minimum values remain quite low, increasing from <5% to ~12% by week 5, after which values decrease to ~5% and remain constant until week 22. Similarly, for the total percent *M. fusca*, values start off at ~15% at week 0 and climb to a maximum value of >30% by week 3, followed by a decrease to ~12% by week 10. There is another peak for maximum values to >30% by week 14, after which values drop off to a low of almost 0 by week 22. Minimum values for total percent *M. fusca* show some variability, where they decrease from ~15% at week 0 to ~2% by week 1, followed by a slight increase to >10% by week 5 and then remain fairly constant at ~5% until week 22.

Of the *M. fusca* present in Plot 1, Treatment A, the percent living deformed (Ld) and total deformed (Td) decreases from 20% and  $\sim$ 7% respectively from week 0 to 0% by week 1 (Fig. 4.1). In both cases, values increase to 7.5% and 5% respectively by week 3, after which there is a decrease until week 8. For percent living deformed, values increase from  $\sim$ 7% at week 8 to a maximum of 10% by week 10, after which values

decline to 0% by week 22. For percent total deformed, values increase to  $\sim$ 4% by week 10, and decline to 0% by week 22 as well. Minimum values in both cases are only slightly variable, and often at 0% (Fig. 4.1-4.3).

Similar to Plot 1, Treatment A, percent living *M. fusca* within Plot 2 increases after week 0, from a low of ~2% to a maximum of ~17% by week 5 (Fig. 4.2). After this, values decrease to ~12% by week 8, followed by another peak of ~17% by week 10, another dip to ~7% by week 14, another peak to ~12% by week 18, and decrease to 5% by week 22. Minimum values are more stable, increasing from ~2% at week 0 to a peak of ~10% by week 3, followed by a steady and gradual decrease to values of ~7% from week 5 to week 10, and to ~4% by week 14.

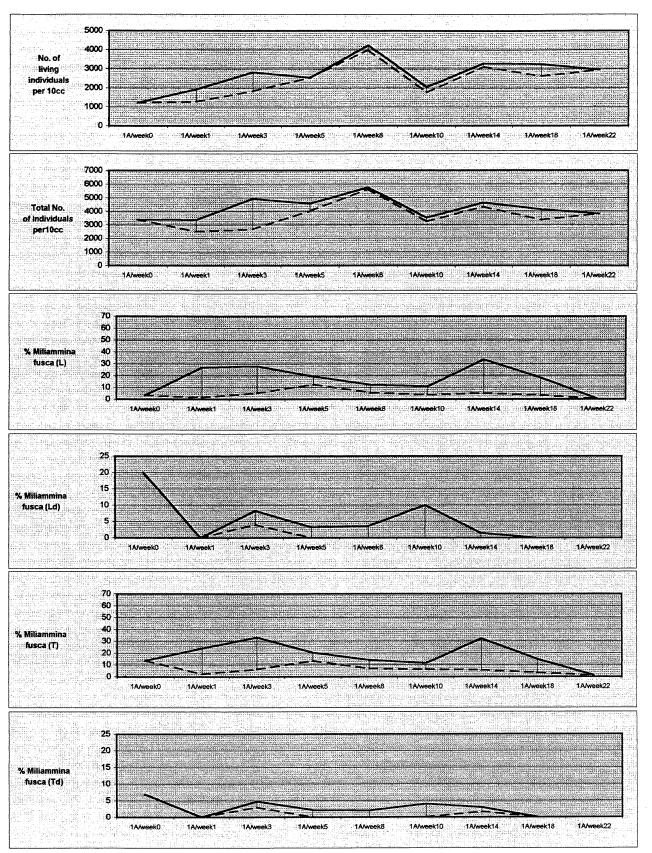
Percent living deformed (Ld) and total deformed (Td) in Plot 2, Treatment A, of *M. fusca*, increases from 0% after week 1 to a maximum value of 22% and 10% respectively, after which values decrease again to 0% by week 8. In both cases, there is a slight increase by week 10 followed by another decrease to 0% by week 14,after which values increase slightly but remain below 3% until week 22, where they reach 0% again.

Values of percent living and total *M. fusca* within Plot 3, Treatment A, are the most prominent of the three plots, never going below 25% (Fig. 4.3). Percent living increase from 25% at week 0 to >60% by week 5, followed by a slight decrease to 50% by week 10, and another to 40% by week 18, followed by a sharp increase to >60% by week 22. Minimum values are similar, ranging from a low of 25% at week 0 to a high of ~58% by week 3, followed by a decrease to ~35% by week 8, an increase to 50% by week 10 and a decrease to 35% by week 14, increasing again to 40% by week 18.

Figure 4.1

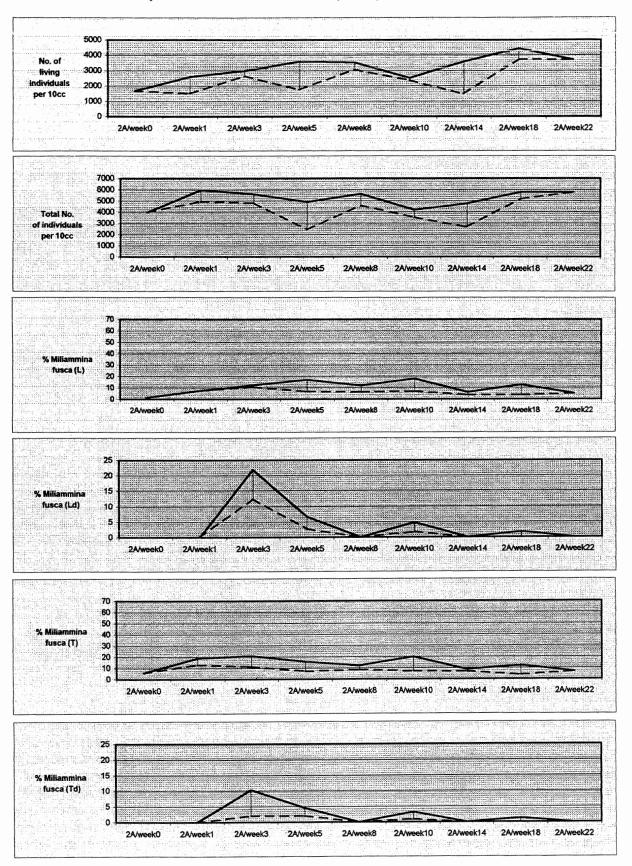
Foraminiferal occurrences for Treatment A (Control plot with nutrient enrichment; no oil), Plot 1, from week 0 to week 22. Solid lines represent maximum values, dashed lines represent minimum values, vertical lines are used to show range between representative samples for each week. L= living, T= total (living plus dead), Ld= living deformed, Td= total (living plus dead) deformed. Note: y-axis scale variable. Percentages appearing along the y-axis for living and total *M. fusca* represent the percentage out of living and total numbers for all species. Percentages appearing along the y-axis for living deformed and total deformed *M. fusca* represent the percentage out of the living and total *M. fusca* only.

# Figure 4.1 Treatment A- Control plot with nutrient enrichment (no oil)



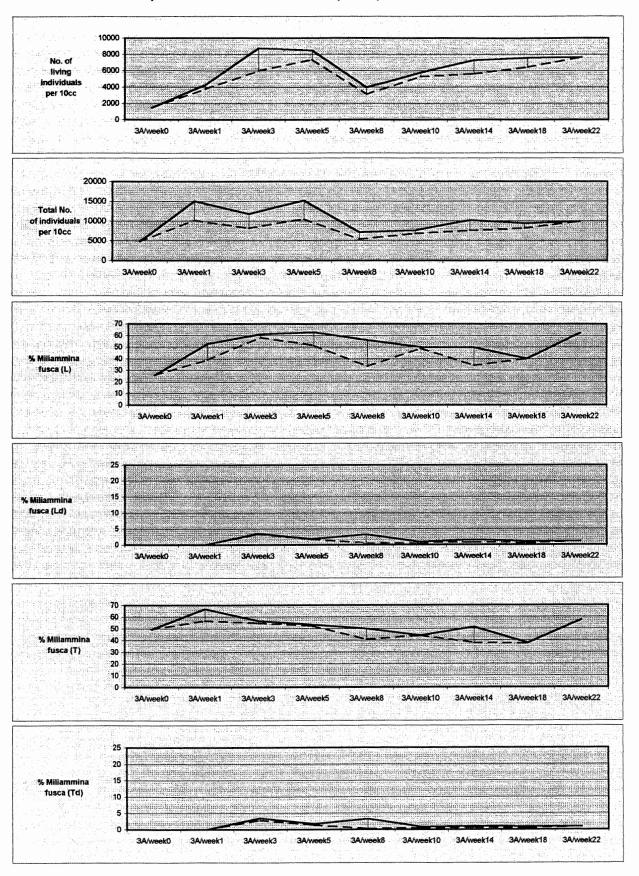
**Figure 4.2** Foraminiferal occurrences for Treatment A (Control plot with nutrient enrichment; no oil), Plot 2, from week 0 to week 22. Same format as Figure 4.1.

### Figure 4.2 Treatment A- Control plot with nutrient enrichment (no oil)



**Figure 4.3** Foraminiferal occurrences for Treatment A (Control plot with nutrient enrichment; no oil), Plot 3, from week 0 to week 22. Same format as Figure 4.1.

## Figure 4.3 Treatment A- Control plot with nutrient enrichment (no oil)



Percent living deformed (Ld) and total deformed (Td) in Plot 3, Treatment A, of the percentages of *M. fusca* present are very low. Initially at 0%, values increase to a maximum of only 3.5% by week 3 in both cases, and fluctuate up and down between <2% and >3%, until they reach 1% by week 8 and remain fairly constant. In both cases, where there was a peak in maximum values by week 8, minimum values remained quite low (<1%), and are otherwise not variable (Fig. 4.3).

## 4.1.2.2 Treatment B- Control plot without nutrient enrichment (no oil)

### • Number of living individuals and total number of individuals

The number of living and the total number of individuals within the three plots without nutrient enrichment and without oil (Treatment B), all show similar results; increasing from low values (~1000/10cc) after week 0 to maximum values of at least 3500/10cc (Fig. 4.4-4.6). In Plot 1, Treatment B (Fig. 4.4), the number of living individuals starts off low (1000/10cc at week 0), and increases to ~3800/10cc by week 8, after which values decrease to ~2200/10cc by week 14, and increase again to a maximum value of 3500/10cc by week 22. Similarly, minimum values increase from 1000/10cc at week 0 and climb to ~2000/10cc and remain constant until week 8 where values peak to ~3200/10cc, and decrease again to a low of 1000/10cc by week 18, increasing to a maximum value of 3500/10cc by week 22. The total number of individuals follows very similar trends, with a range of values between 1500/10cc and 5300/10cc. Variability between maximum and minimum values is fairly significant.

In Plot 2 (Fig. 4.5) of Treatment B, the maximum number of living individuals increases from <1000/10cc to >3000/10cc from week 0 to week 5, and remains constant until week 10, after which values decrease to  $\sim2500/10cc$  by week 14. This number

remains constant until after week 18, increasing to 4500/10cc by week 22. Minimum values are variable, increasing from ~1000/10cc at week 0 to only ~1500/10cc by week 3, and decrease to 1000/10cc by week 5, then increasing to ~3000/10cc by week 8. After week 8, values decrease gradually to ~1800/10cc by week 14, and remain constant until a peak of 4500/10cc by week 22. The results for the total number of individuals per 10cc follow very similar trends, with a range of values from 1500/10cc to >6000/10cc.

The number of living individuals in Plot 3, Treatment B (Fig. 4.6) increases from 200/10cc to 4000/10cc by week 5, and then ranges between 2800/10cc (week 14) to 4000/10cc (week 18) to 2200/10cc (week 22). Variability between maximum and minimum values is fairly consistent, with a difference of ~800/10cc. The values for the total number of individuals within Plot 3 follow similar trends, increasing from 2000/10cc to 6000/10cc by week 1, after which values remain consistently high at ~5300/10cc until week 10, decrease to ~4200/10cc, and then peak again to 5500/10cc at week 18, declining to ~3200/10cc by week 22. Variability between maximum and minimum values is fairly consistent as well, with a difference of ~ 1500/10cc.

### • Percent Miliammina fusca

The percent living (L) *M. fusca* within each of the Treatment B plots is fairly low, at values less than 25%, and showing a slight decrease following week 0, followed by an increase. In Plot 1 (Fig. 4.4), maximum values of percent living *M. fusca* decline from 10% at week 0 to ~6% by week 1, after which they climb to ~14% by week 8, declining again to ~11% by week 10, and then climbing to a maximum value of ~18%. Values decrease again at week 18 to ~12% and then climb again to ~16% by week 22. Minimum values remain quite low, decreasing from <10% at week 0 to ~3% by week 1, then climbing again to ~11% by week 5, and decline to ~4% by week 10. They remain below 10% until week 18, after which they increase to >15% by week 22. For the total percent *M. fusca* in Plot 1 (Fig. 4.4), values start off at <15% at week 0 and remain constant until week 3, where maximum values increase to 20%, decline again to ~13% by week 8, and climbing back up to a peak at >25% by week 14, followed by a drop to ~12% by week 18. Values increase again slightly to 15% by week 22. Minimum values for total percent *M. fusca* remain fairly low, and range between 5 and 12%.

Percent living deformed (Ld) and total deformed (Td) of overall *M. fusca* present in Plot 1, Treatment B, decrease from 25% and 13% respectively at week 0 to 0% by week 1 (Fig. 4.4). For percent living deformed, values remain at 0% until week 8, when there is an increase to  $\sim$ 22% by week 10, and then a sharp decline to 4% by week 14, and then to 0% by week 18. There is a slight increase in values by week 22, but below 3%. Results for percent total deformed, trends are the same, with the maximum value at week 0 being 13%, and the second peak at week 10 being 8%.

Similar to Plot 1, Treatment B, percent living *M. fusca* within Plot 2 (Fig. 4.5) begin low (<5%), and remain low until week 3 when values climb to a peak of ~12%. After this, values decrease to ~4% by week 14, followed by another peak of ~12% by week 18, and decline again to <5% by week 22. Minimum values are more stable, and remain between 2 and 5%, with a peak of 7% at week 18. Percent total values follow very similar trends, ranging from <5% to ~13%.

Percent living deformed (Ld) and total deformed (Td) of the overall percentage living and percent total *M. fusca* in Plot 2, Treatment B, are fairly low (Fig. 4.5). Values are at 0% until week 1, after which there is an increase to 8% and 5% accordingly. This

peak is followed by a decrease in values in both cases, and by week 8, percent living deformed has reached 0%, increasing again after week 14 to 5% by week 18 and decreasing again to 0% by week 22. Percent total deformed values decrease to 0% by week 10, and increase to  $\sim$ 5% by week 18, and return to 0% by week 22 as well. Variability is small between maximum and minimum values, significant only at the peaks at week 3 and week 18, where minimum values remain at 0%.

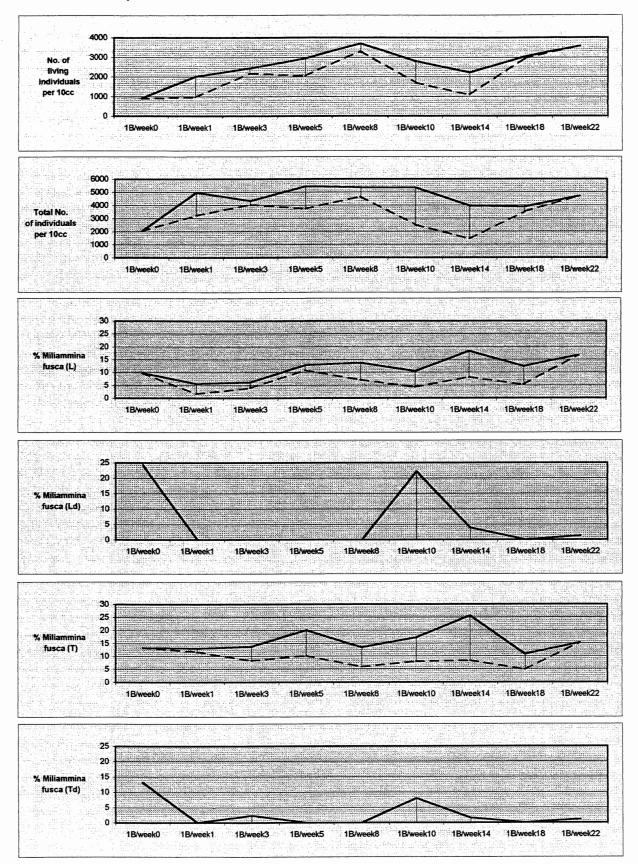
Similar to Plot 1 and 2, Treatment B, the percent of living and total *M. fusca* in Plot 3 decreases after week 0, (Fig. 4.6). The values of percent living decrease from <15% to >5% by week 1, and then increase gradually to a maximum value of  $\sim22\%$  by week 18, after which values drop to  $\sim7\%$  by week 22. Minimum values follow a similar pattern, with a range of values between 7-12%, and while the maximum value increases at week 18, the minimum value decreases to  $\sim5\%$ . The percent total trend is similar, decreasing from  $\sim27\%$  at week 0 to  $\sim12\%$  by week 1, then increasing from week 8 to week 14, reaching a maximum value of  $\sim22\%$  before declining to 5% by week 22.

The percent living deformed and percent total deformed of the *M. fusca* present in Plot 3, Treatment B, shows an increase following week 0, and then sharply declines and remains fairly low, until increasing again at week 22. The percent living deformed increases from 0% at week 0 to  $\sim$ 13% by week 1, and then declines to less than 5% for the remainder of the sampling period, with a slight increase at week 22 to 5%. Similarly, the percent total deformed increases from 0 to 7% by week 1, but then remains below 5% for the rest of the weeks, increasing only slightly at week 22.

**Figure 4.4** Foraminiferal occurrences for Treatment B (Control plot without nutrient enrichment; no oil), Plot 1, from week 0 to week 22. Same format as Figure 4.1.

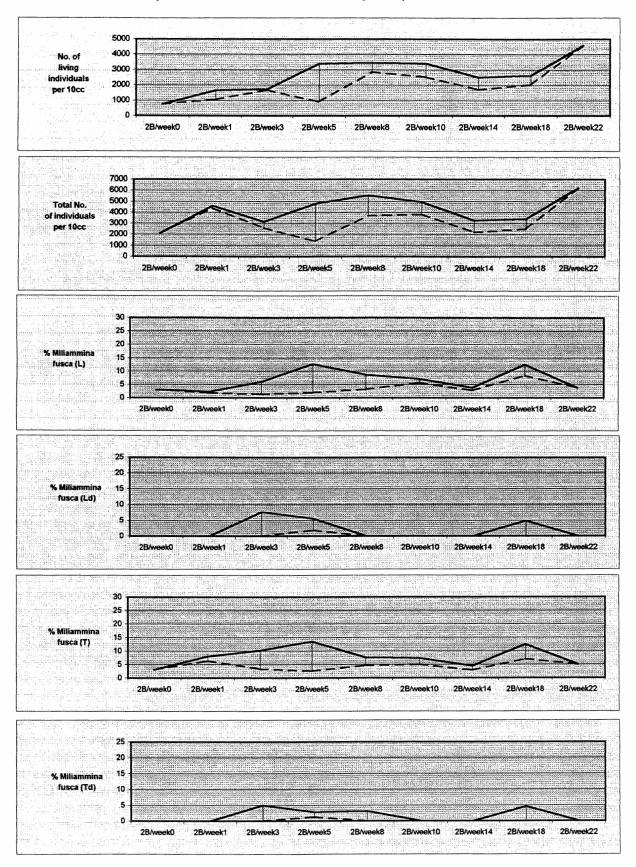
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# Figure 4.4 Treatment B- Control plot without nutrient enrichment (no oil)



**Figure 4.5** Foraminiferal occurrences for Treatment B (Control plot without nutrient enrichment; no oil), Plot 2, from week 0 to week 22. Same format as Figure 4.1.

# Figure 4.5 Treatment B- Control plot without nutrient enrichment (no oil)

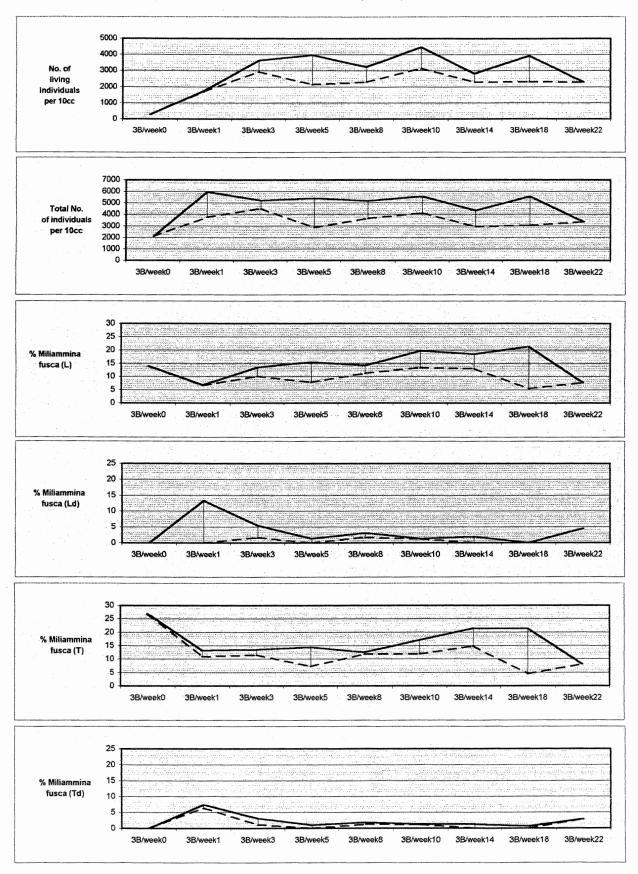


**Figure 4.6** Foraminiferal occurrences for Treatment B (Control plot without nutrient enrichment; no oil), Plot 3, from week 0 to week 22. Same format as Figure 4.1.

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## Figure 4.6 Treatment B- Control plot without nutrient enrichment (no oil)



#### 4.1.2.3 Treatment C – Oiled plot with no treatments (natural attenuation)

### • Number of living individuals and total number of individuals

The number of living individuals and the total number of individuals within Plots 1,2 and 3 that were treated with Treatment C, all show an increase from the first week, followed by varying degrees of variability (Fig. 4.7-4.9). Within Plot 1, the number of living individuals quadruples from week 0 (<2000/10cc) to week 1 (>8000/10cc), and then reduces by half by week 3 (4000/10cc), after which values remain relatively stable until week 14, where values decrease to ~3000/10cc, and then climb back to ~3800/10cc by week 22. Similarly, the total number of individuals climbs from 4000/10cc in week 0 to >12000/10cc, after which values decrease to ~8000/10cc, where they remain relatively constant until a slight decrease by week 10, and then a slight increase by week 22 (reaching ~9000/10cc). Minimum values are more stable in both cases, and where maximum values reach their peak by week 1, minimum values remain lower, ranging overall between 1000/10cc and 4000/10cc for the number of living individuals, and between <4000/10cc and 8000/10cc for total number of individuals (Fig. 4.7).

For Plot 2, Treatment C, the number of living individuals increases from <1500/10cc to >3000/10cc by week 1, after which values decrease to ~2100/10cc by week 3, climbing again to a maximum of 4500/10cc by week 5. Values then decrease to <3000/10cc, where they plateau until week 18, after which they drop to ~1700/10cc by week 22. At the same time, maximum values for the total number of individuals increase from 3000/10cc to 7000/10cc by week 1, followed by a decline to 3800/10cc by week 3, and then increase to 6000/10cc by week 5. After this, values decrease to 4000/10cc by week 10 and remain relatively constant until a slight decline to ~3800/10cc by week 22.

Variability is greatest at week 1, where maximum values reach a peak of 3000/10cc for living individuals and 7000/10cc for total individuals, and minimum values remain lower at ~1500/10cc and ~3700/10cc respectively (Fig. 4.8).

Plot 3, Treatment C, has the lowest of values within the three plots, but shows similar trends (Fig. 4.9). The number of living individuals increases from 1500/10cc to 3500/10cc by week 3, and decreases to <3000/10cc by week 5, followed by a peak at >4000/10cc by week 8. Following this peak, values decline to  $\sim2000/10cc$  by week 14, then climb again to >3000/10cc before descending to a low of  $\sim400/10cc$  by week 22. The total number of individuals follows a similar trend, where the initial value of 4000/10cc increases to 6500/10cc by week 1, and then decreases to <4000/10cc by week 5. This is followed by an increase to 6000/10cc by week 8, and then values decrease to  $\sim3000/10cc$  before increasing again to  $\sim6000/10cc$  by week 18, and then decreasing to <4000/10cc by week 22. Minimum values are not significantly variable, except for week 1 for living individuals, where the maximum value climbs to 3000/10cc and the minimum value decreases to 1000/10cc.

## • Percent Miliammina fusca

The percentage of *M. fusca* (living and total) within the three plots treated with Treatment C is fairly significant, but most noticeably within Plot 1. In each of the plots, percentages (living and total) are markedly high. In Plot 1, maximum values start off fairly high, at 55% for percent living and 65% for percent total, decreasing to a low by week 3 at 25% and 35% respectively, while minimum values go as low as 15% and 20%. These values increase to a peak at week 5, with a maximum value of ~47% for percent living and percent total, followed by another decrease to a new low by week 10, at ~25%

in both cases (Fig. 4.7). Values increase again to a maximum value of 45 for percent living and >55% for percent total by week 18, after which values decrease to 15% for percent living and <35% for percent total.

The percent of living deformed (Ld) and total deformed (Td) of the living and total *M. fusca* within Plot 1, Treatment C, both follow a similar trend. Starting off well below 10%, both maximum curves increase to 40% by week 1. After this, values decrease to a maximum value of 15% and a minimum value of ~2% within the percent living deformed by week 5. Values rise again to a maximum of ~22% by week 10, declining to 10% by week 14, rising again to 25% by week 18, and decreasing to <10% again by week 22. After the peak in week 1 in percent total deformed, values decrease to ~15% and remain fairly consistent until a slight decrease at week 14 (10%), and then a small increase to 13% by week 18, decreasing again to 5% by week 22.

Values of percent living and percent total *M. fusca* within Plot 2 (Fig. 4.8) and Plot 3, Treatment C, are lower than those in Plot 1. Starting off at >10% in week 0, values for percent living in Plot 2 increase to a maximum of >20% by week 5, and then decrease to ~12% by week 8, after which values climb and plateau at 15% until a slight increase at week 17% for maximum values, and a slight decrease for minimum values of <10%, reaching 12.5% by week 22. For percent total in Plot 2, values decrease from week 0 (23%) to ~12% by week 8 and remain low (between 10 and 20%) through to week 22.

Again, percent living deformed and percent total deformed *M. fusca* within Plot 2 increase from low values to a maximum value by week 1, followed by a decline. For percent living deformed, values start at 10% and reach a high of 45% by week 1,

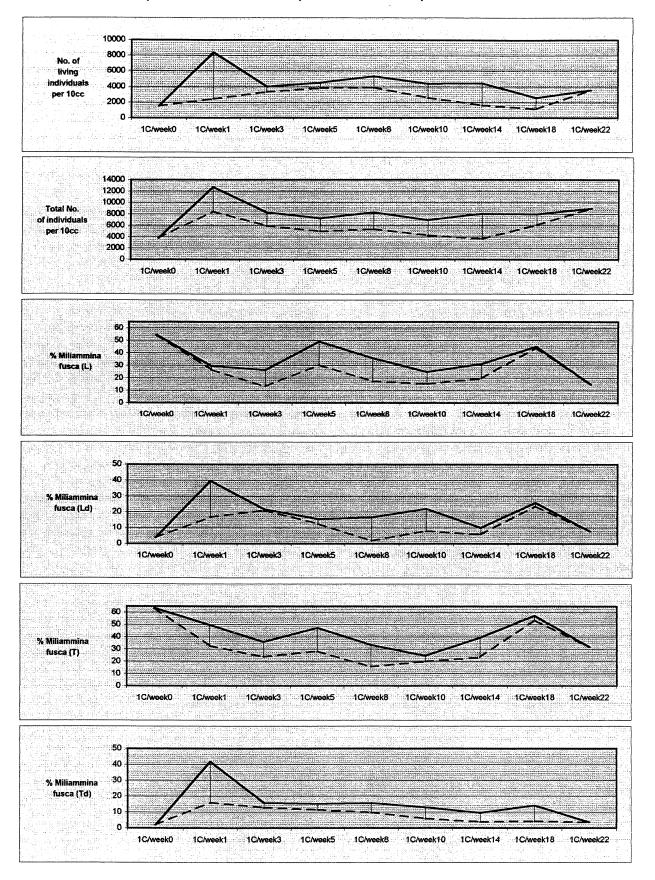
dropping down to 15% by week 3, and then stabilizing between 12 and 22% until week 18, where minimum values reach 0% and maximum values climb to 35% by week 22. Percent total values also increase, from 5% to 30% by week 1, and then decrease and remain between 5 and 18% for the remainder of the sampling period (Fig. 4.8).

Within the third plot, Treatment C (Fig. 4.9), the maximum values for percent living *M. fusca* increase from 15% at week 0 to 27% by week 8, and then decline to 15% by week 10, before peaking again to ~27% and then decreasing to a low of ~7% by week 22. Minimum values are more variable, whereby they decrease from week 0 to a low of <5% by week 1, and then slowly climb to reach 15% by week 10 and 14, decreasing again by week 18. The percent total values start off fairly high (33%) and decline to ~15% (or a minimum of 5%) by week 3, after which values climb again to reach a maximum of 25% and a minimum of 10% by week 8, and maximum values decrease again to 12% by week 18, and then increase to a maximum of 37% by week 22.

Percent living deformed and percent total deformed *M. fusca* within Plot 3, Treatment C, are variable. Values for percent living deformed start at 0% and increase to 25% by the first week, after which they decrease to 5% by week 3 and remain between 5 and 15% until a significant increase to 50% by week 22, similar to that of the peak in week 22 within the percent total *M. fusca*. On the other hand, while percent total deformed values start off at 0% and increase to 20% by week 1, they decline to 5% by week 3, and then increase again to >20% by week 5, decreasing again to <5% by week 10. There is another peak in values at week 14 (to 15%), followed by a decrease in values to almost 0% by week 22.

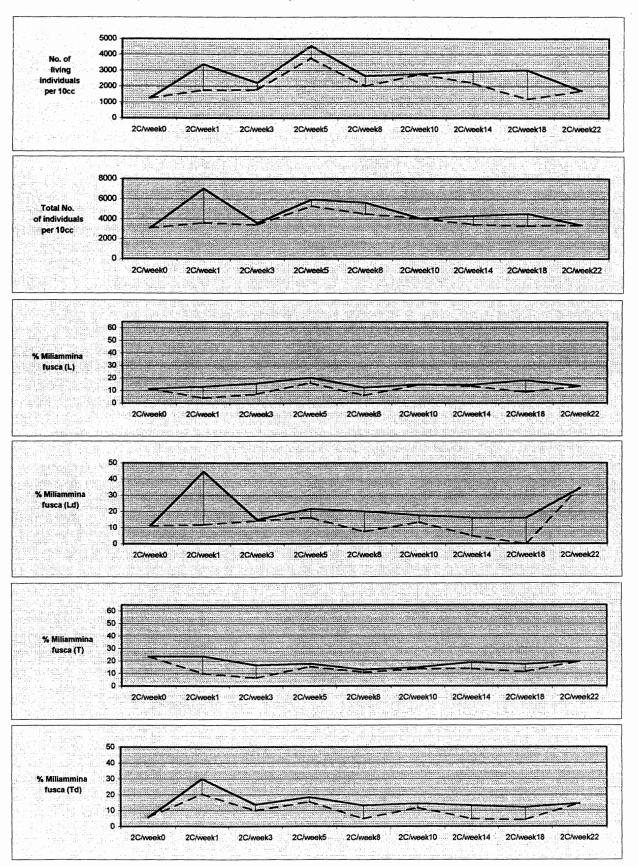
**Figure 4.7** Foraminiferal occurrences for Treatment C (Oiled plot without treatments; natural attenuation), Plot 1, from week 0 to week 22. Same format as Figure 4.1.

## Figure 4.7 Treatment C- Oiled plot without treatments (natural attenuation)



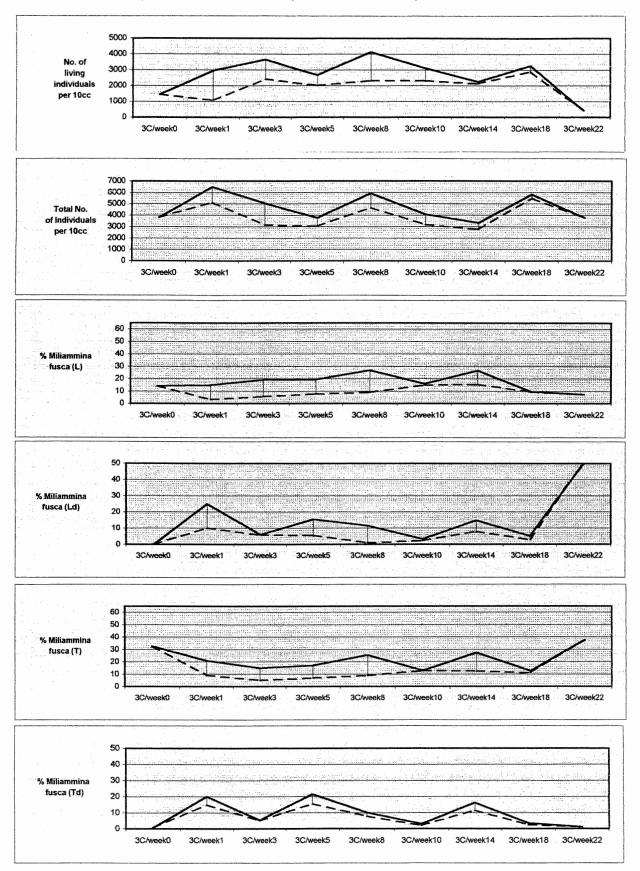
**Figure 4.8** Foraminiferal occurrences for Treatment C (Oiled plot without treatments; natural attenuation), Plot 2, from week 0 to week 22. Same format as Figure 4.1.

# Figure 4.8 Treatment C- Oiled plot without treatments (natural attenuation)



**Figure 4.9** Foraminiferal occurrences for Treatment C (Oiled plot without treatments; natural attenuation), Plot 3, from week 0 to week 22. Same format as Figure 4.1.

# Figure 4.9 Treatment C- Oiled plot without treatments (natural attenuation)



#### 4.1.2.4 Treatment D- Oiled plot with nutrient enrichment

#### • Number of living individuals and total number of individuals

The number of living individuals and the total number of individuals within plots 1, 2 and 3 with Treatment D (oiled plot with nutrient enrichment), have fairly high values, ranging from ~500/10cc to >5000/10cc living and total (Fig. 4.10-4.13). In Plot 1, Treatment D, maximum values of living individuals increase from 750/10cc to 2200/10cc by week 1, and then decline to almost half by week 3 (1300/10cc), while minimum values remain quite low (500/10cc) until week 5, where they double to 1000/10cc. Values then decrease again to <500/10cc by week 10, rising to >1000/10cc by week 14 and then to 2300/10cc by week 22. Maximum values increase from 1300/10cc to 1600/10cc by week 5, and then decline to ~800/10cc by week 8, doubling to 1600/10cc by week 10, and then decreasing to 1000/10cc by week 18. There is a peak by week 22 to 2300/10cc. The total number of individuals for Plot 1 show very similar trends, starting off at ~1500/10cc at week 0, and peaking to a maximum of 4200/10cc by week 1 (minimum values remain low at ~1500/10cc), reaching the second peak by week 22 of 4000/10cc.

Within Plot 2, Treatment D, values increase more gradually from week 0 (Fig. 4.11). The maximum number of living individuals increases from >1000/10cc to >3500/10cc by week 5, and then decreases to 2200/10cc by week 10, climbing to a second peak by week 18 (<3000/10cc), before decreasing to  $\sim$ 1200/10cc by week 22. Minimum values are more stable, increasing only slightly, and remaining between 1700-2000/10cc for most of the sampling period. Values for the total number of individuals also increase from week 0 to week 3 (<3000/10cc to >5000/10cc), decreasing at week 5

to 4000/10cc, and then increasing to 5000/10cc by week 8. Values decrease again to 3000/10cc by week 10, and then gradually increase to 4500/10cc by week 18, where they level off, not showing the decrease at week 22 for the number of living individuals.

Within Plot 3, Treatment D, values are more variable (Fig. 4.12). Starting off at 500/10cc at week 0, the maximum number of living individuals increases to  $\sim$ 2700/10cc by week 3, where they plateau until after week 5, decreasing to  $\sim$ 1500/10cc by week 8. Values climb again to  $\sim$ 2700/10cc by week 10, then fall to  $\sim$ 1200/10cc by week 14, and slowly rise to <2000/10cc by week 22. Minimum values are less variable, increasing from week 0 to only  $\sim$ 2000/10cc by week 5, and remaining between <1000/10cc and 1500/10cc. The maximum values for the total number of individuals increase from 1000/10cc at week 0 to 4000/10cc by week 1, where they plateau until week 14, after which values decline to  $\sim$ 2000/10cc, climbing again to 3000/10cc by week 22. Minimum values are also stable, remaining between 1500 and 2500/10cc by week 22. Minimum values are also stable, remaining between 1500 and 2500/10cc by week 20.

#### • Percent Miliammina fusca

Values for percent living and percent total *M. fusca* present in Plots 1, 2 and 3, Treatment D, are variable, showing different trends relative to each other, but each containing a fairly significant amount of deformities. Within Plot 1, Treatment D, values for both percent living and percent total show a steady increase from week 0 to week 22. In both cases, maximum values start at almost 0% and climb to ~20%, where they increase very gradually to ~30%, declining slightly at week 14 for percent living and at week 18 for percent total, before peaking to ~40% by week 22. Minimum values follow a similar trend, ranging between ~2-12%.

The percent living deformed and percent total deformed of the *M. fusca* within Plot 1, Treatment D, also increases after week 0, and then becomes more stable (Fig. 4.10). Maximum values in both cases increase from 0% at week 0 to >20% by week 1, then remain between 18 and 22% until week 8, after which values decrease to ~10% by week 10 and week 14. This decrease is followed by an increase to ~25% by week 18, and then a decrease to <10% by week 22, where there had been a peak for the percent living and percent total *M. fusca*. Minimum values are more variable, ranging between 0 and 20%, with an average difference of ~10% between the maximum values (Fig. 4.10).

Within Plot 2, Treatment D, results are more variable (Fig. 4.11). The values of percent living *M. fusca* start off at ~15% at week 0, and maximum values increase to ~40% by week 3, start to decline again after week 8 to ~22% by week 14, increasing to >30% by week 18, before decreasing again to ~15% by week 22. Minimum values decrease from week 0 to ~5% by week 1, before increasing to >20% by week 3, where they remain relatively stable until decreasing to ~10% by week 14. The percent total *M. fusca* is different in that both maximum and minimum values decrease from week 0 (<40%) to a minimum of 15% by week 1, and a maximum of ~35. Values then increase to a minimum of ~28% and a maximum of ~45%, before declining again to a low by week 14 (minimum of ~11% and maximum of ~28%). Maximum values increase again by week 18 to ~35%, before decreasing to ~25% by week 22, similar to the dip displayed by percent living *M. fusca*.

Percent living deformed and percent total deformed within *M. fusca*, Plot 2, Treatment D, is fairly high, with maximum values remaining above 10% (Fig. 4.11). For both percentages, values increase from 0% at week 0 to  $\sim$ 25% by week 1, after which

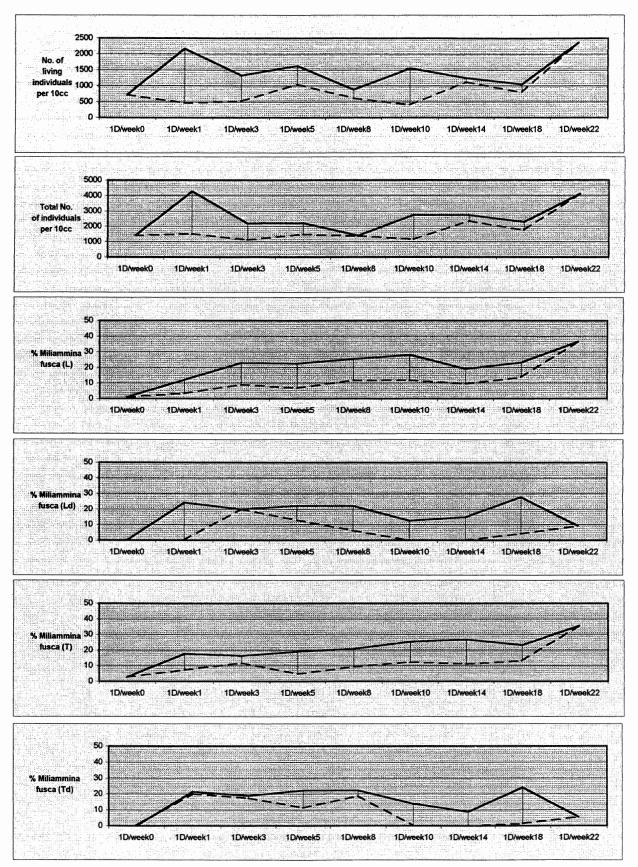
values decrease and remain between 18-22% until week 8, after which values decrease further. For percent living deformed, values decline to ~12% by week 10, then increase to~17%, decrease again, and then increase to a significant peak of ~27% by week 22. The variability between maximum and minimum values is fairly significant, with an average difference of ~10%. For percent total deformed, after week 8, values decline consistently to <10% by week 18 and level out. In this case, there is less variability between maximum and minimum values.

Values for percentages of *M. fusca* within Plot 3, Treatment D, are different still (Fig. 4.12). The percent living starts off at <20% and decreases to ~10% by week 1. Maximum values then climb to >25% by week 3 and fluctuate between 20 and 25% until reaching a low of ~12% by week 10. This is followed by an increase to a maximum of >30% by week 14, dropping again to ~17% by week 18, and then climbing back up to ~25% by week 22. Minimum values are much more stable, and after week 3, climb very gradually to 15% by week 14, then drop to <10% by week 18, climbing back up by week 22.

The total percent *M. fusca* for Plot 3 starts off at >20%, and maximum values remain around 20% until after week 5, where values increase to >35%, then decline again to a low of 10% by week 10. Values increase again to ~30% by week 14, decreasing to ~15% by week 18, and then climb again to >20% by week 22. Minimum values decrease after week 0, reaching ~5% by week 3, and increasing after week 5 to 15% by week 8, after which they decrease to <10% before climbing again to ~30% by week 14, and similar to the maximum values, decreasing to 10% by week 18 before climbing back up to >20% by week 22.

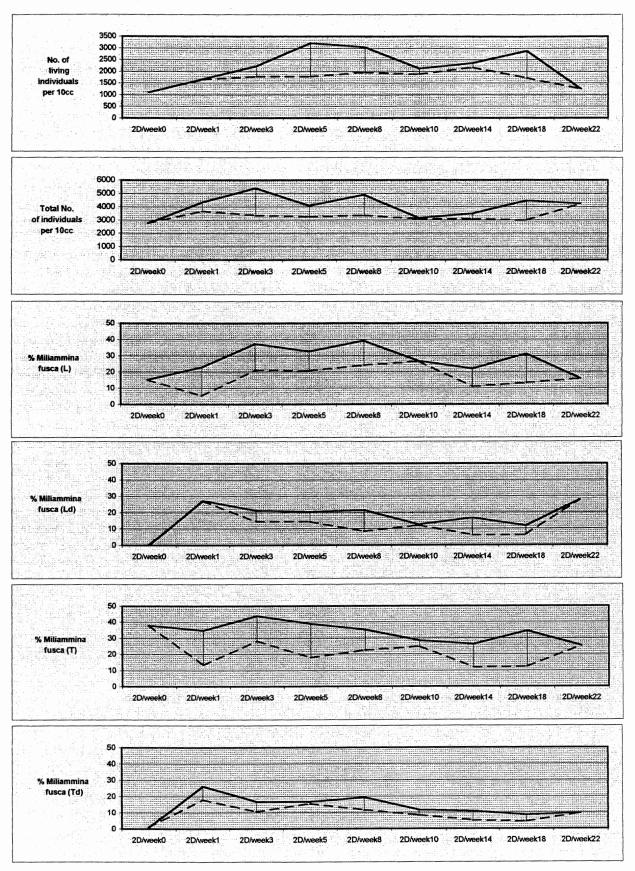
**Figure 4.10** Foraminiferal occurrences for Treatment D (Oiled plot with nutrient enrichment), Plot 1, from week 0 to week 22. Same format as Figure 4.1.

## Figure 4.10 Treatment D- Oiled Plot with nutrient enrichment



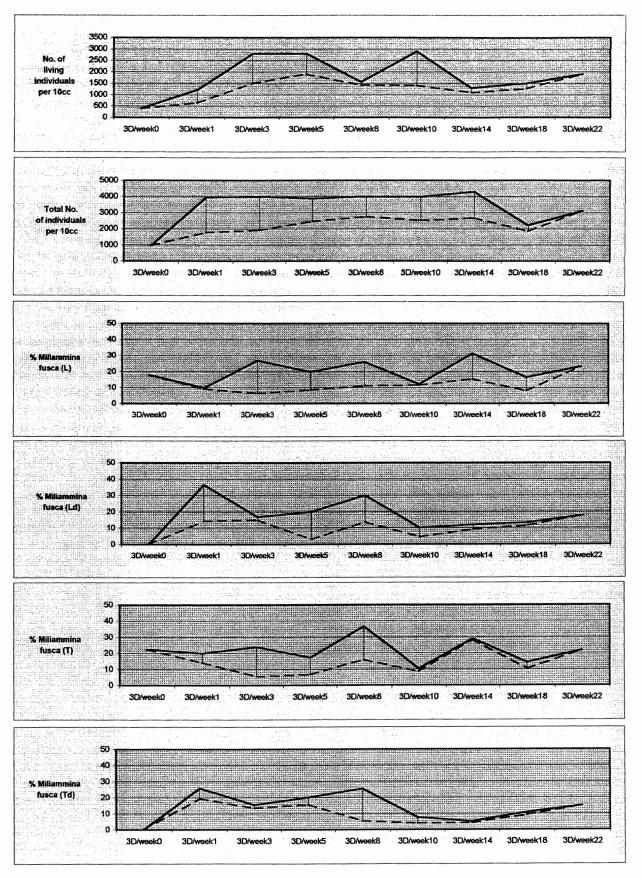
**Figure 4.11** Foraminiferal occurrences for Treatment D (Oiled plot with nutrient enrichment), Plot 2, from week 0 to week 22. Same format as Figure 4.1.

#### Figure 4.11 Treatment D- Oiled plot with nutrient enrichment



**Figure 4.12** Foraminiferal occurrences for Treatment D (Oiled plot with nutrient enrichment), Plot 3, from week 0 to week 22. Same format as Figure 4.1.

## Figure 4.12 Treatment D- Oiled plot with nutrient enrichment



Percent living deformed and percent total deformed within the *M. fusca* present in Plot 3, Treatment D, are similar to each other in trends (Fig. 4.12). Both show an increase from the first week, followed by a decline and another peak, before reaching a low, and increasing gradually from that low to reach a smaller peak by week 22. For the percent living deformed, maximum values increase from 0% at week 0 to >35% by week 1, then decline to ~17% by week 3, and climb again to ~30% by week 8. Following this second peak, values decrease to 10%, and then climb slowly to ~17% by week 22. Minimum values climb from 0% at week 0 to only 15% by week 1, where they plateau until reaching a new low of <5% by week 5, and then climb to ~15% by week 8. After this small increase, minimum values decrease again to 5% before gradually increasing to >15% by week 22. The maximum values for percent total deformed follow a similar trend for those of percent living deformed, with ranges between 0% and 25%. Minimum values are most unlike the maximum values at week 8, where the second peak occurs.

## 4.1.2.5 Treatment E- Oiled plot with nutrient enrichment and cut plants

#### • Number of living individuals and total number of individuals

The number of living individuals and the total number of individuals for Plots 1, 2 and 3, Treatment E (oiled plot with nutrient enrichment and cut plants), although different in trends, all seem to start off low and finish off low, within the sampling period. Maximum values for number of living individuals and total number of individuals within Plot 1, start off low at week 0 (at <2000/10cc and 6000/10cc respectively) and climb to 6000/10cc and 11000/10cc by week 1. Values for the number of living decrease to ~4200/10cc by week 3, and then climb to a new peak of ~7000/10cc by week 8, before declining steadily to <2000/10cc by week 22. Minimum values are not

highly variable. After peaking to 11000/10cc at week 1, maximum values of the total number of individuals decrease to  $\sim 8000/10$ cc, before climbing again to  $\geq 10000/10$ cc, and then decreasing again to reach a new low of  $\leq 5000/10$ cc by week 22.

Within plot 2, Treatment E, values for the number of living individuals and the total number of individuals are much smaller than those in Plot 1, but show similar trends. For the number of living, values increase from >500/10cc to several small peaks over time, reaching a maximum of ~3500/10cc by week 14, after which values decrease to ~1250/10cc by week 22. Where maximum values peak at week 14, minimum values do not, and are already decreasing. Otherwise, there is very little variability between maximum and minimum values. This is also the case for the total number of individuals. Values start at >1500/10cc and climb to a maximum of >5000/10cc and then decline and plateau at ~3500/10cc by week 3, increasing again after week 10 to a peak of >5000/10cc by week 14, followed by a decline to ~2500/10cc by week 22. Minimum values are notably different at the two peaks at week 1 and week 14, with a difference of ~1500/10cc.

Within Plot 3, Treatment E, values for the number of living individuals and the total number of individuals are most variable, but seem to start and finish off low as well (Fig. 4.15). Maximum values of the number of living individuals starts off at  $\sim$ 1000/10cc and remains low until after week 3, reaching a maximum peak of  $\sim$ 8000/10cc by week 5, followed by a decline to 3000/10cc by week 8, where values are fairly stable until week 14. At this time, values increase slightly to >4000/10cc, and then decline to 2000/10cc by week 22. Minimum values are similar, ranging between <1000/10cc and >6000/10cc.

The total number of individuals within Plot 3, Treatment E, are quite variable (Fig. 4.15). Maximum values start off at 4000/10cc and increase to  $\sim$ 7000/10cc by week 1, decreasing to <5000/10cc by week 3, and then increasing again to a peak of >8000/10cc by week 5. Values then decline to  $\sim$ 4000/10cc where they are fairly stable, reaching a low at  $\sim$ 3800/10cc by week 22. Minimum values are similar, and after week 1, they dip to <2000/10cc, then climb to 8000/10cc by week 5, and dip down again to  $\sim$ 1000/10cc by week 8. Minimum values then climb to  $\sim$ 4000/10cc where they remain fairly stable.

### • Percent Miliammina fusca

The percentages for *M. fusca* present in Plots 1-3, Treatment E, are highly variable (Fig. 4.13-4.15). In Plot 1, Treatment E, the percent living *M. fusca* remains fairly consistent at ~30% until after week 3, where values climb to a maximum of ~55% at week 10, and then decline to a new low of 20% by week 22. Minimum values follow a similar trend, and where the maximum curve peaks at week 10, minimum values are different by ~20%. The percent total values start off high (at 55%) and decline to ~35% by week 5, where they don't start to increase until after week 8, reaching a maximum of >50% by week 10. Values decline again to ~35% by week 18, followed by a slight increase towards 40% by week 22. Minimum values are most variable at week 10 and week 14, with a difference of ~15%.

The percent deformed within those *M. fusca* present in Plot 1 are fairly consistent, remaining above 10% for the most part (Fig. 4.13). The percent living deformed increases from  $\sim 2\%$  at week 0 to a maximum of > 20% by week 1, and then slowly decline to 15% by week 5, where they plateau until week 14, followed by an increase to a

maximum of >20%. Minimum values are variable, different by an average of 15%, and most different at week 1 and week 10, ranging between 5% and <15%. The percent total deformed values also start off low and increase by week 1. Maximum values reach 15% by week 1, from <3% in week 0, and then plateau until a gentle decline after week 5, reaching a low at ~10% by week 14, where values remain fairly stable. Minimum values follow a similar trend and range between <3% and 11%.

In plot 2, the percent living *M. fusca* increases from <10% at week 0 to a maximum value of 35% by week 1, and then decreases to ~15% by week 3. Maximum values then climb gradually to 30% by week 10, dipping back down to ~15% by week 14, where they plateau until after week 18, where there is an increase to ~25% by week 22. Minimum values remain low (between 5 and 11%), until week 10 where they peak at ~30%, and then decrease to <10% by week 14. The percent total maximum values also increase after week 0, from >20% to 40% by week 1, and then decline to 20% by week 3 where they remain fairly stable until a slight increase at week 10 to 25%, and remain at ~20% through to week 22. Conversely, minimum values decrease gradually after week 0 to reach a low point of <10% by week 5 and remain constant until an increase to ~25% at week 10, matching the peak for the maximum values, and decrease to 10% again by week 14, followed by a gradual increase.

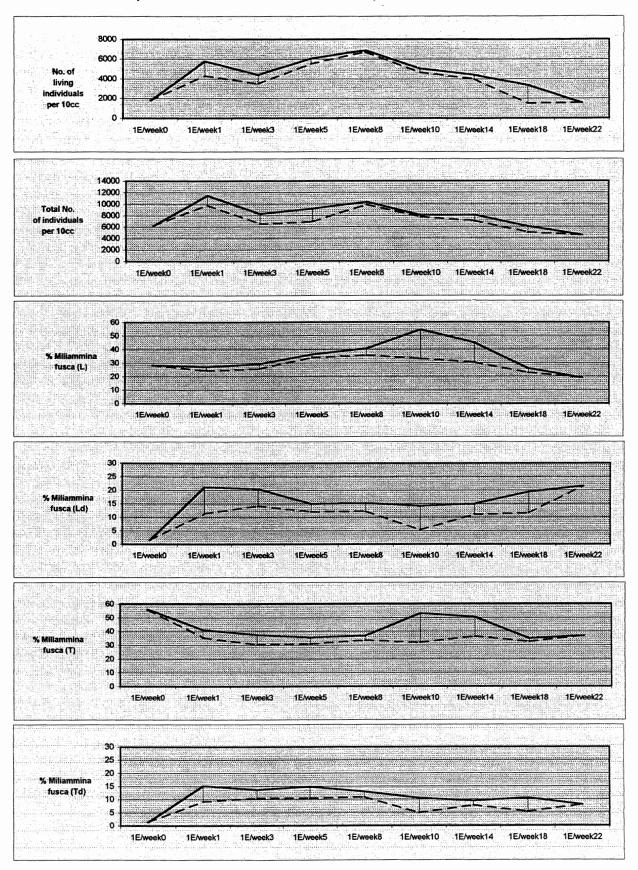
Percent living deformed and percent total deformed of the *M. fusca* from Plot 2, Treatment E, both increase from week 0, and remain fairly low throughout the sampling period. Percent living deformed values increase from 0% to a maximum of 30% by week 3, and then decrease to ~10% by week 8, followed by a slight increase to ~20%, where values remain fairly constant until a slight decline at week 22. Minimum values are similar in trend, ranging between 0% and 15%. Similarly, percent total values increase after week 0, from 2% to a maximum of >20% by week 3, followed by a decline and a plateau at around 15% through to week 22. In both cases, where maximum values peak at week 3, minimum values remain below 10%.

Percent living and percent total *M. fusca* within Plot 3, Treatment E, show the greatest variability, compared to the other two plots (Fig. 4.15). Maximum values for percent living are stable at ~20% until week 3, and then increase to 55% by week 5, declining to ~25% by week 10, climbing again to ~45% by week 18, and then falling to <30% by week 22. Minimum values also start off low and increase after week 3, to >40% by week 5, decreasing to <20% by week 8, and remaining below 30% until week 22. The greatest variability occurs between maximum and minimum values at week 14 and week 18, with a difference of ~30%. Maximum values for percent total *M. fusca* start off at <30% and increase after week 0 to 40% by week 1, then decrease to 20% by week 3, climbing to a new peak of 50% by week 5. Maximum values then decrease to ~20% by week 18, and decreasing again to ~35% by week 22. Minimum values are similar, differing by only ~7%, until week 14, where minimum values decline to <15% at week 18, before increasing to week 22.

Percent living deformed values for *M. fusca* within Plot 3, Treatment E, are highly variable (Fig. 4.15). Starting off at 0%, maximum values increase to 20% by week 1, and then decline to >10% by week 5, and then decreasing again to  $\sim$ 7% by week 10, where they plateau before increasing to  $\sim$ 23% by week 22. Minimum values are much lower, increasing to only 7% by week 1, and then remaining between 3 and 7% through to week

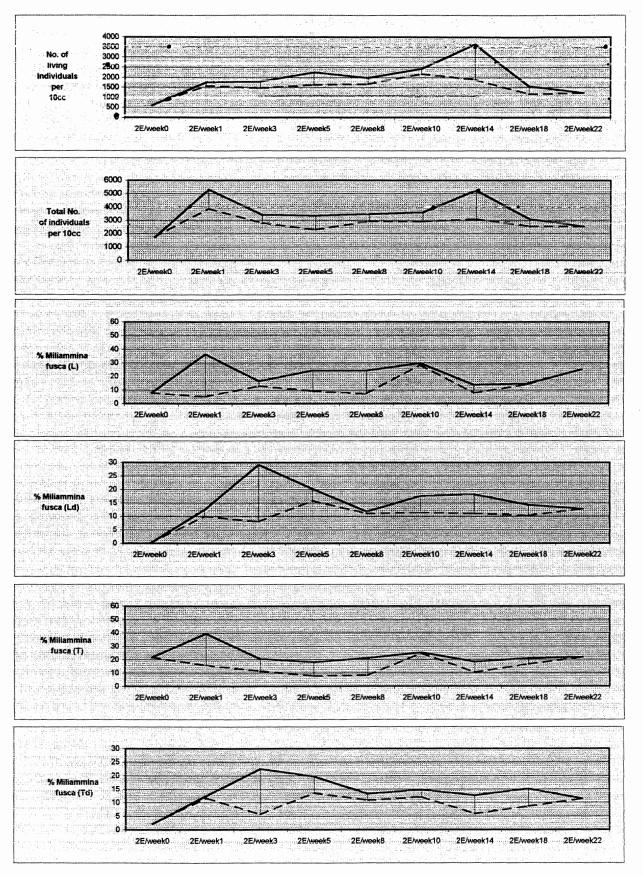
**Figure 4.13** Foraminiferal occurrences for Treatment E (Oiled plot with nutrient enrichment and cut plants), Plot 1, from week 0 to week 22. Same format as Figure 4.1.

## Figure 4.13 Treatment E- Oiled plot with nutrient enrichment and cut plants



**Figure 4.14** Foraminiferal occurrences for Treatment E (Oiled plot with nutrient enrichment and cut plants), Plot 2, from week 0 to week 22. Same format as Figure 4.1.

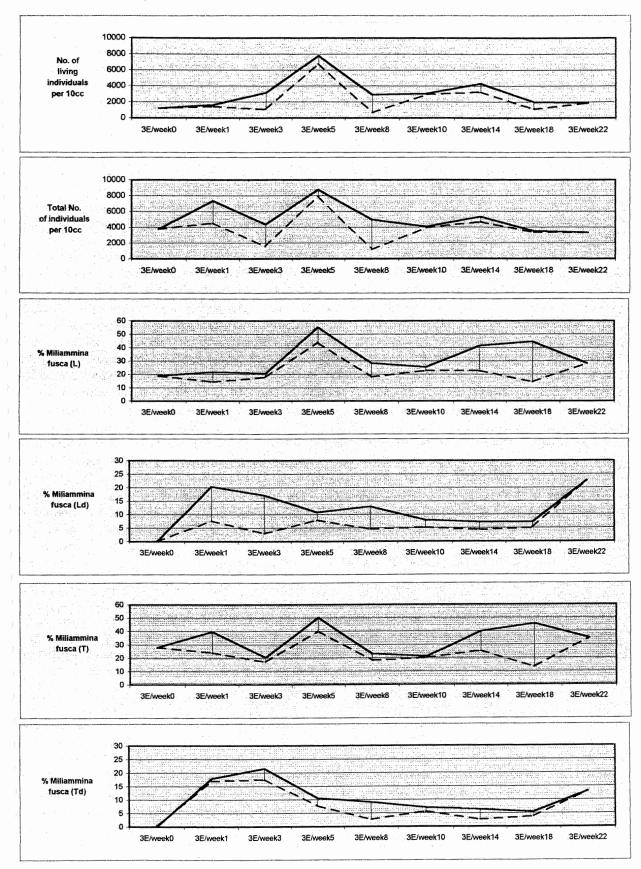
## Figure 4.14 Treatment E- Oiled plot with nutrient enrichment and cut plants



**Figure 4.15** Foraminiferal occurrences for Treatment E (Oiled plot with nutrient enrichment and cut plants), Plot 3, from week 0 to week 22. Same format as Figure 4.1.

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# Figure 4.15 Treatment E- Oiled plot with nutrient enrichment and cut plants



18. Maximum and minimum values are much less variable for percent total deformed, increasing from 0% at week 0 to >20% by week 3, and then decreasing to a low of 5% by week 18. After week 18, values increase again to  $\sim$ 12% by week 22, similar to the peak for percent living deformed in Plot 3, but unlike the low value within Plots 1 and 2.

#### 4.1.2.6 Treatment F- Oiled plot with nutrient enrichment and agricultural disking

## • Number of living individuals and total number of individuals

The number of living individuals and the total number of individuals within Plots 1, 2, and 3, with Treatment F (oiled plot with nutrient enrichment and agricultural disking), show a range of trends, with values ranging between 500 and 9000/10cc living and total. Within Plot 1, Treatment F, the maximum number of living individuals remains fairly consistent between 1400-1800/10cc, with minimal variability, increasing from ~1700 at week 8 to >2500/10cc by week 14, declining to <1000/10cc by week 18, and then climbing again to ~1200/10cc by week 22. Minimum values remain lower, and decline from ~1700/10cc at week 5 to ~800/10cc by week 8, and plateau at ~1200/10cc until week 18, reaching a low of  $\sim 700/10$  cc. The total number of individuals starts off fairly stable as well. Maximum values increase slightly from >3000/10cc to 3500/100cc by week 1, and then decline, with no variability, to week 5 at  $\sim 2500/10$  cc. Maximum values then increase to reach >4000/10 cc by week 14, and then decline to  $\sim 1700/10$  cc by week 18, followed by another increase to ~2200/10cc by week 22. Minimum values are more stable, and after week 3, gradually decrease from ~3000/10cc to ~1700/10cc where values plateau until week 18.

Values for the number of living individuals and the total number of individuals within Plot 2 show the greatest variability between minimum and maximum values (Fig.

4.17). Maximum values for the number of living increases from  $\sim$ 500/10cc to >5000/10cc by week 3, decreasing to 2000/10cc by week 8, and then climbing again to >3000/10cc by week 3 before decreasing again to  $\sim$ 1500/10cc by week 18, where values plateau. Minimum values are much lower, and remain below 1000/10cc until increasing to 2000/10cc by week 5, and then decrease to 1000/10cc by week 8, increasing to  $\sim$ 2000/10cc by week 10, and then declining to  $\sim$ 1000/10cc. Maximum values for the total number of individuals start off at 1000/10cc and increase to >8000/10cc by week 1, decreasing to  $\sim$ 4500/10cc by week 5, and remaining fairly stable at  $\sim$ 5000/10cc until after week 10, decreasing to  $\sim$ 2000/10cc by week 18. Minimum values are again much lower, increasing from week 0 at 1000/10cc to 2500/10cc, and then remaining between 2000 and 2300/10cc until week 18. At this time, there is a slight dip below 2000/10cc.

The number of living individuals and the total number of individuals within Plot 3, Treatment F, show less variability (Fig. 4.18), but similar trends to Plot 2. Maximum values for the number of living increase from 500/10cc to >6000/10cc by week 5, and then decline fairly smoothly to week 14, where values plateau at  $\sim$ 2000/10cc, declining further still to  $\sim$ 1500/10cc by week 22. Minimum values are most variable at week 5, where the maximum value reaches >6000/10cc, and the minimum value is  $\sim$ 2000/10cc. Similarly, maximum values for the total number of individuals increases from 1000/10cc to >8000/10cc by week 5, and then decline to  $\sim$ 3000/10cc by week 14. At week 18, there is an increase to >4000/10cc, followed by another decline to <3000/10cc by week 22. Minimum values are somewhat variable, with the greatest difference occurring again at week 5, where the maximum value reaches >8000/10cc and the minimum value decreases slightly to <4000/10cc.

#### • Percent Miliammina fusca

The percentages of *M. fusca* present in the three plots treated with Treatment F show the widest range of variability of all the treatments, varying in percentages of <5% to >35%, with deformities ranging between 0-50%. In Plot 1, Treatment F, values for percent living start off and remain very low (Fig. 4.16). Starting at <6%, maximum values increase slightly to >8% by week 5, and then decline to  $\sim3\%$ , climbing again to  $\sim5\%$  before decreasing to <2% by week 22. Minimum values decline from <6% to <2%by week 1, and then increase back to  $\sim6\%$  by week 3, before decreasing to <2% over time to week 22. Maximum values for percent total *M. fusca* start off fairly high at  $\sim17\%$ and increase slightly to 20% before decreasing to <5%, and remain below 5%, except for a small increase at week 14, through to week 22. Minimum values decline from the start, reaching <5% by week 1, and remaining below 5% through to week 22.

The percent living deformed *M. fusca* in Plot 1 are quite high (Fig. 4.16). Maximum values increase from <10% at week 0 to  $\sim40\%$  by week 1, and then decrease to  $\sim15\%$  by week 3, climbing again to >30% by week 8. They decrease slightly to 20% by week 10 before climbing to a peak of 50% by week 18, and then crash to 0% by week 22. Minimum values are much lower, decreasing to 0% after week 1 and remaining there until week 10, where they increase to  $\sim17\%$  before returning to 0% for the rest of the sampling period. The total percent deformed *M. fusca* is also variable. Maximum values increase from week 0 at  $\sim2\%$  to  $\sim30\%$  by week 1, and then decline to  $\sim10\%$  by week 3, before increasing to >20% by week 5. Following week 5, maximum values decline gradually to  $\sim10\%$  by week 10, climb to  $\sim30\%$  by week 14, and then drop to  $\sim20\%$  by week 18, and increase again by week 22 to  $\sim25\%$ . Minimum values are much lower, and

after week 1, decrease to 0%, rising only at week 10 to >10%, after which they fall to 0% again.

Within Plot 2, Treatment F, values continue to be highly variable (Fig. 4.17). The percent living and percent total for *M. fusca* are very similar, ranging between 1 and >30%. Maximum values in both cases increase from <10% to >30% by week 1, and then fall to <20% by week 3, climbing gradually back up to  $\sim30\%$  before dropping out to <10% by week 14. There is a slight increase in values again after week 14, reaching no higher than  $\sim13\%$  by week 22. Minimum values are variable, and follow a similar trend to maximum values, but differ by 5-25\%, and never quite reach 0%.

The maximum values for percent living deformed in Plot 2, Treatment F, start at 0% and climb to 40% by week 1, and then decrease to ~15% by week 3. They then climb to ~30% by week 5, and then decline to ~20% until week 14 where they decrease further to reach ~5% by week 14, and then increase again to 20% by week 18 before decreasing to <10% by week 22. Minimum values are lower, ranging between 0% and 20% accordingly (Fig. 4.17). The values for percent total deformed are very similar and follow similar trends, reaching a maximum value of ~35%, and declining at the end to <10% by week 22. Minimum values are variable, with an average difference of ~13%.

Within Plot 3, Treatment F, percent living and percent total *M. fusca* continue to show a different range of values (Fig. 4.18), with respect to the other two plots. Maximum values for percent living start off at ~15% and decline to ~12% by week 1 before increasing to ~35% by week 3, and then decreasing gradually to ~13% by week 10. Values then climb to >20% by week 14, and then slowly decrease to ~15% by week 22. Minimum values are somewhat lower and more stable, remaining between 10-28%,

with a slight dip below 10% at week 10. The maximum values for percent total also decrease from week 0, from 25% to ~18% by week 1, and then climb back up to >30% by week 3. Values then decline to ~12% by week 10, climbing to 20% by week 14, and then gradually decreasing to ~15% by week 22. Minimum values follow a similar trend and range between 8-20%, with a greatest difference from maximum values at week 5 of ~18%.

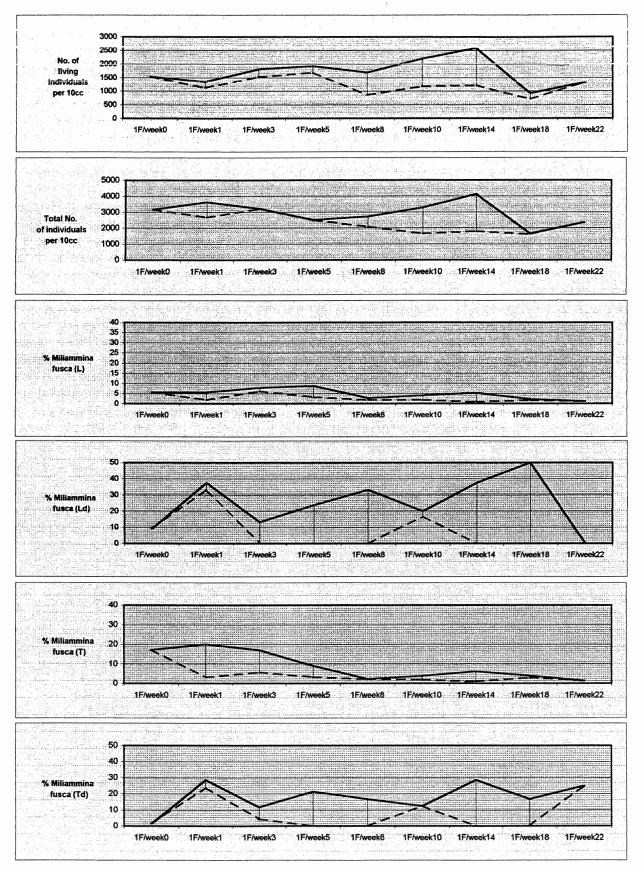
The percent living deformed and percent total deformed *M. fusca* are less variable and show similar trends to each other within Plot 3, Treatment F. For percent living deformed, maximum values increase from ~12% to 25% by week 1, and then decrease to ~16% by week 3 where they remain fairly stable until after week 8, where they reach a low of <5%, and then climb steadily to a peak of >25% by week 22. Minimum values are within 5% of maximum values, except at week 1, where the maximum value reaches 25% and the minimum value remains at ~12%. For percent total deformed, maximum and minimum values are different by only ~3%. Maximum values increase from 10% to ~23% by week 1, and then fall to ~12% by week 5, where they plateau before decreasing again to <5% by week 10, climbing steadily back up to ~17% by week 22.

#### 4.1.2.7 Summary of Morphological Change

With respect to the overall measure of deformed *Miliammina fusca*, Table 4.1 shows the average rate of deformities within the eighteen plots over the sampling period. These values were calculated by adding the maximum percentages for each category of *M. fusca* (percent living, percent living deformed, percent total, and percent total deformed) and dividing by the amount of sampling days. The same was done for minimum values. Note the difference between the percent total deformed for Treatment

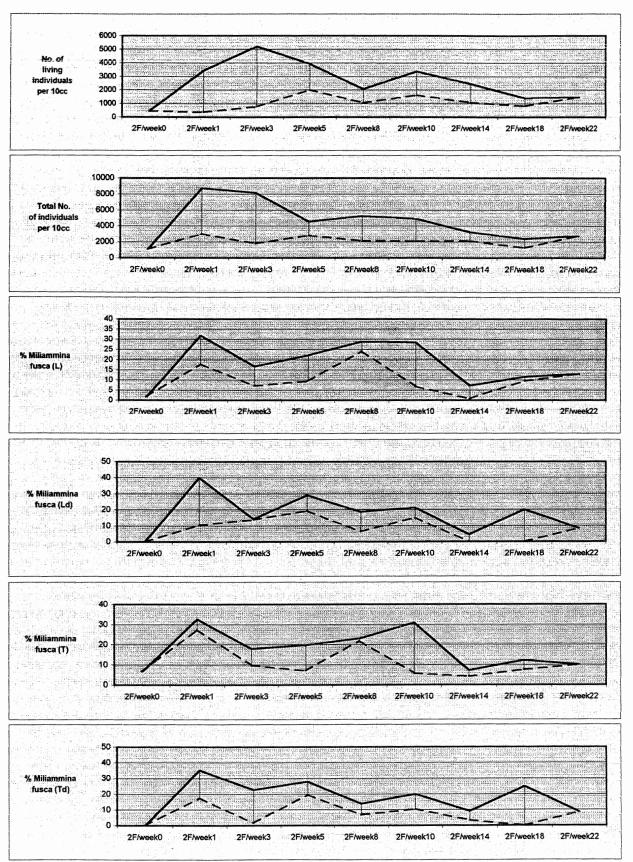
**Figure 4.16** Foraminiferal occurrences for Treatment F (Oiled plot with nutrient enrichment and agricultural disking), Plot 1, from week 0 to week 22. Same format as Figure 4.1.

# Figure 4.16 Treatment F- Oiled plot with nutrient enrichment and agricultural disking



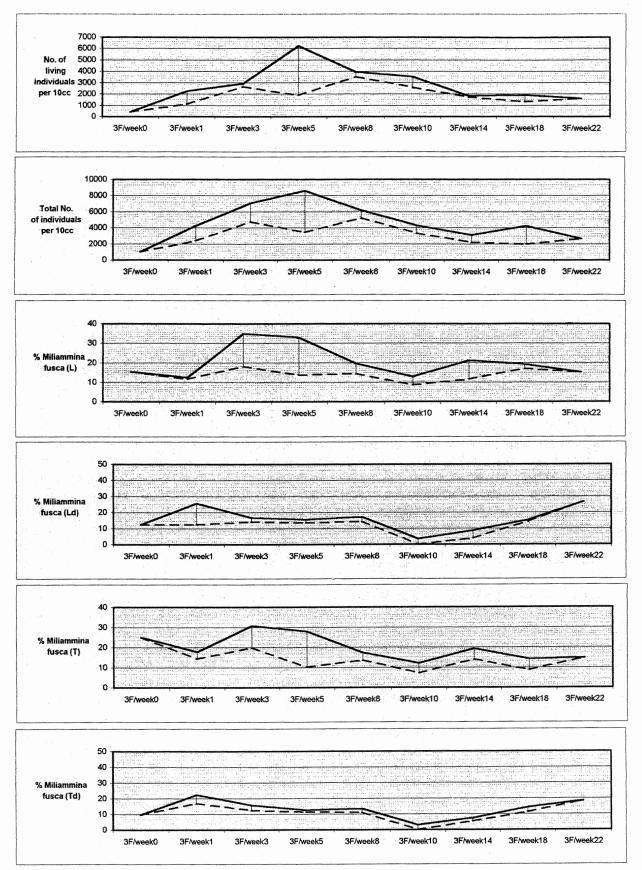
**Figure 4.17** Foraminiferal occurrences for Treatment F (Oiled plot with nutrient enrichment and agricultural disking), Plot 2, from week 0 to week 22. Same format as Figure 4.1.





**Figure 4.18** Foraminiferal occurrences for Treatment F (Oiled plot with nutrient enrichment and agricultural disking), Plot 3, from week 0 to week 22. Same format as Figure 4.1.

# Figure 4.18 Treatment F- Oiled plot with nutrient enrichment and agricultural disking



A and B, and those for Treatments C - F. There is a noticeable increase in deformed percentages within this species, between the non-oiled and oiled plots. For comparative purposes, the percentage of deformities within *M. fusca* from the pre-oiling sampling period (week 0) can be found in Appendix 1, Tables 1-9.

Treatment	% Living		% Living Deformed		% Total		% Total Deformed	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
A (Control plot; no	11.9	47.9	1.23	3.25	13.1	49.5	1.14	1.72
oil, nutrients								
enrichment)								
B (Control plot; no	5.33	12.4	1.24	3.98	6.46	13.8	1.04	1.84
oil, no nutrients)								
C (Oiled plot;	12.8	30.0	10.4	16.5	16.7	36.3	8.80	13.0
natural attenuation)								
D (Oiled plot with	15.9	22.8	12.3	15.6	16.1	27.2	12.1	12.9
nutrient								
enrichment)							, in the second s	
E (Oiled plot with	17.4	32.0	8.99	13.9	18.9	38.3	9.24	12.0
nutrient enrichment								
and cut plants)								
F (Oiled plot with	3.82	17.4	13.4	17.2	6.30	16.7	11.6	13.9
nutrient enrichment + agricultural disking)								

Table 4.1 Average Percentages of Deformed Miliammina fusca

The deformities among the *M. fusca* within all the plots were similar in that the test became twisted and/or misshapen compared to the normal form. Deformed ranges included twisting in the last chamber, misshapen changes internal to the whorl or on the periphery. Some specimens showed twinning, while others showed only minor deformations, such as the enlargement within a chamber. Figure 4.19a shows a normal *M. fusca* individual, and Figure 4.19b shows one of the deformed individuals picked out from one of the samples. In this case, this specimen had been living at the time the

sample was taken, hence the pink colouring, and had clearly deformed as a result of environmental stress.



Figure 4.19a Normal *Miliammina fusca* individual (~200µ)

Figure 4.19b Deformed *M. fusca* individual (~200µ)



## 4.1.3 Field Results

Aside from foraminiferal results, the marsh surface itself within each of the experimental plots showed significant differences in response to the different treatments. Figures 4.20-4.25 are photographs taken in the field on the final sampling day (week 22, October 26<sup>th</sup>, 2000) to demonstrate the effects of the previous five months of treatment. A picture of each treatment was taken from one of the three blocks, as marked by the number and letter (the number representing the block, the letter representing the treatment). Visually speaking, it is clear to see the recovery rates of the marsh grass and vegetation within the oiled plots (Treatments D-F) were much slower than the foraminifera (Fig. 4.23-4.25). It is important to note that these observations must be based on the grid sub-sections of the plots that were not sampled, because the subsections that were sampled had surface material physically removed. This showed that microfauna respond more quickly and lead both macroplant and macroanimals in recovery, although this area did not show complete recovery by the end of the experiment.

## **4.2 CORE RESULTS**

Prior to oiling, three ~10cm cores were taken, one from each zone, to determine the stability of the fauna over the past few years. One core, taken from plot 2 (see Fig. 1.3), was cut into 10 separate 1cm-thick slices to obtain 10cc samples, which were processed and analyzed individually, following the same methods used to process those samples extracted from the experimental plots.

#### 4.2.1 Foraminifera

Data from the ten consecutive samples were calculated in the same format as described above (section 4.1.1), and put into a Microsoft Excel Spreadsheet. However, instead of values being plotted against a time-scale, they were plotted against depth for the core, so that 0-1cm represents the surface and 10cm represents maximum depth (Table 10, Appendix A).

Foraminiferal assemblages show that a maximum of eight different species were observed throughout this range of depth, including: Eggellera advena, Miliammina fusca, Thecamoebians, Tiphotrocha comprimata, Trochammina inflata, Trochammina macrescens f. polystoma, Trochammina ochracea and inner linings, all of which had living representatives. The core appears to be dominated at all levels by Trochammina macrescens f. polystoma, while fairly large populations of Miliammina fusca and Trochammina inflata also occur. Within the core, there were small numbers of deformities observed within the species Miliammina fusca, at various depths within the core. When there were deformities observed, the percentages of living deformed and total deformed were never greater than 2%, and were more often not present (0%). As well, a very small percentage of deformities were observed in Trochammina macrescens f. polystoma, while none were observed in the third most dominant species, Trochammina inflata.

Figure 4.20 Treatment A- Control Plot with Nutrient Enrichment (no oil), Plot 3, week 22



Figure 4.21 Treatment B- Control Plot without Nutrient Enrichment (no oil), Plot 2, week 22



Figure 4.22 Treatment C- Oiled Plot with no Treatments (natural attenuation), Plot 2, week 22



Figure 4.23 Treatment D- Oiled Plot with Nutrient Enrichment, Plot 3, week 22





Figure 4.24 Treatment E- Oiled Plot with Nutrient Enrichment and Cut Plants, Plot 2, week 22

Figure 4.25 <u>Treatment F- Oiled Plot with Nutrient Enrichment and Agricultural Disking, Plot 2,</u> week 22



# **CHAPTER 5: DISCUSSION**

#### **5.1 INTRODUCTION**

Based on the large number of results acquired throughout the experiment, several important factors should be considered. The living and total foraminiferal assemblages in all types of plots showed a variety of fluctuations, indicating natural and anthropogenic changes. To provide the history of faunal assemblages over time, trends of living and total populations, as well as the presence or lack of deformities among species, are discussed. The trends over time among the experimental plots are compared, between non-oiled control plots and their natural variability, and oiled plots and the impact of an increased stressed on natural assemblages.

As mentioned earlier, a three year study was performed in the neighbouring inlet to Petpeswick, in Chezzetcook Inlet, Nova Scotia, by Scott and Medioli (1980b), to compare the seasonal variability between the living and total numbers. Two of the stations from that experiment (7c and 7d) are analogous to the stations plotted for this project, representing the outer estuarine zone IIA (upper low marsh) and zone IIB (lower low marsh), and share similar fluctuation patterns to those observed in Conrod's Beach salt marsh. The investigation by Scott and Medioli (1980b) did not consider deformities among species, however, had they been significant, they would have been noted (Scott, pers.comm.). Therefore, the results from this study will also be compared with previous work that has incorporated deformities among species of foraminifera, particularly in oilcontaminated areas, demonstrating the detrimental effects this type of pollutant can have on a natural environment.

#### **5.2 TRENDS IN CORE**

Based on an estimated sedimentation rate of 1cm/year, which is common in this area, it can be assumed the core results taken from the marsh represent a control time series of at least ten years (Table 10, Appendix A). The foraminiferal assemblages observed within the ten centimeters extracted from the marsh subsurface portray natural conditions over this time period, and provide a good faunal assemblage to compare against the results obtained from within the experimental plots. As Scott and Medioli (1980b) discuss, fossil assemblages from buried material can provide reliable indications as to the type of environment that existed at the time of deposition. This is particularly true in Holocene deposits, where modern distributions of the same species are known (Scott and Medioli, 1980b).

#### 5.2.1 Species

The total number of species within each layer of the core ranged from 4-7, with fairly consistent numbers of individuals. Conditions appear to be most favorable to *Trochammina macrescens f. polystoma*, followed by *Miliammina fusca*, which were the two dominant species throughout the core. *Trochammina inflata* were also present in fairly consistent percentages. These agglutinated species, among the others observed at much lower percentages, dominated the marsh subsurface, with no calcareous species present. The salinity levels within this area were clearly too low to support calcareous species, which are typically found in other similar marsh areas.

## **5.2.2 Deformities**

Within the core, there were very few deformities observed throughout the different species (Table 10, Appendix A). Only within *M.fusca*, *T. inflata* and

*T.macrescens f. polystoma* do we see very low percentages, and never greater than 2% deformed, which is considered within the normal range. Therefore, there is no indication of an increase in environmental stress over time that would have caused these species to deform.

#### 5.3 TRENDS OVER TIME

With respect to the number of living individuals and the total number of individuals present per 10cc sample taken from each of the experimental plots throughout the study period, all species observed were incorporated (Tables 1-9, Appendix A). However, only two of these species appeared in significant amounts, and of these two species, only *M. fusca* is discussed in detail for the purpose of this report, showing significant deformities, with the greatest amount of variability as a result of environmental stress from the experimental treatments. *M. fusca* thrive in fairly stable environments with respect to other species found here, as shown by Scott and Medioli (1980b), and that is why deformities are found within the stressed plots. *Trochammina macrescens f. polystoma* live everywhere throughout the marsh, but dominate the upper reaches of marshes and are more tolerant of stress (ie. test deformation) than a species like *M. fusca*. Although this species shows deformities as well, they are not at levels suggesting high enough stress for the comparative purposes of this study.

Trends in living and total populations, as well as percent changes among the different species, were all within the natural ranges of variability, as observed in the core, and in Chezzetcook Inlet (Scott and Medioli, 1980b) and similar areas.

## 5.3.1 Deformities Within Control Plots With No Oil

#### • Treatment A- Control Plot with Nutrient Enrichment (no oil)

Deformities within the percentages of *M. fusca* present in the three Treatment A plots were very low, and aside from the rare high peak associated with the seasonal bloom, values were well below 10% throughout the experiment, similar to what was observed in the core. In Plot 1, the deformities were quite high, especially in the living, while percent living and percent total M. fusca were quite low. As conditions improved, and temperatures increased, living and total M. fusca numbers increased, so although the absolute number of deformed individuals may have remained the same, percentage-wise deformed numbers decreased. In Plot 1, there was a second peak of percent living deformed at the beginning of August, which was simultaneous with a decrease in the living and total populations. This percentage of deformities provides data for a 'natural', non-oiled site, and is well within the limits of natural variability reported elsewhere (ie. Scott and Mediol, 1980b). In Plots 2 and 3, percent living and percent total deformed M. fusca numbers were relatively low, remaining below 5% for most of the sampling period, while percent living and percent total M. fusca remained fairly stable. In Plot 2 however, there was a peak in both percent living and percent total deformed *M. fusca* by week 3, which was not associated with any particular change in percent living and percent total.

#### • Treatment B- Control Plot Without Nutrient Enrichment (no oil)

Similar to the results from Treatment A, of the *M. fusca* present in Plots 1, 2 and 3, with Treatment B, there were very few deformed species. In particular, aside from a slightly high percentage of living and total percent deformed at the beginning of the spring bloom, values remained well below 5% in both Plots 1 and 2. In Plot 3, it seems

there had been a high percentage of deformities coming out of the winter season, and as total populations climbed in the early weeks of spring, deformation levels bottomed out around 0% for the remainder of the sampling time. There was an unusually high increase in deformities at the beginning of August (week 10) within Plot 1, which should be mentioned. This peak occurred as percentages of *M. fusca* were increasing and total population numbers were decreasing, suggesting this species was having difficulty competing for space within the plot.

It would appear that those plots treated with nutrient enrichment are showing some deformities, and more so than in plots with no nutrient enrichment. However, this is a small difference, probably within the natural range of variability, so it is difficult to see much difference between treated and non-treated non-oiled plots.

#### 5.3.2 Deformities Within Oiled Plots

#### • Treatment C- Oiled Plot With No Treatments (natural attenuation)

Each of the plots treated with oil show an increase in both percent living (Ld) and percent total (Td) deformed *M. fusca* just after the oil was applied in the first week. This first peak is a result of a seasonal warming that occurred at this time, at the beginning of the spring bloom in early June. This peak is simultaneous with the peak in total abundance. This indicates an extremely rapid response to oil contamination not seen in the other macro-organisms observed here. This response might be tied to the fact that the overall population was increasing just as the oil was applied and therefore test deformities were produced in juvenile specimens.

Following the initial peak, deformities appear to have stabilized throughout the summer during non-bloom periods, when reproduction rates were reduced. Near the end

of the sampling period, percentages increased again, and species reproduction appeared to occur at elevated rates. It is clear that the oil was having a negative impact on the reproductive cycle of the *M. fusca*, because more deformities were being generated during active reproduction. It appears that deformities manifest themselves more during reproduction because that is when the test is produced, and the oil apparently enhanced this effect, especially in the spring bloom.

## • Treatment D- Oiled Plot With Nutrient Enrichment

Results for Treatment D plots show similar trends to Treatment C, particularly within Plots 2 and 3, with an increase in percent living deformed at the beginning of the sampling period and at the end. Plot 1 was different in that the percent deformed decreased after a late summer peak, when percent living and percent total *M. fusca* increased as the living and total population of all species increased. Therefore, living and total individuals of *M. fusca* increased at the expense of the deformed species. In general, however, it appears that at best the treatments had no positive effect on the foraminifera and subjectively it looks as though the plots with treatments were negatively altered with respect to percent deformities.

## • Treatment E- Oiled Plot with Nutrient Enrichment and Cut Plants

Treatment E had a variety of effects on the experimental plots. In Plots 1 and 3, as living and total populations declined near the end of the summer, so did the percent living *M. fusca*, while percent living deformed *M. fusca* increased. Therefore, what was living over this time became deformed, because the species was having difficulty recovering from the added stress, and reproducing abnormal individuals. In Plot 2, where living and total populations decreased at the end of the fall season, percent living and

percent total *M. fusca* were fairly stable, or increased slightly, and percent living deformed and percent total deformed decreased slightly. This would indicate that the added nutrients and cut plants might have encouraged some recovery within this species. In all three plots, variability of the percent deformed between the replicate samples was greatest during the early spring and early fall, when conditions were more favorable for reproduction, but the added stress to the surrounding environment caused fluctuating results.

## • Treatment F- Oiled Plot With Nutrient Enrichment and Agricultural Disking

In those plots treated with Treatment F, the results were highly variable among the three plots. In each case, there was an increase in percent deformed at the end of the summer season and into early fall, while living and total populations had decreased, so of the *M. fusca* that were able to reproduce, most were deformed. Particularly in Plot 3, the percent living and total *M. fusca* were less than 20% of the already low living and total populations, and of those *M. fusca*, an increased percent were deformed. In all three plots, although results are highly variable, it is clear the added stress to the environment caused a dramatic decrease in living and total populations, and specifically in *M. fusca*, in which those that did survive, a fair percentage were deformed.

#### 5.3.3 Summary

The most noticeable difference between the treated oiled plots is that those plots treated with Treatment F (nutrient enrichment and agricultural disking) had the greatest variability between the representative samples. The disking introduced sediment from depth to the surface, so that samples taken from those plots contained faunal assemblages that were new and old. Therefore, the minimum values of 0% living and total deformed

are most likely representative of material from previous years, where deformation was less likely because conditions were more stable, and the maximum values (of up to 50% in the case of percent living deformed in Plot 1) are from the recently oiled surface sediment.

Also, the agricultural disking, or tilling, appeared to discourage the recovery rate of the vegetation within these plots, which may have had a detrimental effect on the foraminifera because of the added stress on environmental conditions. In the field, this was obvious from observation of the actual plots (Fig. 4.25), where it was clear that the plants within the plots were physically affected by the tilling. However, tilling was not carried out to stimulate plant growth, but rather to physically provide oxygen (O2) to the bacteria. It was known ahead of time that constant tilling would remove the plants from the plots. With more oxygen in the surface sediment as a result of the tilling, conditions would have been more favorable for the production of calcareous foraminiferal species, but these were not observed. As a result of the disking, surface sediment was removed from the center of the plot, creating an unofficial pond when water drained at low tide, and higher edges bounding this pond. Therefore, water was contained in the plot that may have otherwise drained away. This may have affected the temperature and salinity of the surface material and certainly did decrease the oxygen levels by stagnation, increasing the amount of stress present within the plots.

Because of the abundance of food and nutrients available to foraminifera within the marsh, and the consistent appearance of certain species indicating little to no interplot competition for space, variability is undoubtedly a symptom of stress related to the oil and the treatments introduced to the plots. In conclusion, it is clear that the oil caused

extreme amounts of deformation with exceptional rapidity within *M. fusca*. Levels of deformities observed here have never been previously reported, even in other heavily contaminated areas (with heavy metals, PCB's, and others), introducing new evidence of the effects of oil on a salt marsh to oil spill research.

#### **5.4 COMPARISON WITH PREVIOUS WORK**

Several experiments dealing with foraminifera as pollution indicators were discussed in Chapter 2. Of those, each reported signs of deformed populations as a result of stressed environments. Two of these experiments studied the specific effects of oil contamination on benthic foraminifera. The first, by Whitcomb (1975), showed that test deformities ranged from 10% to 15% among several foraminiferal species within tidal flat complexes of the lower York River, where hydrocarbons had been spilled. These findings, although lower than most percentages observed in our experiment, were believed to be directly related to the effects of the toxicity of the crude oil. Test deformities were suggested to have occurred as a result of starvation of foraminifera from loss of diatoms, as a result of the hydrocarbons in the water (Whitcomb, 1975).

A subsequent investigation, by Venec Peyre (1981), also related test abnormalities among certain benthic foraminiferal species to an oil spill. Although percentages of deformities were not recorded, the three main abnormalities found had been present in the study area before it came into contact with hydrocarbons from the spilled oil, but they only affected a minor part of the populations (Alve, 1995). Therefore, increased levels of anomalies were directly related to the presence of crude oil in the study area.

## **5.5 Implications**

Several important points can be inferred from the findings of this study. The two most significant results that came from this experiment include the fact that, other than deformities, there was little change in foraminiferal assemblages within most of the plots, and the fact that at the end of the fall season there were still significant deformities in the populations, indicating no recovery from the oil spill. Although variability between the replicate samples appears high, it is naturally high, as seen in Chezzetcook Inlet from the study run by Scott and Medioli (1980b). However, what was unnatural was the high percentage of deformities within our plots compared to data collected from the core, which represents a time series from at least the last ten years, and with data collected from neighboring areas.

It is important to consider why only one of the species (*M. fusca*) observed in the samples showed statistically significant deformities. This occurrence is most likely related to the location of the experimental plots within the marsh at Conrod's Beach. *M. fusca* are likely to be more susceptible to environmental stress within the upper part of the low marsh area, whereas *Trochammina macrescens f. polystoma* would likely be the more stable species in the higher marsh. Therefore, if the plots had been stationed at a different elevation within the salt marsh, deformed percentages may have been more abundant in *T. macrescens f. polystoma*, if not among other species as well. If calcareous foraminiferal species had been present, it is likely that these would have been either highly deformed or eliminated altogether, since they are the most stressed species in low pH environments such as this. Unfortunately, no calcareous species were observed. This absence cannot necessarily be attributed to the presence of oil because fluctuations in

similar inlets happen naturally as well (refer to Ch.2, Fig. 2.1 and 2.3, where no calcareous species were observed in the third year of the study during the summer (Scott and Medioli, 1980b)).

Based on the results of this study, we have gained insight as to how foraminifera respond to an oil spill, especially the rapidity of their response. Within a coastal salt marsh, there are statistically significant changes in values following the application of the oil. These findings are useful in several different applications. For instance, we now have a better idea of what you could expect to see in a core from an old oil spill site. The thickness of an affected layer of sediment would probably not be very large (~1cm) but would condense a year of data into that one thin slice. Depending on the rates of bioturbation within the sediment, the extent of the depth of contamination can vary. In an area such as ours, where bioturbation rates are very low, the oil-affected layer would be fairly thin (~1cm). However, in places like South Carolina, where various burrowing organisms create notable disruptions in stratigraphic layers, the oil-contaminated layer, and therefore the deformed foraminiferal species within the layer, might be found at greater depths.

As discussed, marshes are highly susceptible to contamination from offshore oil spills. At the same time, fossil records within marshes remain well intact compared to other marine environments, like beaches and mud flats, and are therefore one of the few coastal zones where you can reconstruct past events. In this respect, foraminifera are highly useful because of the fossil record they provide, compared to other proxy indicators, such as plant roots. They would allow us to determine how long an oil spill affected an impacted shoreline, the level of mitigation, and how long it took the

environment to recover. From this experiment it is clear that foraminifera are costeffective, rapid and reliable indicators of oil spill contamination within a coastal salt marsh. With the small amount of oil that was applied, there was a tremendous response, as seen in the deformities of one of the dominant species, and it can be assumed that a real oil spill would have an even greater impact.

# **CHAPTER 6: CONCLUSIONS**

#### **6.1 CONCLUSIONS**

- 1. Living and total foraminiferal assemblages in each of the plots in Conrod's Beach marsh showed a variety of fluctuations, indicating natural changes and anthropogenic changes. Because of the abundance of food and nutrients available to foraminifera within the marsh, and the consistent appearance of certain species indicating little to no inter-plot competition for space, increased variability within certain plots is undoubtedly a symptom of stress related to the oil and treatments introduced to the plots.
- 2. Deformities of foraminiferal species were observed in each of the treated plots, but within the natural range (<10%) for unoiled plots. Within the oiled plots, the percentages of deformities were exceptionally high within one of the more dominant species, *Miliammina fusca*. Increased percentages of both living and total deformed *M. fusca* were observed within three days of the application of the oil. Levels of deformities observed here had never been previously reported, and greatly exceeded levels observed in a core representing faunal assemblages within the marsh over the last decade, as well as data from an analogous marsh in the neighboring inlet.
- 3. Other than deformities, there was little change in foraminiferal assemblages within most of the plots, and deformities were still present at the end of the fall season, indicating no recovery from the oil spill. Because of the controlled experiment, we can attribute these deformities to the presence of oil. Other studies have shown changes in assemblages because of contributing factors such as salinity or

temperature changes, but here it is clear that the oil had a detrimental effect on the foraminifera.

- 4. Of the *in situ* bioremediation treatments applied to the plots, none had a significant effect in the recovery of foraminifera by the end of the sampling period. The oil clearly had a negative impact on the reproduction cycle of the foraminifera within the oiled plots with no treatments added (Treatment C) because more deformities were generated during active reproduction. The addition of nutrients to the oiled plots (Treatment D) showed no positive effect on the foraminifera, and may have actually hindered recovery with respect to an increase in percent deformed. The added nutrients and cut plants in the Treatment E plots showed some signs of recovery within *M. fusca*, but not in all plots. The agricultural disking applied in Treatment F appeared to have the most detrimental effects because it mixed decomposed organic matter (low in O<sub>2</sub>) from the subsurface with the surface material, and enhanced oil penetration. Variability between replicate samples and percent deformed *M. fusca* actually increased due to the added stress.
- 5. Foraminifera are cost-effective, rapid and reliable indicators of oil spill contamination on a coastal salt marsh. They showed a response that was not caused by other factors, such as salinity or temperature change, and responded more rapidly than the macroorganisms and vegetation present in the marsh. Foraminifera provide a good fossil record in a marsh environment from which past events can be reconstructed, unlike other proxy indicators. The impact of a previous oil spill can thus be measured, and the level of mitigation and the natural rates of recovery within this type of marine environment can be determined.

#### **6.2 RECOMMENDATIONS**

Time and seasonal restrictions permitted only a five-month sampling period for this study. Further studies in the spring of 2001 would be very useful in determining the recovery rates of the vegetation and foraminifera in the new spring bloom. It might be advisable to sample for several years following this project to determine the long-term effects of the oil spill on the marsh and the effectiveness of the various treatments, compared against the natural recovery within those plots with only oil added (Treatment C). This year's unusually long winter and colder conditions may prolong recovery, pushing the spring bloom later into the year.

It would also be of interest to test other parts of the marsh, within the different zones of elevation. For instance, in the lower marsh, distribution and deformation patterns may be different because foraminifera are more sensitive to environmental stress in this area. Conducting a similar experiment under different environmental conditions would contribute additional insight to the implications oil can have on a range of settings, based on how foraminiferal assemblages respond. Farther north, species like *Miliammina fusca* are less abundant, and temperatures decrease metabolic rates within organisms, among other factors. As well, results would be much different because of the composition of the oil with respect to the colder temperatures. For example, at lower temperatures, evaporation may be slower, so toxicity could be worse. Similarly, farther south, warmer and different pH conditions favor much higher levels of calcareous species, which would have had their own reaction and response to increased levels of stress.

Although it is impossible to replicate natural conditions in a laboratory setting, especially for such an environment as a marsh, which represents the most extreme of all

marine environments, it might be beneficial to conduct a similar experiment in this type of controlled atmosphere where certain components could be added. This way, the response of those elements absent from the field (ie: calcareous species) could be observed and measured.

In this type of experiment, there are a variety of factors that may have contributed a certain amount of error to the data collected, especially because of the daily tides and human interference within the marsh. It was therefore important to practice caution and consistency when sampling and processing the samples.

#### TAXONOMY

The classification of foraminiferal genera is in accordance with Scott, Medioli and Schafer (2001). The following list includes all species of benthic foraminifera and mentioned throughout the text, tables and figures within this paper, and are listed in alphabetical order by genus.

## **BENTHIC FORAMINIFERA**

## Eggerella advena (Cushman)

Verneuilina advena Cushman, 1922, p.141.

*Eggellera advena* (Cushman). Cushman, 1937, p.51, pl.5, figs.12-15; Phleger and Walton, 1950, p.277, pl.1, figs.16-18; Scott et al., 1977, p.1579, pl.2, fig.7; Scott and Medioli, 1980a, p.40, pl.2, fig.7; Scott et al., 1991, p.385, pl.2, figs.1, 2.

#### *Elphidium excavatum* (Terquem)

*Polystomella escavata* Terquem, 1876, p.429, pl.2, fig.2. *Elphidium excavatum* (Terquem) formae Miller et al., 1982, (all).

## Glomospira gordialis (Jones and Parker)

*Trochammina squamata* var. *gordialis* Jones and Parker, 1860, p.304. *Glomospira gordialis* (Jones and Parker) Cushman and McCulloch, 1939, p.70, pl.5, fig.5, 6.

#### *Miliammina fusca* (Brady)

*Quinqueloculina fusca* Brady, 1870, p.286, pl.11, figs.4.4a, b. *Miliammina fusca* (Brady) Phleger and Walton, 1950, p.280, pl.1, figs.19a, b; Phleger, 1954, p.642, pl.2, figs.22, 23; Scott et al., 1977, p.1579, pl.2, figs.8, 9; Schafer and Cole, 1978, p.28, pl.12, fig.2; Scott and Medioli, 1980a, p.40, pl.2, figs.1-3; Scott et al., 1991, p.386, pl.1, fig.14.

#### Pseudothurammina limnetis (Scott and Medioli)

Astrammina sphaerica (Heron-Allen and Earland), Zaninetti et al., 1977, pl.1, fig.9. *Thurammina (?) limnetis* Scott and Medioli, 1980a, p.43, pl.1, figs.1-3. *Pseudothurammina limnetis* Scott and others, *In* Scott et al., 1981, p.126; Scott et al., 1991, p.386, pl.2.

#### Tiphotrocha comprimata (Cushman and Brőnnimann)

*Trochammina comprimata* Cushman and Brőnnimann, 1948, p.41, pl.8, figs.1-3; Phleger, 1954, p.646, pl.3, figs.20, 21.

*Tiphotrocha comprimata* (Cushman and Brőnnimann). Saunders, 1957, p.11, pl.4, figs.1-4; Scott et al., 1977, p.1579, pl.4, figs.3, 4; Scott and Medioli, 1980a, p.44, pl.5, figs.1-3; Scott et al., 1990, pl.1, figs.10a, b; Scott et al., 1991, p.388, pl.2, figs.5, 6.

## *Trochammina inflata* (Montagu)

Nautilas inflatus Montagu, 1808, p.81, pl.18, fig.3

Rotalina inflata Williamson, 1858, p.50, pl.4, figs.93, 94.

*Trochammina inflata* (Montagu). Parker and Jones, 1859, p.347; Phleger, 1954, p.646, pl.3, figs.22, 23; Scott et al., 1977, p.1579, pl.4, figs.6, 7; Scott and Medioli, 1980a, p.44, pl.3, figs.12-14; pl.4, figs.1-3; Scott et al., 1990, p.733, pl.1, figs.3a, b; Scott et al., 1991, p.388, pl.2, figs.7, 8; Scott et al., 1995, p.294, figs.6.10-17.

#### Trochammina macrescens (Brady)

*Trochammina inflata* (Montagu) var. *macrescens* Brady, 1870, p.290, pl.11, fig.5; Scott, 1976, p.320, pl.1, figs.4-7; Scott et al., 1977, pl.4, figs.6-7.

Jadammina polystoma Barenstein and Brand, 1938, p.381, figs.1, 2.

*Trochammina macrescens* Brady. Parker, 1952, p.460, pl.3, fig.3; Phleger, 1954, p.646, pl.3, fig.24; Scott and Medioli, 1980a, p.44, pl.3, figs.1-12; Scott et al., 1990, p.733, pl.1, figs.1a, b, 2a-c; Scott et al., 1991, p.388, pl.2, figs.10, 11; Scott et al., 1995, p.294, p.294, figs.6.6-8.

#### *Trochammina ochracea* (Williamson)

Rotalina ochracea Williamson, 1858, p.55, pl.4, fig.112, pl.5, fig.113. Trochammina squamata Parker and Jones, 1865, p.407, pl.15, figs.30, 31; Scott and

Medioli, 1980a, p.45, pl.4, figs.6, 7.

*Trochammina squamata* Parker and Jones, and related species. Parker, 1952, p.460, pl.3, fig.5.

*Trochammina ochracea* (Williamson). Cushman, 1920, p.75, pl.15, fig.3; Scott and Medioli, 1980a, p.45, pl.4, figs.4, 5.

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# APPENDIX A

**Data Tables** 

Table A-1

Table of results for foraminiferal occurrences for Treatment A (Control plot with nutrient enrichment; no oil), Plots 1 and 2, for weeks 0-22. The living and total (live plus dead) number of the total number of species per 10cc, and the living and total (live plus dead) number of the total number of individuals per 10cc are included. Relative percentages of both living and total (live plus dead) foraminiferal species are also included. Percentages of living and total per individual species represent the percentage out of living and total numbers for all species. Percentages of living deformed and total deformed per individual species represent the percentage out of the living and total for that species only. The whole number of living Ostracods is also included at the bottom of the table. L= living, T= total (live plus dead), Ld= living deformed, Td= total (live plus dead) deformed.

TREATMENT 1A Plot#date	Control	Not with nu	itrient enri	chment (no	oll)											
	1A/week0	1A/week1	Τ	1A/week3	1	1A/week5	1	1A/week8		1A/week10	+	1A/week14		1A/week18		1A/week22
Composite #	-	81	D4	83	P6	A2	F4	C1	E5	C2	E4		F5		D6	A1
Total # of species (L	8	3 3	4	6	5	5	6					6	7			5
(10cc (T)	5	6	6 E	8 7	7	6	8	5	7	7	6	6	7	5	6	6
Total # of individuals (L	) 1224	1928	1272	1824	2824	2536	2536	4000	4248	2056	1760	3136	3296	3256	2624	2952
/10cc (T)	3408	3368	2512	2672	4912	4008	4568	5624	5744	3216	3512	4624	4328	4136	3360	3808
Eggerella advena (l.				0 0	0	0	0	0	0	0.39	0	0	0.73	0	0.3	0.27
(T)	0.94								0	0.25	0.23		0.74	0	0.24	0.21
Elphidium excavatum (L)	C						0	0	0	0	0	0	0	0	0	0
(T)							0	0	0	0	0	0	0	0	0	C
Giomospira gordialis (L	) C															
(T)	(												0			0
nner linings (L)	0.65								1.69				1.7			
(†)	0.7								2.65		4.56		2.4			1.89
Villiammina fusca (L)	3.27							5.6	12.3		10.9		33.7		18.3	0.54
(Ld)	20					0			0				1.44			(
<u>(T)</u>	13.6								14.2				32.3			1.26
(Td)	6.9								0				1.71			<u> </u>
Pseudo.limetis (L)																
(T)	C															
Thecamoebians (L																(
(T)	0.23															
Tphotrocha comprimata (L (T)	0.65												0.24			
Trocha.inflata (L)	0.23												0.55			5.9
(Ld)																0.90
(T)																5.04
(Td)																5.04
Trocha.macrescens (L							+									
(T)	1.17							0								
Trocha.mac.polystoma (L)	86.3						77.6						58.3			93
(La									0.0							(
(T)	74.2								78.4							90.6
(Td)	(								0							
Trocha.ochracea (L)						0.68			1.69				3.64			0.27
(T)	4.69												5.18			1.05
				1		1										
Ostracods (T#	16	48	128	96	240	8	88	72	8	8	8	0	8	8	16	8
				1		1										
		1	1									1	(	1	1	
TREATMENT 2A	Control p	lot with nu	trient enric	chment (no	oil)											
Plot#date	Control p 2A/week0	2A/week1		2A/week3		ZA/week5		2A/week8		2A/week10		2A/wesk14		2A/wesk18		2A/week22
Plot#date Composite #	2A/week0 -	2A/week1 B1	D4	2A/week3 B3	F6	A2	F4	C1	E6	C2	<b>E</b> 4	B2	F6	A3	D6	A1
Plot#date Composite # Total # of species (L	2A/week0 -	2A/week1 B1	D4	2A/week3 B3 1 7	<b>F6</b> 5	A2 7	7	C1 5	6	C2 5	4	B2 5	5	A3 7	6	A1
Plot#date Composite # Total # of species (L /10cc (T)	2A/week0 - {	2A/week1 B1 5 3 9 5	D4	2A/week3 83 7 7	<b>F6</b> 5 7	A2 7	7	C1 5	6	C2 5 5	4	B2 5 5	5	A3 7	6 6	A1
Plot#date Composite # Total # of species (L /10cc (T) Total # of individuals (L	2A/week0 - ) <u>5</u> 2 ) 1664	2A/week1 B1 3 3 3 5 5 4 2592	D4	2A/week3 B3 7 7 7 2976	F6 5 7 2658	A2 7 8 3584	7 8 1752	C1 5 3544	6 7 3088	C2 5 2376	2528	B2 5 5 3 1456	5 5 3584	A3 7 7 4440	6 6 3720	A1
Plot#date Composite # Total # of species (L (10cc (T) Total # of individuals (L (10cc (T)	2A/week0 - ) { 1664 3976	2A/week1 B1 3 3 3 5 4 2592 3 5962	D4 1520 1520 1520	2A/wsek3 53 7 7 2976 2 4800	F6 5 2656 5584	A2 7 8 3584 4896	7 8 1752 2424	C1 5 3544 5608	6 7 3088 4600	C2 5 2376 3528	4 2528 4192	B2 5 5 3 1456 2 2640	5 5 3584 4752	A3 5 7 6 7 1 4440 2 5760	6 8 3720 5168	A1 370- 576
Plot#date Composite # Total # of species (L (10cc (T) Total # of individuals (L (10cc (T) Eggereila advena (L	2A/week0 - ) 6 ) 1084 3976 ) ()	2A/week1 B1 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5	D4	2A/wsek3 B3 7 7 2976 24800 0.27	F6 5 2856 5584 0	A2 7 8 3584 4896 0.45	7 8 1752 2424 0.46	C1 5 3544 5608	6 7 3088 4600 0	C2 5 2376 3528 0	4 2528 4192	<b>B2</b> <b>1</b> 5 5 5 3 1456 2 2640 0 0	5 5 3584 4752	A3 5 7 5 7 6 4440 2 5760 0 0.18	6 8 3720 5168 0	A1 370- 5760
Plot#date Composite # Total # of species (L (10cc (T) Total # of individuals (L (10cc (T) Eggereila advena (C) (T)	2A/week0 - )	2A/week1 B1 5 33 9 55 4 2592 5 5962 0 00 4 00	D4 1520 4952 0 0 0	2A/week3 B3 7 7 7 7 7 7 7 7 7 7 7 7 7	<b>F6</b> 57 2856 5584 0 0	A2 7 8 3584 4896 0.45 0.33	7 8 1752 2424 0.46 0.33	C1 55 3544 5608 00	6 7 3088 4600 0 0	C2 5 2376 3528 0 0	4 2528 4192 0	<b>B2</b> 1 5 5 5 3 1456 2 2640 0 0 0 0	5 5 3584 4752 0 0	A3 5 7 6 7 7 4440 2 5760 0 0.18 0 0.14	6 8 3720 5168 0 0	A1
Plot#date Composite # Total # of species (L 1/0cc (T)) Total # of individuals (L 1/0cc (T) Eggerella advena (L (T)) Elphidium excavatum (L)	2A/week0 - ) 5 ) 1684 3976 ) 0.4	2A/week1 B1 3 33 4 2592 5 5952 0 00 4 00 0 00	D4 1520 15	2A/week3 B3 7 7 2976 2976 24800 0.27 0.33 0 0.0	<b>F6</b> 5 7 2656 5584 0 0 0 0 0	A2 7 8 3584 4896 0.45 0.33	7 8 1752 2424 0.46 0.33	C1 55 3544 5608 00 00 00	6 7 3088 4600 0 0 0	C2 5 2376 3528 0 0 0 0	4 2528 4192 0 0 0	<b>B2</b> 4 5 5 5 3 1456 2 2640 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 3584 4752 0 0 0	A3 5 7 6 7 6 4440 2 5760 0 0.18 0 0.14 0 0	6 8 3720 5168 0 0 0 0	A1
Plot#date Composite # Total # of species (L 110cc (T) Total # of individuals (L 110cc (T) Eggerella advena (T) Ephdium excavatum (L) (T)	2A/wesk0 - ) 664 3976 .) 0.4 (0.4	2A/week1 B1 3 3 4 2592 5 5952 0 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 1520 2 1520 2 4952 0 00 0 00 0 0 00 0 00 0 0 0 0 0 0 0 0 0 0 0 0	2A/week3 B3 7 7 7 7 7 7 7 7 7 7 7 7 7	<b>F6</b> 57 2856 5584 0 0 0 0	A2 7 8 3584 4896 0,45 0,33 0,33 0 0	7 8 1752 2424 0.46 0.33 0 0 0 0	C1 55 3544 5608 00 00 00 00	6 7 3088 4600 0 0 0 0 0	C2 5 2376 3528 0 0 0 0 0 0 0	4192 4192 00 00 00	B2           1         5           3         1456           2         2640           0         0           0         0           0         0           0         0	5 5 3584 4752 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 7 44400 5760 0.18 0.014 00 00 00 00 00 00 00 00 00 0	6 8 3720 5168 0 0 0 0 0	A1 370 576
Plot#date Composite # Total # of species (L. 10cc (T) Total # of individuals (L 10cc (T) Eggerella advena (L) (T) Elphidium excavatum (L) (T) Giomospira gordialis (L	2A/week0 	2A/week1 B1 5 33 9 55 9 5952 9 0 00 1 00 1 00 0 00	D4 1520 2 1520 2 4952 0 00 0 00 0 0 00 0 00 0 0 0 0 0 0 0 0 0 0 0 0	2A/week3 B3 2976 2976 24800 0.27 0.33 0.00 0.0	<b>F6</b> 5 2656 5584 0 0 0 0 0 0 0	A2 7 8 3584 4896 0.45 0.33 0.33 0.0 0 0 0 0 0 0 0 0 0	7 8 1752 2424 0.46 0.33 0 0 0 0 0 0 0 0 0 0	C1 55 3544 5608 00 00 00 00 00	6 7 3088 4600 0 0 0 0 0 0 0 0 0 0 0	C2 5 2376 3528 0 0 0 0 0 0 0 0 0 0		B2           5         5           3         1458           2         2640           0         0           0         0           0         0           0         0           0         0	55 55 3584 4752 00 00 00 00 00 00	A3 7 4440 5760 0.18 0.014 0.014 0.00 0.0	6 8 3720 5168 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 370 576
Plot#date Composite # Total # of species (L. Titota f of individuals (L. 1/dcc (T) Eggerella advena (L) Elphidium excavatum (L) (T) Glomospira gordialis (( (T)	2A/week0 	2A/week1 B1 5 33 9 5592 8 55952 0 00 1 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 3 1520 2 4952 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2A/week3 83 2976 29976 29976 29976 29976 29976 29976 000 000 000 000 000 000 000 0	<b>F6</b> 5584 5584 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 8 3584 4896 0.45 0.33 0.33 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 8 1752 2424 0.46 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 55 3544 5608 00 00 00 00 00 00 00 00 00 00 00 00 0	6 7 3088 4600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 2376 3528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		B2           1         5           5         5           3         1456           2         2640           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	5 3584 4752 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3           i         7           i         7           i         4440           2         5760           0         0.18           0         0.14           0         0           0         0           0         0           0         0           0         0           0         0	6 8 3720 5168 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
Plot#date Composite # Total # of species (L 110cc (T) Total # of individuals (L 110cc (T) Eggeralla advena (L (T) Ephdium excavatum (L) (T) Giomospira gordialis (T) nner linings (L)	2A/week0 	2A/week1 B1 5 33 6 55 6 5962 5 5962 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 1520 4950 0 00 0	2A/week3 B3 7 7 7 7 7 7 7 7 7 7 7 7 7	<b>F6</b> 57 2656 5584 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 8 3584 4896 0.45 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 8 1752 2424 0.46 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 55 3544 5608 00 00 00 00 00 00 00 00 00 00 00 00 0	6 7 3088 4600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 2376 3528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		B2           1         5           5         5           3         1456           2         2640           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	5 3584 4752 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3           i         7           i         7           i         4440           2         5760           0         0.18           0         0.14           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	6 8 3720 5168 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
Plot#date Composite # Total # of species (L r10cc (T) Total # of individuals (I r10cc (T) Eggerella advena (I) Ephdium excavetum (L) (T) Giomospira gordialis (I) Giomospira gordialis (I) (T) nner linings (L) (T)	2A/week3 - ) <u>£</u> 3976 ) 1664 3976 ) C C C C C 1.97 1.61	2A/week1 B1 5 3 9 55 5 5952 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 1520 4952 0 00 0	2A/week3 B3 7 7 7 7 7 7 7 7 7 7 7 7 7	<b>F6</b> 5 2656 5584 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 8 3584 4896 0.45 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 8 1752 2424 0.46 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 554 5608 5608 5000 0000 0000 0000 0000 0000	6 7 3088 4600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 55 2376 3528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 2528 4192 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2           1         5           5         5           8         1458           2         2640           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           1.1         1.82	55 3584 4752 00 00 00 00 00 00 00 00 00 00 00 00 00	A3           5         7           6         7           7         4440           2         5760           0         0.18           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	6 6 3720 5168 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
Plot#date Composite # Composite # Total # of species (L. 1/lOcc (T) Eggerella advena (I (T) Ephdum excavatum (L) (T) Siomospira gordialis (I (T) nner linings (L) Millemmina fusca (L)	2A/week0 - ) 8 2 (1964 3976 ) 0.4 (0.4 (0.4) (0.	2A/week1 B1 3 3 5 5 4 2592 5 5952 5 5952 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 1520 1520 1520 1520 0 0 0 0 0 0 0 0 0 0 0 0 0	2A/week3 B3 2976 2976 2976 2976 2976 2976 2976 2976 200 000 000 000 000 000 000 00	<b>F6</b> 5584 5584 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 8 3584 4896 0.45 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 8 1752 2424 0.46 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 55 3544 5608 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 3088 4600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 2376 3528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		B2           1         5           5         5           8         1456           2         2640           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         3           3         3.85	55 3584 4752 00 00 00 00 00 00 00 00 00 00 00 00 00	A3           5         7           4440         5760           2         5760           0         0.18           0         0           0         3	6 8 3720 5168 0 0 0 0 0 0 1.72 2.48 12.5	A1 370 576 1.77 2.66 5.11
Plot#date Composite # Total # of species (L. 110cc (T) Total # of individuals (L 110cc (T) Eggerella advena (L (T) Egpidium excavatum (L) Giomospira gordialis (L) inner linings (L) (T) Millammina fusca (L) (Ld)	2A/week3 - )	ZAvesk1         B1           5         3           9         5           4         2592           5         5           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	D4 4 7 1522 4952 0 0 0 0 0 0 0 0 0 0 0 0 0	2A/week3 B3 7 7 7 2 4800 2 4800 0 0 0 0 0 0 0 0 0 0 0 0	<b>F6</b> 5 7 2858 5584 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 88 3584 4896 0.45 0.33 0 0 0 0 0 0 0 0 0 1.12 1.14 1.17 7.2.63	7 8 1752 2424 0.33 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 3544 5608 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 3088 4600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 2376 3528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 2522 4192 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2           1         6           5         5           3         1456           2         2640           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           1         1.82           3         3.85           5         0	55 3584 4752 00 00 00 00 00 00 00 00 00 00 00 00 00	A3           5         7           6         7           7         4440           2         5760           0         0.18           0         0.14           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	6 8 3720 5168 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
Plot#date Composite # Composite # Total # of species (L. 1/lOcc (T) Eggerella advena (I (T) Ephdum excavatum (L) (T) Siomospira gordialis (I (T) nner linings (L) Millemmina fusca (L)	2A/week0 - ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	24/weak1 81 53 55952 55952 55952 55952 50 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 7 2 1520 4952 0 0 0 0 0 0 0 0 0 0 0 0 0	24/wssk3 83 7 7 2976 24600 4600 4600 0.27 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0	<b>P6</b> 5 7 2656 5584 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 8 3564 4896 0.45 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 8 1752 2424 0.46 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 3544 5608 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 3088 4600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 3528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 2528 4192 0 0 0 0 0 0 0 0 0 0 0 0 0	B2           1         5           3         1456           2         2640           0         0	5 3584 4752 00 00 00 00 00 00 00 00 00 00 00 00 00	A3           5         7           6         7           7         4440           2         5760           0         0.18           0         0.14           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           2         3.75	6 6 3720 5168 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
Plot#date Composite # Total # of species (L. /floce (T) Total # of individuals (L Eggerella advena (L Eggerella advena (L (T) Ephidum excavatum (L) (T) Siomospira gordials ( (T) Inner linings (L) Millemmina fueca (L (Ld) (T) (T)	2A/week3 	24/weak1 81 5 3 3 5 259 5 25962 5 25962 5 0 00 0 00	D4 b 4 c 1522 c 4952 c 4952 c 0 c 0 c 0 c 0 c 0 c 0 c 0 c 0	24/week3 B3 7 7 7 2976 24800 0.0277 0.0277 0.033 0 0 0 0 0 0 0 0 0 0 0 0 0	<b>P6</b> 5 7 2856 5584 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 8 35644 4896 0.45 0.33 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 8 1752 2424 0.46 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 3544 5608 0 0 0 0 0 0 0 5 508 5 0 0 0 0 0 0 0 0	6 7 3088 4600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 3528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 2528 4192 0 0 0 0 0 0 0 0 0 0 0 0 0	B2           1         5           5         5           8         1455           2         2640           0         0	5 5 3584 4762 C C C C C C C C C C C C C C C C C C C	A3           5         7           6         7           7         4440           2         5760           0         0.14           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0.56           3         3.75           0         0	6 6 3720 5168 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
Plot#date Composite # Composite # Total # of species (L. 1/lOcc (T) Eggerella advena (I Eggerella advena (	2Avesta 	24/weak1 B1 5 3 3 5 3 5 5 2592 0 00 0 00	D4 5 4 6 7 7 1522 4952 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22/week3 B3 7 7 7 7 7 7 7 7 7 7 7 7 7	<b>F6</b> 5 7 2658 5584 500 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 8 3564 4896 0.45 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0	7 8 1752 24224 0.46 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 3544 5608 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 3088 4600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 3528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 25526 4192 0 0 0 0 0 0 0 0 0 0 0 0 0	B2         5         2         26400         0 <td>5 5 3584 4755 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A3         7           5         7           4440         5760           2         5760           0         0.18           0         0.144           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0</td> <td>6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7</td> <td>A1</td>	5 5 3584 4755 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3         7           5         7           4440         5760           2         5760           0         0.18           0         0.144           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	A1
Plot#/date           Composite #           Cotal # of species (L.           r/doc (T)           Total # of individuals (I           //doc (T)           Eggerella advena (I)           Eggerella advena (I)           Glomospira gordialis (I)           Inner linings (L)           Miliammina fusca (L,           (T)           Yesudo.limetis (L)	24/weekd - - - - - - - - - - - - -	24/weak1 B1 5 3 3 5 2592 5 2592 6 5962 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 b 4 c 1522 c 4952 c 0 c 0 c 0 c 0 c 0 c 0 c 0 c 0	24/week3 B3 7 7 7 7 7 7 7 7 7 7 7 7 7	<b>P6</b> 5 7 2858 5584 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 8 3564 4896 0.45 0.33 0.33 0.33 0.33 0.33 0.33 0.33 0.33 0.33 0.33 0.33 0.33 0.45 0.45 1.12 1.12 1.12 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	7 8 1752 2424 0.46 0.33 C C C C C C C C C C C C C C C C C C	C1 5 5 5 5 5 5 5 6 0 0 0 0 0 0 0 0 0 0 0 0	6 7 3088 4600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 3528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 4 6 2628 4 192 4	B2           5         5           8         14568           2         2640           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	A3         7           5         7           4440         5760           2         5760           0         0.14           0         0.14           0         0.0           0         0.0           0         0.0           0         0           0         0           0         0.0           0         0.0           0         0.056           3         3.75           0         0           0         0.0           0         0           0         0	6 6 6 7 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
Plot#date Composite # Total # of species (L rflOce (T)) Total # of individuals (L rflOce (T)) Eggerella advena (U (T) Elphidum excavetum (L) (T) Glomospira gordialis (I (T) Milliammina fusca (L) (Ld) (T) Pseudo.limetis (L) (T)	24/weekd - - - - - - - - - - - - -	24/week1 B1 5 3 3 5 592 5 5962 5 5962 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 D4 D4 D4 D4 D4 D4 D4 D4 D4	22/week3 B3 7 7 2976 4800 0.277 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0	<b>P6</b> 554 554 00 00 00 00 00 00 00 00 00 00 00 00 00	A2 7 8 3584 4896 0.45 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0	7 8 1752 2424 0.46 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 5 5 5 5 5 6 0 0 0 0 0 0 0 0 0 0 0 0	6 7 3088 4600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 2376 3528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 2528 4192 0 0 0 0 0 0 0 0 0 0 0 0 0	B2         5         6         70         0	5 5 5 5 5 5 6 4 7 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	A3           5         7           6         7           7         44400           2         5760           0         0.18           0         0.18           0         0.10           0         0           0         0           0         0           0         0           0         0           0         0           0         0.54           0         0.56           3         3.75           0         0           0         0           0         0	6 6 6 7 7 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 370 576 
Plot#date Composite # Composite # Total # of species (L ridec (T) Total # of individuals (I ridec (T) Eggenella advena (I) Ephidum excavetum (L) Glomospira gordialis (I more linings (L) Millemmina fusca (L (T) (T) Pseudo. limetis (L) (T) Thecamoebians (L (T)	24/weekd 	24/week1 B1 3 3 3 5 5 3 5 259622 5 6962 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 D4 152C 152C 0 C 0 C 0 C 0 C 0 C 0 C 0 C 0	24/week3 83 77 77 29762 4800 0.027 0 0 0 0 0 0 0 0 0 0 0 0 0	<b>P6</b> 5 5584 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 8 3564 4896 0.454 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0	7 8 17552 2424 0.46 0.33 C C C C C C C C C C C C C C C C C C	C1 5 5 3544 5608 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 3088 4600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 3528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 2522 4192 C C C C C C C C C C C C C	B2           1         5           5         5           8         14565           9         14562           2         2840           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         6.97           5         0           0         0           0         0           0         0	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	A3         7           6         7           6         7           6         7           1         4440           2         5760           0         0.14           0         0.10           0         0           0         0           0         0           0         0.56           3         3.75           0         0           0         0           0         0           0         0           0         0           0         0           0         0	6 6 6 7 7 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 370 576 576 1.7 2.6 5.1
Plot#vdate           Composite #           Contal # of species (L.           10cc (T)           Total # of individuals (I           10cc (T)           Eggenella advena (I)           Ephdium excavetum (L)           Tomospira gordialis (I           mner linings (L)           Villemmina fusca (L)           (T)           2seudo. limetis (L)           Thecamoebians (L)           (T)	24/weekd - - - - - - - - - - - - -	24/week1 B1 5 33 5 5862 5 5862 0 00 0 00	D4 D4 2 1522 4952 0 C 0 C 0 C 0 C 0 C 0 C 0 C 0 C	24/week3 83 7 7 2976 24800 0.27 0.033 0 0 0 0 0 0 0 0 0 0 0 0 0	P6           5           7           2858           5564           0	A2 8 3584 4896 0.454 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0	7 8 17552 2424 0.46 0.333 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 3544 5608 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 3088 4600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 2376 3528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 25222 4192 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2           5         5           5         5           8         1456           9         0           0         0	5 5 3584 4762 C C C C C C C C C C C C C C C C C C C	A3         7           7         7           4440         5760           0.14         0.0           0.0         0.0           0.0         0.0           0.0         0.0           0.0         0.0           0.0         0.0           0.0         0.0           0.0         0.0           0.0         0.0           0.0         0.0           0.0         0.0           0.0         0.0           0.0         0.0           0.0         0.0           0.0         0.0	6 6 6 7 7 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
Plot#date           Composite #           Total # of species (L.           10cc (T)           Total # of individuals (L)           10cc (T)           Eggerella advena (L)           Eggerella advena (L)           Total # of individuals (L)           Signospira gordials (G)           There inings (L)           Millemmina fueca (L)           (T)           Seudo.limetis (L)           T)           Pseudo.limetis (L)           T)           Photocha comprimata (L)           (T)           Photocha comprimata (L)           (T)	24/west0 - - - - - - - - - - - - -	24/week1 B1 5 3 3 5 592 5 5962 5 5962 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 D4 1520 1520 1520 0 00 0 00 0 0 00 0 00 0 0 00	22/week3 B3 7 2 2976 2 48000 0 0.27 0 0.	#6           5           7           2858           5564           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0.14           0           0	A2 7 8 3554 4896 0.454 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0	7 8 2424 0.46 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 3544 3544 5608 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 3088 4600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 3528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 25252 4192 0 0 0 0 0 0 0 0 0 0 0 0 0	B2           1         5           5         5           8         14562           2         2640           0         0	5 5 3594762 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3         7           0         7           0         4440           0         0.14           0         0.14           0         0.14           0         0.0           0         0	6 6 6 7 7 7 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
Plot#date           Composite #           Total # of species (L.           10cc (T)           Total # of individuals (L)           10cc (T)           Eggerella advena (L)           Eggerella advena (L)           Total # of individuals (L)           Signospira gordials (G)           There inings (L)           Millemmina fueca (L)           (T)           Seudo.limetis (L)           T)           Pseudo.limetis (L)           T)           Photocha comprimata (L)           (T)           Photocha comprimata (L)           (T)	24/westd - - () 1664 () 16	24/week1 B1 3 3 5 5 6962 5 6962 0 0 0 0 0 0 0 0 0 0 0 0 2 0 0 2 0 0 2 0 0 2 0 0 0 0 0 0 0	D4 A 5 7 15222 4952 0 0 0 0 0 0 0 0 0 0 0 0 0	24/week3 83 7 29760 209760 200 200 200 200 200 200 200 2	<b>P6</b> 554 554 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 8 3564 4896 0.454 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0	7 8 8 2424 0.46 0.33 0 C C C C C C C C C C C C C C C C C C C	C1 5 5 3544 5608 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 3088 4600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 3528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 25222 25222 0 0 0 0 0 0 0 0 0 0 0 0 0	B2           1         5           5         5           8         14562           2         2840           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	5 5 5 5 5 5 5 5 5 5 5 5 5 5	A3         7           6         7           6         7           1         4440           2         5760           0         0.14           0         0.14           0         0           0         0           0         0           0         0           0         0.56           3         3.75           0         0	6 8 37202 51688 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
Plot#date           Composite #           Composite #           Total # of species         (L           riface         (T)           Eggeralla advena         (T)           Eggeralla advena         (T)           Eggeralla advena         (T)           Biggeralla advena         (T)           Biggeralla advena         (T)           Siomospira gordialis (I)         (T)           Millemmina fusca         (L)           (T)         (T)           Pseudo.limetis         (L)           (T)         (T)           Thecamoebians         (T)           Tpohotocha comprimata (L)         (T)           Trocha.inflata         (L)           (T)         (T)	24/weekd 	24/week1 B1 3 3 5 3 25962 3 5962 3 5962 3 5962 3 5962 3 5962 3 5962 3 5962 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 5 4 4 5 6 6 6 6 6 6 6 6 7 4 9 5 6 6 6 6 6 6 6 7 7 4 9 5 6 6 6 6 6 6 6 6 6 6 6 6 6	24/week3 83 77 77 2976 24800 0.027 0.033 0 0 0 0 0 0 0 0 0 0 0 0 0	<b>F6</b> 5 77 26555 5584 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 8 3554 4896 0.454 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0	7 8 17552 2424 0.33 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	C1 5 5 3544 5608 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 3088 4600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 3528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 2522 2522 4192 0 0 0 0 0 0 0 0 0 0 0 0 0	B2           1         5           5         5           8         14562           2         2640           0         0	5 5 5 3594 762 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3         7           0         7           0         4440           0         0.14           0         0.14           0         0.14           0         0.0	6 6 7 7 7 7 7 8 7 7 7 7 7 8 7 7 7 8 7 7 7 7 7 7 7 7 7 7 7 7 7	A1
Plot#date           Composite #           Composite #           Concolit # of species         (L           ridoc         (T)           Total # of individuals (L         (T)           Eggerelita advena         (U           Eggerelita advena         (T)           Eggerelita advena         (T)           Ebpidium excavetum (L)         (T)           Giomospira gordialis (I)         (T)           Inner linings         (T)           Miliammina fusca         (L)           (Ld)         (T)           Pseudo.limetis         (L)           Thecamoebians         (T)           Inphotrochs comprimates         (L)           (Tod)         (Td)           (Ld)         (T)	24/west0 	24/week1 B1 Comparison of the second	D4 A 5 7 1522 4952 0 0 0 0 0 0 0 0 0 0 0 0 0	24/week3 83 7 2976 2976 24800 0.027 0.033 0 0 0 0 0 0 0 0 0 0 0 0 0	<b>P6</b> 554 554 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 8 3554 4896 0.455 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0	7 8 2424 0.46 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 3644 5608 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 3088 4600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 3528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 25222 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2           5         5           5         5           8         1456           0         0	5 5 5 5 5 5 5 5 5 5 5 5 5 5	A3         7           7         7           4440         5           0         0.14           0         0	6 8 37202 5168 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
Plot#date Composite # Composite # Composite # Total # of species (L. /floce (T) Eggerella advena (U) Eggerella advena (T) (T) Elphdium excavatum (L) (T) Giomospira gordialis (I) (T) Millaammina fusca (L (Ld) (T) Pseudo.limetis (L) (T) Pseudo.limetis (L) (T) Thecamoebians (L (T) Trocha.inflata (Ld) (T) (T) (T) (T) (T) (T) (T) (T) (T) (T	24/west(0 	24/week1 B1 5 33 5 33 5 5862 5 9662 0 00 0 000 0 000 0 000 0 000 00	D4 D4 C 152C 4952 0 C 0 C 0 C 0 C 0 C 0 C 0 C 0 C	22/week3 83 7 7 2976 24600 0.27 0.033 0.0 0.0 0.0 0.0 0.0 0.0 0	P6           5           7           2856           5564           0           0           0           0           0           0           0           0           0           0           0           0           0           0.14           0           0.13.9           0           10.5           1.37           0	A2 7 8 3554 4896 0.454 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0	7 8 17552 2422 0.46 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 3544 5608 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 3088 4600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 3528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 2522 4192 0 0 0 0 0 0 0 0 0 0 0 0 0	B2           5         5           5         5           8         1456           9         0           0         0	5 5 5 5 5 5 5 5 5 5 5 5 6 0 0 0 0 0 0 0	A3         7           0         7           0         4440           0         0.760           0         0.14           0         0.10           0         0           0         0           0         0           0         0           0         0           0         0.56           3.3.75         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0.144           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	6 8 37200 5168 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
Piot#date           Composite #           Composite #           Total # of species         (L           /floce         (T)           Total # of individuals (I         (T)           Eggerella advena         (I)           Eggerella advena         (T)           Biphidum excavetum (L)         (T)           Glomospira gordialis (I)         (T)           Milliammina fusca         (L)           (T)         (Ld)           Pseudo.limetis         (L)           Proceancebians         (L)           Trocha.inflata         (L)           (T)         (T)           Trocha.inflata         (L)           (T)         (T)           Trocha.macrescent         (T)	24/weekd 	24/week1 B1 3 3 5 3 259622 3 59622 3 59622 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 A 5 7 4952 4952 0 0 0 0 0 0 0 0 0 0 0 0 0	24/meek3 83 77 29762 4800 0.027 0.033 0 0 0 0 0 0 0 0 0 0 0 0 0	<b>F6</b> 5584 00 00 00 00 00 00 00 00 00 00 00 00 00	A2 7 8 8 3564 4896 0.454 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 8 8 2424 0.46 0.33 0 C C C C C C C C C C C C C C C C C C C	C1 5 5 3544 5608 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 30588 4600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 3528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 2522 252	B2           1         5           5         5           8         14562           2         2640           0         0	5 5 5 5 5 5 5 5 5 5 5 5 5 5	A3         7           0         7           0         4440           0         0.14           0         0.14           0         0.14           0         0.14           0         0.14           0         0.0           0         0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.14           0         0.14           0         0.14           0         0.14           0         0.14           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0	6 6 7 7 7 7 7 7 7 7 7 7 7 7 7	A1
Plot#date Composite # Composite # Total # of species (L. /floce (T) Eggerella advena (U) Eggerella advena (U) (T) Elphdium excavatum (L) (T) Giomospira gordialis (I) (T) Millammina fusca (L (Ld) (T) Pseudo.limetis (L) (T) Pseudo.limetis (L) (T) Thecamoebians (L (T) Trocha.inflata (Ld) (T) (T) (T) (T) (T) (T) (T) (T) (T) (T	24/weekd 	24/week1 B1 3 3 5 3 259622 3 59622 3 59622 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 A 5 7 4952 4952 0 0 0 0 0 0 0 0 0 0 0 0 0	24/meek3 83 77 29762 4800 0.027 0.033 0 0 0 0 0 0 0 0 0 0 0 0 0	<b>F6</b> 5584 00 00 00 00 00 00 00 00 00 00 00 00 00	A2 7 8 8 3564 4896 0.454 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 8 8 2424 0.46 0.33 0 C C C C C C C C C C C C C C C C C C C	C1 5 5 3544 5608 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 30588 4600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 3528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 2522 252	B2           1         5           5         5           8         14562           2         2640           0         0	5 5 5 5 5 5 5 5 5 5 5 5 5 5	A3         7           0         7           0         4440           0         0.14           0         0.14           0         0.14           0         0.14           0         0.14           0         0.0           0         0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.144           7.57         0           0         0.142           0.144         7.57           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0	6 6 7 7 7 7 7 7 7 7 7 7 7 7 7	A1
Plot#date Composite # Composite # Composite # Total # of species (L. f/lOc (T) Total # of individuals (I f/lOc (T) Eggerella advena ((T) Eggerella advena ((T) Thilliammina fusca (L (Ld) (T) Pseudo.limetis (L) (Td) Pseudo.limetis (L) (Td) Pseudo.limetis (L) (Td) Thocha.inflata (L) (T) frocha.macrescens (L (T) (Tocha.macrescens (L) (T) (Tocha.macrescens (L) (T) Precha.macrescens (L) (T) Precha.macrescens (L) (T) Procha.macrescens (L) (T) (T) Procha.macrescens (L) (T) (T) Procha.macrescens (L) (T) (T) Procha.macrescens (L) (T) (T) Procha.macrescens (L) (T) (T) (T) (T) (T) (T) (T) (T) (T) (T	24/weekd - - - - - - - - - - - - -	24/week1 B1 3 3 5 3 5 5862 5 6962 5 6962	D4  D4  A  A  A  A  A  A  A  A  A  A  A  A  A	24/week3 83 7 7 7 7 7 7 7 7 7 7 7 7 7	<b>F6</b> 5 7 26555 5584 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 8 8 3554 4896 0.454 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 7 8 17552 2424 0.46 0.33 0.66 0.67 7.22 0.66 0.66 0.66 0.66 0.66 0.50 0.66 0.65 0.02	C1 5 5 3544 5608 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 3088 4600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 3528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 2522 4192 0 0 0 0 0 0 0 0 0 0 0 0 0	B2           5         5           5         5           8         1456           9         0           0         0	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	A3         7           0         7           0         4440           0         0.14           0         0.16           0         0.16           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.14           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.14           7.57         0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0           0         0.0           0	6 6 7 7 7 7 7 8 7 7 7 7 7 7 7 7 7 7 7 7 7	A1
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Plot#date Composite # Composite # Composite # Total # of species (L /fOce (T)) Eggerella advena (U (T) Eggerella advena (U (T) Ephidum excavatum (L) (T) Glomospira gordialis (I (T) finner linings (L) (L) (L) (L) (L) (L) (L) (L) (L) (L)	24/weekd - - - - - - - - - - - - -	24/week1 B1	D4 D4 1522 4952 0 C 0 C 0 C 0 C 0 C 0 C 0 C 0 C	24/week3 83 7 2976 24800 0.27 0.033 0.0 0.0 0.0 0.0 0.0 0.0 0	P8           5           7           2858           5564           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           13.9           0 <td< td=""><td>A2 7 8 8 3554 4896 0.454 0.53 0 0.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>7 8 8 1755 2424 0.46 0.33 0 0.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>C1 5 5 3544 5608 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>6 7 3088 4600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>C2 5 5 3528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>4 25222 25222 25222 25222 25222 252 25 25</td><td>B2           5         5           5         5           8         1456           9         0           0         0</td><td>5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5</td><td>A3         7           3         7           4440         5           0         0.14           0         0.01           0         0      0         0     &lt;</td><td>6           8           37202           5168           0&lt;</td><td>A1</td></td<>	A2 7 8 8 3554 4896 0.454 0.53 0 0.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 8 8 1755 2424 0.46 0.33 0 0.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 3544 5608 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 3088 4600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 3528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 25222 25222 25222 25222 25222 252 25 25	B2           5         5           5         5           8         1456           9         0           0         0	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	A3         7           3         7           4440         5           0         0.14           0         0.01           0         0      0         0     <	6           8           37202           5168           0<	A1
Plot#date Composite # Composite # Composite # Total # of species (L /floce (T) Eggerella advena (I) Eggerella advena (I) (T) Ephidium excavetum (L) (T) Glomospira gordialis (I (T) Millammina fusca (L (T) Millammina fusca (L) (T) Millammina fusca (L) (T) Pseudo. Ilmetis (L) (T) Pseudo. Ilmetis (L) (T) Thecamoebians (I (T) Trocha. comprimata (L) (T) Trocha.macrescens (L (T) Trocha.macrescens (L) (T) Trocha.macrescens (L) (T) Trocha.coprivatoma () (T) Trocha.coprivatoma () (T) Trocha.coprivatoma () (T) Trocha.coprivatoma () (T) Trocha.coprivatoma () (T) Trocha.coprivatoma () (T) Trocha.coprivatoma () (T) Trocha.coprivatoma () (T) Trocha.coprivatoma () (T)	24/weekd 	24/week1 B1 3 3 5 3 25962 3 5962 3 5962 3 5962 3 5962 3 5962 3 5962 3 5962 3 5962 3 5962 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4  D4  A  A  A  A  A  A  A  A  A  A  A  A  A	24/meek3 B3 7 7 2976 24800 0.027 0.033 0 0 0 0 0 0 0 0 0 0 0 0 0	<b>F6</b> 5 7 26555 5584 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 8 8 3564 9 6 0.454 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 7 8 7 8 17552 2424 0.46 0.33 0.0 0.0 0.0 0.0 0.0 0.0 0.	C1 5 5 3544 5608 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 30583 4600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 3528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 2522 2522 4192 0 0 0 0 0 0 0 0 0 0 0 0 0	B2           1         5           5         5           8         1456           0         0      0         0      0	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	A3         7           0         7           0         4440           0         0.14           0         0.14           0         0.14           0         0.14           0         0.14           0         0.0           0         0           0         0           0         0.0	6 6 7 7 7 7 7 8 7 7 7 7 7 7 7 7 7 7 7 7 7	A1
Plot#date Composite # Composite # Cotal # of species (L 10cc (T) Total # of individuals (I 10cc (T) Eggerella advena (I) Eggerella advena (I) Eggerella advena (I) T(T) Eghidum excavetum (L) (T) Siomospira gordialis (I) (T) (T) Siomospira gordialis (I) (T) (T) Tomospira gordialis (I) (T) Total (I) Total (I) Tocha.inflata (L) (T) Trocha.macrescens (L (T) Tocha.macrescens (L) (T) Tocha.macrescens (L) (T)	24/weekd - - - - - - - - - - - - -	24/week1 B1 3 3 5 3 25962 3 5962 3 5962 3 5962 3 5962 3 5962 3 5962 3 5962 3 5962 3 5962 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4  A  A  A  A  A  A  A  A  A  A  A  A  A	24/meek3 B3 7 7 2976 24800 0.027 0.033 0 0 0 0 0 0 0 0 0 0 0 0 0	<b>F6</b> 5 7 26555 5584 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 8 8 3564 9 6 0.454 0.33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 7 8 7 8 17552 2424 0.46 0.33 0.0 0.0 0.0 0.0 0.0 0.0 0.	C1 5 5 3544 5608 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 30583 4600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 3528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 2522 2522 4192 0 0 0 0 0 0 0 0 0 0 0 0 0	B2           1         5           5         5           8         1456           0         0      0         0      0	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	A3         7           0         7           0         4440           0         0.14           0         0.14           0         0.14           0         0.14           0         0.0           0         0           0	6 6 7 7 7 7 7 8 7 7 7 7 7 7 7 7 7 7 7 7 7	A1

**Table A-2**Table of results for foraminiferal occurrences for Treatment A (Control<br/>plot with nutrient enrichment; no oil), Plot 3 and for Treatment B (Control<br/>plot without nutrient enrichment; no oil), Plot 1, for weeks 0-22. Same<br/>format as Table A-1.

TREATMENT 3A	Control of	of with nut	rient enrich	ment (no o	111									1		
Plot#date	3A/week0	3A/week1	THESIC BITTICT	3A/week3	"/	3A/week5		3A/week8		3A/week10		3A/week14		3A/week18		3A/week22
Composite #		B1	D4	B3	F6	A2	F4	C1	E5	C2	E4	B2	FS	A3		A1
Total # of species (L)	5			8	8	7	6	7	EJ 7	6		5	5	6	6	A1 6
/10cc (T)	7	6	5		8	8		8	8	6		8		6	6	0
Total # of individuals (L)	1480				8768									7616	6464	7670
	4808	10184		8152		10512										7672
					11824				7144	6840		10176		9360	8176	9904
Eggerelia advena (L)	0			0.13	0	0		0.28	0	0.15		0.11	0	0	0	0
	0.5				0	0						0.16	0.1	0	0	0.08
Elphidium excavatum (L)	0								0	0				0	0	0
	0					0			0	0					0	0
Glomospira gordialis (L)	0														0	0
თ	0				0				0	0	0	0	0.1	0	0	0
Inner linings (L)	2.16	0	0	0.27	1.09	0.22	0.57	2.32	0.4	0.75	0	0	0.28	0.42	0.12	0.1
()	1	0	0	1.28	1.89	0.61	1.05	3.27	0.34	1.17	0.94	0.24	0.73	0.68	0.68	0.32
Miliammina fusca (L)	25.9	52.9	39.1	58.3	61	62.9	51.7	55,9	33.6	49,1	50,1	49,8	34.1	40,1	40.5	62.4
(Ld)	0	0	0	3.44	3.59	1.73				0.92			0.83		0.61	1.17
Ū	49.4				58.7	53.4				44.1		51.3			37.3	57.6
(Td)	0				3.48	1.42				0.8		1.07	0.55		0.52	0.98
Pseudo.limetis (L)	0					0									0.02	0.00
																0
Theorem (1)	0.17					0.46				0		0				
Thecamoeblans (L)	0				0	0.43										0
<u>()</u>	0				0.41	0.91				0	the second s					0.32
Tiphotrocha comprimata (L)	0					0.11		0		0					0.25	0.21
0	0					0.08				0					0.19	0.16
Trocha.inf.ata (L)	0				2.01	2.93									4.58	5.84
(Ld)	0															0
	0				1.83										4.01	5.49
(Td)	0				0	0									0	0
Trocha macrescens (L)	0				Ò											0
	0				0	0										0
Trocha,mac.polystoma (L)	21.6	45.3	55.3	38.9	35	33.2	44.5	37.6	62.2	48.8						31.2
(Ld)	0	0			0				0			0.24	0	0	0	0
Ū	44.4				35.7	39										33.7
(Td)	0				0											0
Trocha.ochracea (L)	1.08				0.55											0.31
and the second se	3	1.73			2.84	1.98									1.9	2.34
<u>()</u>		1.73		2.30	2.04	1.80	1.00	0.02	3.14	4.08	3.05	1.20	1.00	1.04	1.0	2.04
Ostragoda (TH)	0	. 80	120	48	88	56	40	48		40	24	0		B	8	152
Ostraçods (T#)	0															
							40	40	8			1				
TREATMENT	Operation in the								0							
TREATMENT 1B		ot without	nutrient en	richment (n												
Plot#date		ot without	nutrient en	richment (n 18/week3	o oli)	1B/week5		18/weeks		18/week10		1B/week14		1B/week1S		1B/week22
Plot#date Composite #	1B/week0	ot without 18/week1 B1		richment (n 18/week3 B3		18/week5 A2	F4	18/weeks C1	Eð	18/week10 C2	E4		F5	1B/week18 A3	D6	
Plot#date Composite # Total # of species (L)	1B/week0 - 6	ot without 18/week1 B1 3	nutrient en D4	richment (n 18/week3 B3 6	o oli) F6	1B/wssk5 A2 6	F4 7	18/wsek8 C1 6	E3 8	18/week10 C2	E4	1B/week14 B2	F5	18/week18 A3 6	D6 6	1B/week22
Plot#date Composite # Total # of species (L) /10cc (T)	1B/week0 - 6 8	ot without 18/week1 B1 3	nutrient en D4 5 5	richment (n 18/week3 B3 6 8	o oli) F6 5	18/week5 A2 6 8	F4 7	18/wssk8 C1 8 7	E5 6 7	18/week10 C2 E	E4	18/week14 82 i 7 7	F5	1B/week1S A3 6 6	D\$ 6 7	15/week22 A1 6 6
Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuals (L)	18/week0 - 8 896	ot without 18/week1 B1 3 2008	D4 0 3 0 960	richment (n 18/week3 83 6 8 2440	o oli) F6 5 8 2176	18/week5 A2 6 8 2944	F4 7 6 2056	18/wsek8 C1 7 3704	E5 6 7 3304	18/week10 C2 6 2808	E4	18/week14 82 5 7 7 7 1080	F5	18/week18 A3 6 6 8 3032	D8 6 7 2944	1B/week22 A1 6 3576
Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T)	1B/week0 - 6 896 2040	ot without 18/week1 B1 3 2008 4976	D4 04 05 0980 03224	richment (n 18/week3 83 6 8 2440 4048	o oii) F6 5 8 2176 4336	18/week5 A2 8 2944 5448	F4 7 6 2056 3744	18/week8 C1 8 7 3704 5376	E5 6 7 3304 4656	18/week10 C2 2808 5344	E4	18/week14 B2 7 1080 1080	F5 6 2224 3968	18/week18 A3 6 6 3032 3880	D8 6 7 2944 3488	1B/week22 A1 6 3576 4721
Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L)	1B/week0 - 6 896 2040 0	ot without 18/week1 B1 3 2008 4976 0	nutrient en D4 960 3224 0 0	richment (n 18/week3 83 6 8 2440 4048 1.31	o oll) F6 5 8 2176 4336 0	18/week5 A2 6 2944 5448 0.27	F4 7 2056 3744 0.39	18/week8 C1 8 3704 5376 0	E5 6 7 3304 4656 0.24	18/week10 C2 2808 5344 0.28	E4 6 1696 2512 5	18/week14 82 7 1080 1080 1432 1.48	F5 2224 3968 5 00	1B/week18 A3 6 3032 3880 1.06	D8 6 7 2944 3488 0.27	1B/week22 A1 6 3576 4721 0.45
Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) (T)	1B/week0 - 896 2040 0 0.89	ot without 18/week1 B1 2008 4976 0	D4 3 5 960 3224 0 0 0	richment (n 18/week3 83 6 8 2440 4048 1.31 0.79	o oli) F6 5 2176 4336 0 0	18/week5 A2 6 2944 5448 0.27 0.15	F4 7 2056 3744 0.39 0.21	18/week8 C1 3704 5376 0 0.3	E5 6 7 3304 4656 0.24 0.69	18/week10 C2 2808 5344 0.28 0.15	E4 6 1690 2512 5 0 0 0 0 0 0 0 0	18/week14 B2 7 1080 1080 1432 1.482 1.12	F5 2224 2 3968 2 0,2	18/week18 A3 6 3032 3880 1.06 1.03	D8 6 7 2944 3488 0.27 0.23	1B/week22 A1 6 3576 4721
Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L)	1B/week0 - 6 896 2040 0 0.89	ot without 18/week1 B1 2008 4976 0 0 0 0 0 0 0 0 0 0 0 0 0	nutrient en D4 3 5 9000 3224 0 0 0 0 0 0	richment (n 18/week3 83 8 2440 4048 1.31 0.79 0	o oli) F6 5 8 2176 4336 0 0 0 0	18/week5 A2 6 2944 5448 0.27 0.15 0	F4 7 2056 3744 0.39 0.21	18/week8 C1 6 7 3704 5376 0 0.3 0 0 0.3	E5 6 7 3304 4656 0.24 0.69 0 0	18/week10 C2 2808 5344 0.28 0.15	E4 1696 2512 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week14 B2 77 0 77 0 1080 2 1432 0 1.482 0 1.482 0 1.12	F5 2224 2 3968 2 0,2 2 0,2	18/week18 A3 6 6 7 3032 6 3680 0 1.06 1.03 0 0	D6 6 7 2944 3488 0.27 0.23 0	18/week22 A1 6 3576 4721 0.45 0.68 0
Plot#date Composite # Total # of species (L) /10cc (T) Total # of sindividuals (L) /10cc (T) Eggerella advena (L) Ephidium excevatum (L) (T)	18/week0 - - - - - - - - - - - - - - - - - - -	ot without 18/week1 B1 2008 4976 00 00 00 00 00 00 00 00 00 0	nutrient en D4 960 3224 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	richment (n 18/week3 83 2440 4048 1.31 0.79 0	o oli) F6 5 8 2176 4336 0 0 0 0 0 0 0 0 0	18/week5 A2 6 8 2944 5448 0.27 0.15 0 0 0 0	F4 7 2056 3744 0.39 0.21	18/week8 C1 6 7 3704 5376 0 0.3 0 0.3 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 6 7 3304 4656 0.24 0.69 0 0 0 0	18/week10 C2 2806 5344 0.26 0.15 0.15	E4 0 1696 0 2512 0 0 0 0 0 0 0 0 0	18/week14 B2 77 1080 2 1432 2 1432 2 1.432 2 1.432 1 1.422 1 1	F5 2224 3986 0 0.2 0 0.2	18/week18 A3 6 6 3032 33880 1.06 2 1.03 0 0 0 0	D8 6 7 2944 3488 0.27 0.23 0 0 0 0 0	1B/week22 A1 6 6 6 7576 4721 0.45 0.68 0 0 0 0 0
Plot#date Composite # Total # of species (L) flocc (T) Total # of individuals (L) flocc (T) Eggerella advena (L) (T) Ephdlum excavatum (L)	18/week0 - 8896 2040 0 0.89 0 0.89 0 0 0.00	ot without 18/week1 B1 3 2008 4976 0 0 0 0 0 0 0 0 0 0 0 0 0	nutrient en D4 3 960 3224 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	richment (n 18/week3 B3 6 8 2440 4048 1.31 0.79 0 0 0 0	• oll) F6 5 8 2176 4336 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week5 A2 6 8 2944 5448 0.27 0.15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F4 7 2056 3744 0.39 0.21 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week8 C1 8 7 3704 5376 0 0.3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 6 7 3304 4656 0.24 0.69 0 0 0 0 0	18/week10 C2 2808 5344 0.26 0.15 C C C	E4 5 6 1696 2512 5 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week14 B2 7 1080 1432 1.48 1.12 0 0 0 0 0 0 0 0 0 0 0 0 0	F5 2224 3988 0 0,2 0 0,2 0 0,2 0 0,0 0 0,0 00000000	18/week18 A3 6 6 3032 3880 1.06 1.03 0 0 0 0 0 0	D8 6 7 2944 3488 0.27 0.23 0 0 0 0	18/week22 A1 6 3576 4721 0.45 0.68 0
Plot#date Composite # Total # of species (L) /10cc (T) Total # of sindividuals (L) /10cc (T) Eggerella advena (L) Ephidium excevatum (L) (T)	18/week0	ot without 18/week1 B1 2008 4976 0 0 0 0 0 0 0 0 0 0 0 0 0	nutrient en D4 3 5 900 3224 0 0 0 0 0 0 0 0 0 0 0 0 0	richment (n 18/week3 B3 6 8 2440 4048 1.31 0.79 0 0 0 0 0 0 0 0	<b>F6</b> <b>F6</b> <b>2176</b> <b>4336</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b>	18/week5 A2 6 8 2944 5448 0.27 0.15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F4 7 6 2056 3744 0.39 0.21 0.21 0.21 0.21	18/week8 C1 8 7 3704 5376 0 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 6 7 3304 4656 0.24 0.69 0 0 0 0 0 0 0 0	18/week10 C2 2808 5344 0.28 0.15 0.15 0.05 0.05 0.05 0.05 0.05 0.05	E4 5 6 1696 1696 1696 1696 1696 1696 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week14 B2 1080 1080 1432 1432 1443 112 0 0 0 0 0 0 0 0 0 0 0 0 0	F5 2224 3968 0 02 0 02 0 02 0 02 0 02 0 02 0 02 0 0	18/week18 A3 6 6 7 3032 38800 1.06 1.03 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D6 6 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0	1B/week22 A1 6 3576 4721 0.45 0.68 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggenelia advena (L) (T) Ephidium excevatum (L) Glomospira gordialis (L)	18/week0 - 8896 2040 0 0.89 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	of without 18/week1 B1 3 5 2008 4976 0 0 0 0 0 0 0 0 0 0 0 0 0	nutrient en D4 3 5 900 3224 0 0 0 0 0 0 0 0 0 0 0 0 0	Ilb/week3           18/week3           8           2440           4048           1.31           0.79           0           0           0           0           0           0           0	• oll) F6 5 8 2176 4336 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week5 A2 6 8 2944 5448 0.27 0.15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F4 7 6 2056 3744 0.39 0.21 0.21 0.21 0.21	18/week8 C1 6 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 8 7 3304 4656 0.24 0.89 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week10 C2 28008 5344 0.28 0.15 C C C C C C C C C C C C C C C C C C C	E4 5 5 6 1696 2512 5 C 6 C 0 C 0 C 0 C 0 C 0 C 0 C 0 C 0	18/week14 18/2 18/2 1080 1	F5 2224 3968 0 2224 2 3968 0 02 0 0 0 0	18/week18 A3 6 3032 3880 0 1.06 1.03 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D6 6 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1B/week22 A1 0 6 3576 4721 0.45 0.68 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Plot#date Composite # Total # of species (L) /10cc (T) Total # of short /10cc (T) Eggerella advena (L) Eggerella advena (L) Glomospira gordialle (L) (T)	18/week0 - 896 2040 0 0.89 0 0 0.89 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ot without 18/wesk1 181 183 2008 4976 0 0 0 0 0 0 0 0 0 0 0 0 0	nutrient en D4 960 3224 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	richment (n 18/week3 83 6 88 2440 4048 1.31 0.79 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	o oil) F6 5 6 2176 4336 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week5 A2 6 8 2944 5448 0.27 0.15 0.0 0 0.0 5 4 0.0 0 0.5 4 1.47	F4 7 6 2056 3744 0.36 0.21 0.21 0.2 0 0.21 0.0 0 0 0.21 0.0 0 0 0 0 0 0 0 0 1.0 0 0 0 0 0 0 0	18/week8 C1 8 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 6 7 3304 4656 0.24 0.69 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week18 C2 2808 5344 0.25 0.15 C C C C C C C C C C C C C C C C C 2 808 5344	E4 5 6 6 6 6 6 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7	18/week14 B2 1 7 1 080 2 1432 1 1482 1 142 0 1080 2 1432 0 1080 2 1432 0 1080 0 1080 0 000 0 000 0 0074 0 276	F5 6 8 9 2224 3986 9 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1	18/week18 A3 6 6 3032 3880 0 1.06 2 1.03 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D6 6 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week22 A1 0 6 33576 4721 0.45 0 688 0 0 0 0 0 0 0 0 0 0 7 1 38
Plot#fdate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) Ephidium excevature (L) (T) Giomospire gordialle (L) inner linings (L)	18/week0 - 8 8 8 9 9 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ot without 18/week1 18/ 181 3 5 2008 4976 0 0 0 0 0 0 0 0 0 0 0 0 0	nutrient en D4 960 3224 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	richment (n 18/week3 83 6 88 2440 4048 1.31 0.79 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	o oil) F6 5 6 2176 4336 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week5 A2 6 8 2944 5448 0.27 0.15 0.0 0 0.0 5 4 0.0 0 0.5 4 1.47	F4 7 6 2056 3744 0.36 0.21 0.21 0.2 0 0.21 0.0 0 0 0.21 0.0 0 0 0 0 0 0 0 0 1.0 0 0 0 0 0 0 0	18/week8 C1 8 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 6 7 3304 4656 0.24 0.69 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week18 C2 2808 5344 0.22 0.11 C C C C C C C C C C C C C C C C C 2 808 5344 0.22 0.25 0.25 0.25 0.25 0.25 0.25 0.25	E4 0 1696 2512 0 C 0 C 0 C 0 C 0 C 0 C 0 C 0 C	18/week14 B2 1 7 1 080 2 1432 1 1482 1 142 0 1080 2 1432 0 1080 2 1432 0 1080 0 1080 0 000 0 000 0 0074 0 276	F5 2224 3986 C C C C C C C C C C C C C	18/week/8 A3 6 6 30322 33800 1.06 1.03 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D6 6 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week22 A1
PlotMidate Composite # Total # of species (L) /10cc (T) Eggerella advena (L) Eggerella advena (L) (T) Elphidium excevatum (L) (T) Giornospira gordialla (L) (L) Inner linings (L)	18/week0 - 896 2040 0 0.89 0 0 0.89 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ot without 18/week1 18/ 181 3 5 2008 4976 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 D4 960 3224 00 00 00 00 00 00 00 00 00 00 00 00 00	richment (n 18/week3 183 6 8 2440 4048 1.31 0.79 0 0 0 0 0 0 0 0 0 1.31 2.37 3.93	<b>F6</b> <b>5</b> <b>6</b> <b>2176</b> <b>4336</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b>	18/week5 A2 6 8 2944 5448 0.27 0.15 0.0 0 0.0 5 4 0.0 0 0.5 4 1.47	F4 7 2056 37444 0.36 0.21 C C C C C C C C C C C C C C C C C C 1.95 10.95 10.85	18/week8 C1 8 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 6 7 3304 4655 024 0.89 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week18 C2 2808 5344 0.25 0.15 C C C C C C C C C C C C C C C C C 2 808 5344	E4 1690 2512 0 C 0 C 0 C 0 C 0 C 0 C 0 C 0 C	18/week14 B2 1080 1080 1433 1.48 1.12 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	F5 2224 3986 C C C C C C C C C C C C C	18/week/8 A3 6 6 30322 33800 1.06 1.03 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D6 6 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week22 A1 0 6 33576 4721 0.45 0 688 0 0 0 0 0 0 0 0 0 0 7 1 38
Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Ephidium excevature (L) (T) Glomospira gordialis (L) (T) mer linings (L) (T) Millammira fusca (L)	18/week0 - 8 8 8 9 9 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ot without 18/wesk1 B1 2000 4976 C C C C C C C C C C C C C C C C C C C	nutrient en D4 3 3 9000 0 00 0 00 00	richment (n 18/week3 B3 6 8 8 8 8 8 8 8 8 8 8 8 9 8 9 9 0 9 0 0 0 0	<b>F6</b> 5 8 2176 4336 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week5 A2 6 8 2944 5484 0.27 0.15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1.47 1.28	F4 7 6 20565 3744 0.36 0.21 0.21 0.21 0.21 0.21 0.21 0.21 0.21	18/week8 C1 6 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 6 7 3304 4656 0.24 0.69 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week10 C2 28000 5344 0.22 0.15 C C C C C C C C C C C C C C C C C C C	E4 0 16900 0 10000 0 10000 0	18/week14 B2 7 108/2 1432 1.482 0.1.12 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	F5 2222 3988 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week18 A3 6 6 6 30322 1.08 1.09 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D6 6 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week22 A1
Plot#date Composite # Total # of species (L) /10cc (T) Total # of species (L) /10cc (T) Eggerella advena (L) Eggerella advena (L) Ephidium excevaturn (L) Glomospira gordialis (L) (T) Inner linings (L) (T) Milliemmina fusca (L)	18/week8 	ot without 18/week1 B1 2000 4976 0 0 0 0 0 0 0 0 0 0 0 0 0	nutrient en D4 3 5 6 9 9 0 0 0 0 0 0 0 0 0 0 0 0 0	richment (n 18/west3 B3 6 8 8 2440 4048 1.31 0.79 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<b>F6</b> <b>5</b> <b>6</b> <b>2176</b> <b>4330</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b></b>	18/week5 A2 6 8 29444 5448 0.27 0.15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F4 7 6 20566 3744 0.35 0.21 0.2 0.2 0.2 0.2 1.05 1.93 10.6 0.2 1.93 1.0.2 1.93 1.0.2 1.0	18/week8 C1 6 7 37040 5376 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 0 7 3304 4656 0 24 0 69 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week10 C2 6 28006 28006 28006 2006 5344 0.22 0.15 0.0 C 0.0 57 1.8 10.5 C 10.5 10	E4 0 16966 2512 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1.865 4.22 0 22.2 7.66	IB/week14         B2           7         7           1080         1432           1.432         1.432           0.0         0           0.	F5 6 2224 3986 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week18 A3 6 30322 33880 1.08 1.03 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D8 6 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18/wsek22 A1 6 3576 4721 0.455 0.88 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Plot#fdate Composite # Total # of species (L) /10cc (T) Total # of sindividuals (L) /10cc (T) Eggerella advena (L) (T) Ephidium excevature (L) (T) Glomospire gordialis (L) (T) Inner linings (L) (Ld) (Ld) (T) (T)	18/week0 - - - - - - - - - - - - -	0 18Avesk1 18Avesk1 B1 2008 4976 C C C C C C C C C C C C C	nutrient en D4 3 5 6 9 9 0 0 0 0 0 0 0 0 0 0 0 0 0	richment (n 18/west3 B3 8 2440 4048 1.31 0.79 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<b>F6</b> <b>6</b> <b>176</b> <b>176</b> <b>176</b> <b>4336</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b>	18/week5 A2 6 8 2944 5448 0.27 0.157 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F4 7 6 2056 0.37 0.36 0.22 0	18/week8 C1 6 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 6 7 3304 4656 0.24 0.699 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week10 C2 6 2800 5344 0.25 0.15 C C C C C C C C C C C C C C C C C C C	E4 1 66 1 66 2512 C C C C C C C C C C C C C	18/week14 B2 7 108C 1432 1432 1432 1.42 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F5 E 2224 3988 C C C C C C C C C C C C C	18/week18 A3 6 6 30322 5 3880 1.06 1.03 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D8 6 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week22 A1 0 6 3576 4721 0.45 0.68 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotMidate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) (T) Ephidium excevatum (L) (T) Giornospire gordjalis (L) (I) Milliemmine fusca (L) (T) (T) Pseudo.limetis (L)	18/week8 	0 0 18/vesk1 18/vesk1 18/vesk1 18/vesk1 0 0 0 0 0 0 0 0 0 0 0 0 0	nutrient en p4 3 5 9 9 9 9 0 0 0 0 0 0 0 0 0 0 0 0 0	richment (n 18kvesta) B3 6 8 2440 4048 1.311 0.79 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	▼ o oll) F6 5 8 8 2176 4330 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week5 A2 8 2944 5448 0.27 0.15 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	F4 7 6 2056 3744 0.353 0.21 C C C C C C C C C C C C C	18/week8 C1 6 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 6 7 3304 4656 0 244 0 699 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week10 C2 28000 3344 0.222 0.15 C C C C C C C C C C C C C C C C C C C	E4 6 c 6 c 6 c 6 c 6 c 6 c 6 c 6 c	18/week14 B2 7 7 1050 1432 1.432 1.432 1.432 0.1432	F5 E 2224 3968 C C C C C C C C C C C C C	18/wesk18 A3 6 6 30323 3880 1.066 1.066 1.000 0.000 0.000 0.026 1.030 1.024 0.026 0.026 0.026 0.026 0.026 0.0200 0.0200 0.0200 0.0200 0.0200 0.0200 0.0200000000	D8 8 7 2044 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0	18/wssk22 A1
Plot#date Composite # Total # of species (L) /10cc (T) Eggerella advena (L) Eggerella advena (L) Ephidium excevatum (L) Ephidium excevatum (L) Giomospire gorilalis (L) (T) Inner linings (L) (Millemmina fusca (L) (T) Pseudo.limetis (L) (T)	18/week0 - - - - - - - - - - - - -	0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	nutrient en nutrient en D4 D4 0 0 0 0 0 0 0 0 0 0 0 0 0	richment (n 18/week3 83 83 8440 4048 1.31 0.79 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	o all)           F6           5           8           2176           4336           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           11.1           3.32           6.25           0           13.7           0           0           0           0           0.74	18/week5 A2 6 8 2944 5448 0.27 0.15 0.0 0.0 5 5 1.47 12.8 0.0 0.0 5 5 1.47 0.2 0.0 0.0 5 5 0.0 0.0 0.0 0.0 0.0 0.0 0.0	F4 7 6 2056 3744 0.353 0.21 C C C C C C C C C C C C C	18/week8 C1 6 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 6 7 3304 4655 024 069 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week10 C2 6 6 2800 5344 0.22 0.15 C C C C C C C C C C C C C	E4 6 6 1696 2512 5 6 6 6 6 6 6 6 7 6 7 8 6 6 7 7 8 6 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 7 8 7 7 7 7 7 7 7 7 7 7 7 7 7	18/week14 B2 7 10800 1432 1432 0 0 0 0 0 0 0 0 0 0 0 0 0	F5 E 2224 3968 C C C C C C C C C C C C C	18/week/18 A3 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D5 6 7 2944 3488 027 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18/wssk22 A1 6 6 3576 4721 0.45 0.68 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Plot#date Composite # Total # of species (L) /10cc (T) Total # of ndividuals (L) /10cc (T) Ephtidum excevature (L) (T) Glomospira gordialis (L) (T) Millemmira fusca (L) (T) Paeudo.limetis (L) (T) Thecamoebians (L)	18/weekd - 8 896 2040 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	nutrient en           D4           3           5           9800           000	richment (n 18/week3 83 6 8 4048 4048 1.31 0.79 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<b>F6</b> <b>F6</b> 2176 2176 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week5 A2 6 8 2944 5448 0 27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F4 7 6 2056 3744 0.35 0.21 0.22 0.21 0.22 0.21 0.22 0.	18/week8 C1 8 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 6 7 3304 4656 0 244 0 89 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week10 C2 2800 5344 0.22 0.15 C C C C C C C C C C C C C C C C C C C	E4 6 6 10960 2512 2012 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week14 18/week14 192 7 1086 1432 1.432 1.432 1.432 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	F5 E 2224 2224 23968 C C C C C C C C C C C C C	18/week18 A3 6 30322 1.060 1.060 1.060 1.020 0.00 0.00 0.00 0.00 0.00 0.00 0.	D6 6 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0	18/wssk22 A1 6 6 3576 4721 0.45 0.68 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotMidate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) (T) Elphidum excevatum (L) (T) Glomospire gordialis (L) (I) Millemmine fusce (L) (T) Paeudo.limetis (L) (T) Thecamoebians (L) (T)	18/week0 - 8 8 8 8 8 8 8 8 8 8 0 0 0 0 0 0 0 0 0 0 0 0 0	of without 18/vesk1 18/vesk1 13 2008 4976 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 D4 D4 33 5 9800 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	richment (n 18/week3 83 8 8 8 8 8 8 8 8 2440 4048 1.31 1.31 0.79 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	■ o cili) F6 5 8 2176 43380 0 0 0 0 0 0 0 0 0 0 0 0 13,7 0 13,7 0 0,74 0 0,74 0,055	18/week5 A2 8 2944 5448 0.27 0.15 0.0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	F4 7 6 2056 0.33 0.21 0.21 0.20 1.05 0.02 1.05 0.02 1.05 0.02 0.043 0.43 0.043	18/vesk8 C1 6 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 6 7 3304 4656 0 24 0 69 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week10 C2 2800 53444 0.22 0.15 C C C C C C C C C C C C C C C C C C C	E4 0 5 2512 0 C 0 C 0 C 0 C 0 C 0 C 0 C 0 C	18/week14 B2 7 7 108C 14332 1.12 0 1.42 0 0 0 0 0 0 0 0 0 0 0 0 0	F5 2224 39868 0 C 0 C 0 C 0 C 0 C 0 C 0 C 0 C	18/week18 A3 6 33800 1.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D6 6 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0	18/wssk22 A1 6 6 3576 4721 0.45 0.68 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) Egpidium excevatum (L) (T) Elphidium excevatum (L) (T) Elphidium excevatum (L) (T) (Total (L) (L) (L) (L) (L) (L) (L) (Total (L) (Total (L) (L) (Total (L) (T) (Total (L) (T) (T) (T) (T) (T) (T) (T) (T) (T) (T	18/weekd - 8 8 8 8 8 8 8 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	nutrient en nutrient en D4 D4 0 0 0 0 0 0 0 0 0 0 0 0 0	richment (n 18/week3 83 83 8440 4048 1.31 0.79 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	▼ o cli) F6 5 6 2176 4336 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week5 A2 8 2944 5448 0 27 0 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F4 7 6 2056 37444 0.36 0.21 0.2 0 0.2 1.95 10.6 20.1 20.1 20.1 0.0 20.1 20.1 0.0 20.1 0.0 20.1 0.0 20.5 0.2 1 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	18/week8 C1 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 6 7 3304 4655 0.24 4655 0.24 0.699 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	18/week10 C2 28000 53444 0.22 0.15 C C C C C C C C C C C C C C C C C C C	E4 0 5 0 6 0 2512 0 0 0 0 0 0 0 0 0 0 0	IB/week14         B2           18/week14         B2           1         7           106C         7           1032         1433           1.12         0           0         0	F5 6 2224 39888 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week18 A3 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D6 6 7 2944 3488 027 0 23 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week22 A1 6 6 3576 47212 0.45 0.68 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Plot#idate           Composite #           Total # of species         (L)           /10cc         (T)           Total # of individuals         (L)           /10cc         (T)           Eggenelia advena         (L)           @         (T)           Ephdium excavatum (L)         (T)           @         (T)           @         (T)           Millammins fusca         (L)           (T)         (T)           Paeudo.limetis         (L)           Thecamoeblens         (L)           Tphotracka comprimate         (L)	18/week0	of without 18/vesh1 18/vesh1 19 2008 4976 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 D4 D4 D4 D4 D4 D4 D4 D4 D2 D0 D0 D0 D0 D0 D0 D0 D0 D0 D0 D0 D0 D0	richment (n 16/vreit3 83 8 8 8 4048 1.31 0.79 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	► oill) F6 5 6 8 2176 4338 0 0 0 0 0 0 0 0 0 0 0 0 0 0 11 13 32 6 25 0 0 0 0 11 13 32 6 25 0	18/week5 A2 8 2944 0.27 0.15 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	F4 7 6 2056 3744 0.38 0.21 0.5 0.21 0.5 0.21 0.5 0.21 0.5 0.21 0.20 0.21 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.21 0.20 0.21 0.20 0.21 0.20 0.22	18/week8 C1 6 7 3704 5376 0 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 8 7 3304 4655 0.24 0.699 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week10 C2 6 6 6 7 8 8 8 7 8 7 7 7 7 7 7 7 7 7 7 8 7 7 7 7 7 8 8 7 8	E4 5 6 5 6 5 5 5 5 5 5 5 5 5 5 5 5 5	18/wesk14 18/wesk14 192 1080 1433 1.12 0.02 0.07 0.0	F5 E 2224 3986 C C C C C C C C C C C C C	18/week18 A3 6 6 33800 1.060 1.070 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D6 8 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week22 A1
PlotBildate Composite # Total # of species (L) /10cc (T) Eggerella advena (L) Eggerella advena (L) Eghidium excavatum (L) (T) Ephidium excavatum (L) (T) Ephidium excavatum (L) (T) Ephidium excavatum (L) (T) Ephidium excavatum (L) (T) Millemmina fusca (L) (T) Paseudo.limetis (L) (T) Thecamoebians (L) (T) Trocha.inf.ata (L)	18/week0 - - - - - - - - - - - - -	of without 18/vest1 18/vest1 13 2008 2008 2008 2008 0 0 0 0 0 0 0 0 0 0 0 0 0	nutrient en nutrient en D4 D4 0 0 0 0 0 0 0 0 0 0 0 0 0	richment (n 18/week3 83 8 8 8 8 8 8 8 8 4048 1 131 0.79 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C oll) F6 5 8 2176 4338 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week5 A2 6 8 2944 5448 027 015 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F4 7 6 2056 0.33 0.21 0.21 0.20 0.20 1.95 10.8 0.0 20.1 0.20 0.43 0.20 0.21 0.33 0.21 0.21 0.21 0.21 0.21 0.21 0.21 0.21	18/vesk8 C1 6 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 6 7 3304 4656 024 0.699 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week10 C2 2800 53444 0.22 0.15 C C C C C C C C C C C C C C C C C C C	E4 0 5 2512 0 C 0 C 0 C 0 C 0 C 0 C 0 C 0 C	IB/week14         B2           18/week14         B2           7         7           106C         7           1108C         14332           11432         0           0         0	F5 2224 39666 0 02 0 0 0 0	18/week18 A3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D6 6 7 2944 3488 027 023 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week22 A1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Plot#date Composite # Total # of species (L) /10cc (T) Total # of species (L) /10cc (T) Epidium excavatum (L) Epidium excavatum (L) (T) Glomospira gordialia (L) (T) Millemmina fusca (L) (Ld) Paeudo.limetis (L) Thecamoebians (L) (T) Thotasha comprimata (L) (Ld) Trocha.inf.ata (L)		of without 18/wesh1 18/wesh1 19 2006 4976 0 0 0 0 0 0 0 0 0 0 0 0 0	nutrient en           D4           D4           3324           000	richment (n 18/week3 83 6 8 8 4048 1.31 0.79 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	▼ o cli) F6 5 8 8 2176 4336 00 0 0 0 0 0 0 0 0 0 0 0 0	18/week5 A2 8 2944 5444 5444 0 27 0 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F4 7 6 2056 37444 0.36 0.21 0.22 1.95 1.95 1.92 1	18/week3 C1 6 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 6 7 3304 4655 024 0699 00 00 00 00 00 00 00 00 00	18/week10 C2 28000 53444 0.22 0.15 C C C C C C C C C C C C C C C C C C C	E4 0 5 0 6 0 2512 0 0 0 0 0 0 0	18/wesk14 B2 7 7 10866 1432 1.42 1.	F5 2224 30986 0 0.2 0 0.2	18/week18 A3 6 33820 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D6 8 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week22 A1 6 3576 4721 0.45 0.686 0.68 0.0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
PlotMidate Composite # Total # of species (L). /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) (T) Ephidium excavatum (L) (T) Glomospira gordialis (L) (T) Glomospira gordialis (L) (Ld) (T) Paeudo.limetis (L) (To Thecamoebians (L) (T) Trocha.inf.ata (L) (T)	18/week0	of without 18/vesh1 18/vesh1 13 5 2008 4976 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 D4 D4 D4 D4 D4 D4 D4 D4 D4 D2 D4 D0 D0 D0 D0 D0 D0 D0 D0 D0 D0 D0 D0 D0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	► oill) F6 5 6 8 2176 4338 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 11 3322 6 25 0	18/week5 A2 6 8 2944 5448 0.27 0.15 0.0 0 0.0 54 1.47 1.2.8 0.0 0.0 54 0.0 0.0 54 0.0 0.0 54 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	F4 7 6 2056 0.35 0.21 0.21 0.21 0.20 1.09 0.02 1.09 0.02 0.43 0.20 1.03 0.02 0.21 0.35 0.22 0.22 0.22 0.22 0.22 0.22 0.22 0.2	18/wesk8 C1 6 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 8 7 3304 4655 0 24 0 69 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week10 C2 6 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	E4 5 6 5 6 5 6 6 6 6 6 6 6 6 6 7 6 6 7 6 6 7 6 6 7 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7	18/week14 52 7 1080 14332 1.484 0.1.12 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	F5 F5 2224 3986 C 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	18/week18 A3 6 33800 1.00 1.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D5 8 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week22 A1
Plot#date Composite # Total # of species (L) /10cc (T) Eggerella advena (L) Eggerella advena (L) (T) Ephidium excavatum (L) (T) Ephidium excavatum (L) (T) Ephidium excavatum (L) (T) Ephidium excavatum (L) (T) Ephidium excavatum (L) (T) Inner Ilinings (L) (T) Pseudo.limetis (L) (T) Thecamoebians (L) (T) Trochs.inf.ata (L) (Lo) (T) (T)	18/week0 - 8 8 8 8 8 8 8 8 8 8 8 8 8	of without 18/vest1 18/vest1 13 2008 2008 2008 0 0 0 0 0 0 0 0 0 0 0 0 0	nutrient en nutrient en D4 D4 0 0 0 0 0 0 0 0 0 0 0 0 0	Information           18/week3           B3           6         6           8         2440           4048         1.31           0.79         0           0         0           4.55         0           0         0	C oll) F6 5 8 2176 4338 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week5 A2 6 8 2944 5448 027 0.15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F4 7 6 2056 3744 0.36 0.21 0.20 0.20 1.95 1.95 0.02 1.95 0.02 0.	18/vesk8 C1 6 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 6 7 3304 4656 024 0.69 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week10 C2 6 28000 53444 0.22 0.15 C2 C C C C C C C C C C C C C	E4 5 6 6 6 6 6 6 6 7 6 6 7 8 6 6 7 8 6 6 7 8 6 6 7 8 6 6 7 8 6 6 7 8 6 6 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 8 7 8 8 8 7 8 8 8 7 8 8 8 7 8 8 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8	IB/week14         B2           18/week14         B2           7         7           108C         7           1108C         14332           11432         0           0         0	F5 2224 3986 0 02 0 0 0 0	18/week18 A3 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D6 6 7 2944 3488 027 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week22 A1 6 6 3576 4721 0 455 0 6 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotMidate Composite # Total # of species (L). /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) (T) Ephidium excavatum (L) (T) Glomospira gordialis (L) (T) Glomospira gordialis (L) (Ld) (T) Paeudo.limetis (L) (To Thecamoebians (L) (T) Trocha.inf.ata (L) (T)	IBound         -           8         8           800         20400           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	of without 18/vesh1 18/vesh1 19 2006 4976 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 D4 D4 3324 000 00 00 00 00 00 00 00 00 00 00 00 0	richment (n 18/vest3 83 8 8 8 4048 1.31 0.79 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	o cili)     F6     F6     S     C	18/week5 A2 8 2944 0.27 0.15 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	F4 7 6 2056 3744 0.32 0.22 0.32 0.22 0.32 0.22 0.32 1.93 1.93 1.93 0.20.1 0.43 0.22 0.32 0.32 0.32 0.32 0.32 0.22 0.32 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.03 0.02 0.03 0.02 0.03 0.02 0.03 0.02 0.03 0.02 0.03 0.02 0.03 0.02 0.03 0.02 0.33 0.22 0.33 0.22 0.33 0.22 0.33 0.22 0.32 0.22 0.32 0.22 0.32 0.22 0.32 0.22 0.32 0.22 0.32 0.22 0.32 0.22 0.32 0.22	18/week3 C1 6 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 6 7 3304 4655 0.24 0.699 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	18/west10 C2 6 6 6 7 800 5344 0.22 0.15 5 3444 0.22 0.22 0.25 7 1.2 10.5 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0	E4 5 6 6 6 6 6 6 6 6 6 6 6 6 6	IB/week14         B2           18/week14         B2           7         7           108C         7           1108C         7           1108C         14332           1120         0           112         5.932           1432         5.932           1432         1432	F5 2224 3986 0 02 0 0 0 0	IB/week18           A3           6           6           38600           1.003           38600           1.033           0	D6 8 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week22 A1 6 6 6 7 7 7 7 7 7 7 7 8 7 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7
Plot#date Camposite # Total # of species (L) /10cc (T) Total # of species (L) /10cc (T) Eggenelia advena (L) Ephdium excavatum (L) (T) Giornospira gordialis (L) (T) Giornospira gordialis (L) (T) Millemmira fusca (L) (T) Paeudo.limetis (L) (T) Thecamoebians (L) (T) Trocha.inf.ata (L) (Ld) (T) Trocha.macrescens (L) (T) Trocha.macrescens (L)	18/week0 - 8 8 8 8 8 8 8 8 8 8 8 8 8	of without 18/vesh1 18/vesh1 19 2006 4976 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 D4 D4 3324 000 00 00 00 00 00 00 00 00 00 00 00 0	richment (n 18/vest3 83 8 8 8 4048 1.31 0.79 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	o cili)     F6     F6     S     C	18/week5 A2 8 2944 0.27 0.15 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	F4 7 6 2056 3744 0.32 0.22 0.32 0.22 0.32 0.22 0.32 1.93 1.93 1.93 0.20.1 0.43 0.22 0.32 0.32 0.32 0.32 0.32 0.22 0.32 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.03 0.02 0.03 0.02 0.03 0.02 0.03 0.02 0.03 0.02 0.03 0.02 0.03 0.02 0.03 0.02 0.33 0.22 0.33 0.22 0.33 0.22 0.33 0.22 0.32 0.22 0.32 0.22 0.32 0.22 0.32 0.22 0.32 0.22 0.32 0.22 0.32 0.22 0.32 0.22	18/week8 C1 6 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 6 7 3304 4655 0.24 0.699 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0	18/west10 C2 6 6 6 7 800 5344 0.22 0.15 5 3444 0.22 0.22 0.25 7 1.2 10.5 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0	E4 5 6 6 6 6 6 6 6 6 6 6 6 6 6	IB/wesk14           B2           7           7           1080           11433           1.48           1.12           0           1.12           5.93           0           0           0           0           0           0           0           0           0           0	F5 F5 C 2224 3986 C 0.2 C	18/wesk18 A3 6 6 7 7 7 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 8 8 8 9 7 9 7	D6 8 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week22 A1 6 6 6 7 7 7 7 7 7 7 7 8 7 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7
PlotMidate Composite # Total # of species (L). /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) (T) Ephidium excavatum (L) (T) Glomospira gordialis (L) (T) Millammina fusca (L) (T) Millammina fusca (L) (T) Paeudo.limetis (L) Thecamoebians (L) (T) Trocha.inf.ata (L) (Ld) (T) Trocha.macrescens (L)	·         ·           ·         ·	of without 18/vesh1 18/vesh1 19 2006 4976 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 D4 D4 3224 3224 000 00 00 00 00 00 00 00 00 00 00 00 0	richment (n 18/vest3 83 8 8 8 4048 1.31 0.79 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	o cili)     F6     F6     S     C	18/week5 A2 8 2944 0.27 0.15 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	F4 7 6 2056 3744 0.32 0.22 0.32 0.22 0.32 0.22 0.32 1.93 1.93 1.93 0.20.1 0.43 0.22 0.32 0.32 0.32 0.32 0.32 0.22 0.32 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.03 0.02 0.03 0.02 0.03 0.02 0.03 0.02 0.03 0.02 0.03 0.02 0.03 0.02 0.03 0.02 0.33 0.22 0.33 0.22 0.33 0.22 0.33 0.22 0.32 0.22 0.32 0.22 0.32 0.22 0.32 0.22 0.32 0.22 0.32 0.22 0.32 0.22 0.32 0.22	18/vesk8 C1 6 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0 1.73 0 1.49 0 7.13 0 5.95 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 6 7 3304 4655 0.24 0.69 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week10 C2 2800 53444 0.22 0.15 C C C C C C C C C C C C C C C C C C C	E4 5 6 5 6 5 6 6 6 6 6 7 6 6 7 6 6 7 6 6 7 6 7 6 7 6 7 6 7 6 7 7 6 7 7 6 7 7 7 8 7 7 7 7 7 7 7 7 7 7 7 7 7	IB/week14         B2           18/week14         B2           17         108C           1108C         1108C           11108C         1108C	F5           2         5           2         224           39868         0           0         0	18/week18 A3 6 33800 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0	D6 6 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week22 A1 6 6 3576 4721 0 455 0 6 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Plot#date Composite # Total # of species (L) /10cc (T) Eggenella advena (L) Ephidum excevatur (L) (T) Ephidum excevatur (L) (T) Giomospira gordialle (L) (T) Inner linings (L) (Ld) (T) Paeudo.limetis (L) (T) Thecamoebians (L) (T) Trocha.inf.ata (L) (T) Trocha.macrescens (L) (T) Trocha.macrescens (L)	IBAuentil         -           6         8           8         8           2040         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	nutrient en nutrient en D4 D4 0 0 0 0 0 0 0 0 0 0 0 0 0	Information           18Aveeta           18Aveeta           83           6           8           2440           4048           1.31           0.79           0	o cill)           F6           2176           43360           0	18/week5 A2 6 8 2944 5448 0 27 0 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F4 7 6 2056 2056 2056 2056 2056 2056 2056 2057 20	18/wesk8 C1 6 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 6 7 3304 4655 024 4655 00 0 0 0 0 0 0 0 0 0 0 0 0	18/week10 C2 6 2800 53444 0.22 0.15 C C C C C C C C C C C C C	E4 5 6 6 6 6 6 6 6 6 7 6 6 7 8 6 6 7 8 6 6 7 8 6 6 7 8 6 6 7 8 6 6 7 8 6 6 6 6 7 8 8 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8	IB/week14         B2           18/week14         B2           7         7           108C         7           1108C         14332           11432         0           0         0	F5           2224           3988           0      0 <td>18/week18 A3 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>D5 6 7 2944 3488 027 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>18/week22 A1 6 6 3576 4721 0.45 0.06 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td>	18/week18 A3 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D5 6 7 2944 3488 027 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week22 A1 6 6 3576 4721 0.45 0.06 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggenelia advena (L) (T) Ephdium excavatum (L) (T) Glomospira gordialis (L) (T) Millammira fusca (L) (T) Paeudo.limetis (L) (T) Thecamoebians (L) (T) Trocha.inf.ata (L) (T) (T) Trocha.macrescens (L) (T) Trocha.macrescens (L) (T)	IBound         -           -         6           -         8           -         6           -         6           -         6           -         6           -         6           -         6           -         0	of without 18/wesh1 18/wesh1 19 2008 4976 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 D4 D4 D4 D4 D4 D4 D4 D4 D4 D4 D4 D4 D	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	► oill) F6 5 6 6 2176 4336 0 0 0 0 0 0 0 0 0 0 0 0 0 0 111 332 6 25 0 0 0 1137 0 0 0 0 1137 0 0 0 0 0 0 111 332 6 25 0 0 0 0 0 137 0 0 0 0 1337 0 0 0 0 0 137 0 0 0 0 137 0 0 0 10 10	18/week5 A2 8 2944 0.27 0.15 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	F4 7 6 2056 0.35 0.21 0.21 0.21 0.21 1.02 1.02 1.02 0.02 1.02 0.02 1.02 0.02 0	18/week8 C1 6 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 8 7 3304 4655 0.24 0.69 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week10 C2 6 6 6 6 7 8 8 8 8 8 8 8 8 8 7 5 8 8 8 8 8 8 8 8	E4 5 6 5 6 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6	IB/week14           B2           7           7           1080           11432           11432           11432           11432           11432           11432           11432           11432           11432           11432           11432           01000           0000000           0000000           00000000           00000000000           000000000000000000000000000000000000	F5           E           Sec           2224           3986           C           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.25.6           0.25.6           0.2  <	18/week18 A3 6 38800 1.06 1.03 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D8 8 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week22 A1 6 6 3576 4721 0.45 0.688 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 00.000000
PlotMidate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) (T) Ephidium excevatum (L) (T) Glomospira gorilalis (L) (T) Millemmina fusca (L) (T) Millemmina fusca (L) (T) Paeudo.limetis (L) (T) Thecamcebians (L) (T) Trocha.inf.ata (L) (T) Trocha.macrescens (L) (T) Trocha.macrescens (L) (T) Trocha.macrescens (L) (T) Trocha.mac.polysioms (L) (Ld) (T) (Ld) (T) Trocha.mac.polysioms (L) (Ld) (T) Trocha.mac.polysioms (L) (T) (T) (T) (T) (T) (T) (T) (T) (T) (T	IBAverid           -         6           8         8           2040         0           0.058         0           0.051         0     <	of without 18/vesk1 18/vesk1 13 2008 4976 0 0 0 0 0 0 0 0 0 0 0 0 0	nutrient en           D4           D4           33           5           0400           3224           000	Information           18/week3           B3           8           8           93           93           93           93           93           93           93           93           93           90	C oll) F6 5 8 2176 4336 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week5 A2 6 6 8 2944 5448 0 27 0 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F4 7 6 2056 37444 0.33 0.21 0.22 1.05 1.05 1.05 0.20 1.05 0.20 1.05 0.20 1.05 0.20 1.05 0.20 0.20 1.05 0.20 0.20 1.05 0.20 0.22 0	18/vesk8 C1 6 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 6 7 3304 4656 024 0.69 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week10 C2 6 6 2800 53444 0.22 0.15 C C C C C C C C C C C C C	E4 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5	IB/week14         B2           18/week14         B2           106C         7           108C         7           1108C         7           1108C         1432           1112         0           0         0	F5           2         5           2224         3986           3092         0.2           0         0	18/week18 A3 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D6 6 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week22 A1 6 6 3576 4721 0.45 0.688 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 00.000000
Plot#date Camposite # Total # of species (L) /10cc (T) Total # of species (L) /10cc (T) Eggenelia advena (L) Ephdium excavatum (L) (T) Giomospira gordialis (L) (T) Giomospira gordialis (L) (T) Giomospira gordialis (L) (T) Giomospira gordialis (L) (T) Giomospira gordialis (L) (T) Giomospira gordialis (L) (T) The camoebians (L) (T) The camoebians (L) (T) Trocha. Inf.ata (L) (T) (Tocha. Inf.ata (L) (L) (T) Trocha. macrescens (L) (L) (T) (L) (L) (T) (L) (L) (L) (L) (L) (L) (L) (L) (L) (L	IBound         -           8         8           980         2040           0         0           0 <t< td=""><td>of without 18/vesh1 18/vesh1 19 2006 2006 2006 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>nutrient en           D4           D4           3324           000     </td></t<> <td>richment (n 18/vest3 B3 8 8 8 4048 1.31 0.79 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>o cili)     F6     F6     S     Colored Colored</td> <td>18/wesk5 A2 8 2944 0.27 0.155 0.0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0</td> <td>F4 7 6 2056 3744 0.32 0.22 0.32 0.22 0.32 0.22 1.92 1.92 1.92 0.0 0.21 0.43 0.21 0.43 0.21 0.43 0.22 0.36 0.21 0.43 0.21 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.44 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.22 0.43 0.22 0.43 0.22 0.22 0.43 0.22 0.22 0.43 0.22 0.22 0.22 0.43 0.22 0.2</td> <td>18/week3 C1 6 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>E5 6 7 3304 4655 0.24 0.699 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>18/west10 C2 6 6 6 7 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7</td> <td>E4 5 6 6 6 6 6 6 6 6 7 6 7 6 6 7 6 6 7 7 9 6 7 8 6 7 8 6 7 8 6 7 8 6 8 7 8 6 7 8 6 7 8 6 7 8 6 7 8 6 8 7 8 6 7 8 6 8 7 8 6 7 8 6 8 7 8 6 7 8 6 8 7 8 6 8 7 8 6 8 7 8 6 8 7 8 6 8 7 8 6 8 7 8 6 7 8 6 8 7 8 6 7 8 6 8 7 8 6 7 8 6 8 7 8 6 7 8 6 7 8 6 8 7 8 6 7 8 6 7 8 6 8 7 8 7 8 6 7 8 6 7 8 7 8 6 7 8 7 7 8 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8</td> <td>IB/wesk14           B2           7           7           1080           11432           1.48           1.12           0           1.12           5.93           0           0           0           0           0           0           0           0           0           0</td> <td>F5           E         E           0         2224           3986         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         0.727           1.392         0.838           0         1.657           0         C<td>IB/week18           A3           6           6           7           7           7           8           9           100           100           100           0</td><td>D6 8 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>18/week22 A1</td></td>	of without 18/vesh1 18/vesh1 19 2006 2006 2006 0 0 0 0 0 0 0 0 0 0 0 0 0	nutrient en           D4           D4           3324           000	richment (n 18/vest3 B3 8 8 8 4048 1.31 0.79 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	o cili)     F6     F6     S     Colored	18/wesk5 A2 8 2944 0.27 0.155 0.0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	F4 7 6 2056 3744 0.32 0.22 0.32 0.22 0.32 0.22 1.92 1.92 1.92 0.0 0.21 0.43 0.21 0.43 0.21 0.43 0.22 0.36 0.21 0.43 0.21 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.44 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.22 0.43 0.22 0.43 0.22 0.22 0.43 0.22 0.22 0.43 0.22 0.22 0.22 0.43 0.22 0.2	18/week3 C1 6 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 6 7 3304 4655 0.24 0.699 0 0 0 0 0 0 0 0 0 0 0 0 0	18/west10 C2 6 6 6 7 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7	E4 5 6 6 6 6 6 6 6 6 7 6 7 6 6 7 6 6 7 7 9 6 7 8 6 7 8 6 7 8 6 7 8 6 8 7 8 6 7 8 6 7 8 6 7 8 6 7 8 6 8 7 8 6 7 8 6 8 7 8 6 7 8 6 8 7 8 6 7 8 6 8 7 8 6 8 7 8 6 8 7 8 6 8 7 8 6 8 7 8 6 8 7 8 6 7 8 6 8 7 8 6 7 8 6 8 7 8 6 7 8 6 8 7 8 6 7 8 6 7 8 6 8 7 8 6 7 8 6 7 8 6 8 7 8 7 8 6 7 8 6 7 8 7 8 6 7 8 7 7 8 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8	IB/wesk14           B2           7           7           1080           11432           1.48           1.12           0           1.12           5.93           0           0           0           0           0           0           0           0           0           0	F5           E         E           0         2224           3986         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         0.727           1.392         0.838           0         1.657           0         C <td>IB/week18           A3           6           6           7           7           7           8           9           100           100           100           0</td> <td>D6 8 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>18/week22 A1</td>	IB/week18           A3           6           6           7           7           7           8           9           100           100           100           0	D6 8 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week22 A1
PlotMidate Composite # Total # of species (L). /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) (T) Ephilium excavatum (L) (T) Glomospira gordialis (L) (T) (T) (T) (T) (T) (T) (T) (T) (T) (T	IBAverid           -         6           8         8           2040         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           1         199           1         190           0         0 <td>of without 18/vesh1 18/vesh1 19 2008 4976 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>D4 D4 D4 D4 D4 D4 D4 D4 D4 D4 D4 D4 D4 D</td> <td>Information           18/week3           B3           B3           8           8           131           0.79           0      <t< td=""><td>► oill) F6 5 6 8 2176 4338 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 11,1 3322 6.25 0 0 0 0.74 0 0.74 0 0.55 5.355 5.355 0 1.47</td><td>18/week5 A2 6 6 8 2944 5448 0.27 0.15 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.</td><td>F4 7 6 2056 0.35 0.21 0.21 0.20 1.02 1.02 0.02 1.02 0.02 0</td><td>18/wesk8 C1 6 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>E5 8 7 3304 4655 0.24 0.69 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>18/week10 C2 6 6 6 7 2800 5344 0.22 0.15 0.25 0.25 0.57 1.8 10.5 0.57 1.8 10.5 0.57 0.57 0.57 0.57 0.57 0.57 0.57 0</td><td>E4 5 6 5 6 5 6 6 6 6 6 6 7 6 6 7 6 6 7 7 6 7 7 6 7 7 6 7 7 9 6 7 7 9 7 7 9 6 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 7 9 7 7 9 7 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 7 9 7 7 7 9 7 7 7 9 7 7 7 7 7 7 7 7 7 7 7 7 7</td><td>IB/week14         B2           18/week14         B2           7         1080           14332         1.48           0         1.12           0         0           &lt;</td><td>F5           2         5           2         5           2         2           3986         0           0         0      <tr< td=""><td>IB/week18           A3           6           38800           1.003           38800           1.033           0      &lt;</td><td>D8 8 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>18/week22 A1 6 6 3576 4721 0.45 0.688 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0</td></tr<></td></t<></td>	of without 18/vesh1 18/vesh1 19 2008 4976 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 D4 D4 D4 D4 D4 D4 D4 D4 D4 D4 D4 D4 D	Information           18/week3           B3           B3           8           8           131           0.79           0 <t< td=""><td>► oill) F6 5 6 8 2176 4338 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 11,1 3322 6.25 0 0 0 0.74 0 0.74 0 0.55 5.355 5.355 0 1.47</td><td>18/week5 A2 6 6 8 2944 5448 0.27 0.15 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.</td><td>F4 7 6 2056 0.35 0.21 0.21 0.20 1.02 1.02 0.02 1.02 0.02 0</td><td>18/wesk8 C1 6 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>E5 8 7 3304 4655 0.24 0.69 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>18/week10 C2 6 6 6 7 2800 5344 0.22 0.15 0.25 0.25 0.57 1.8 10.5 0.57 1.8 10.5 0.57 0.57 0.57 0.57 0.57 0.57 0.57 0</td><td>E4 5 6 5 6 5 6 6 6 6 6 6 7 6 6 7 6 6 7 7 6 7 7 6 7 7 6 7 7 9 6 7 7 9 7 7 9 6 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 7 9 7 7 9 7 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 7 9 7 7 7 9 7 7 7 9 7 7 7 7 7 7 7 7 7 7 7 7 7</td><td>IB/week14         B2           18/week14         B2           7         1080           14332         1.48           0         1.12           0         0           &lt;</td><td>F5           2         5           2         5           2         2           3986         0           0         0      <tr< td=""><td>IB/week18           A3           6           38800           1.003           38800           1.033           0      &lt;</td><td>D8 8 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>18/week22 A1 6 6 3576 4721 0.45 0.688 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0</td></tr<></td></t<>	► oill) F6 5 6 8 2176 4338 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 11,1 3322 6.25 0 0 0 0.74 0 0.74 0 0.55 5.355 5.355 0 1.47	18/week5 A2 6 6 8 2944 5448 0.27 0.15 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	F4 7 6 2056 0.35 0.21 0.21 0.20 1.02 1.02 0.02 1.02 0.02 0	18/wesk8 C1 6 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 8 7 3304 4655 0.24 0.69 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week10 C2 6 6 6 7 2800 5344 0.22 0.15 0.25 0.25 0.57 1.8 10.5 0.57 1.8 10.5 0.57 0.57 0.57 0.57 0.57 0.57 0.57 0	E4 5 6 5 6 5 6 6 6 6 6 6 7 6 6 7 6 6 7 7 6 7 7 6 7 7 6 7 7 9 6 7 7 9 7 7 9 6 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 7 9 7 7 9 7 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 7 9 7 7 7 9 7 7 7 9 7 7 7 7 7 7 7 7 7 7 7 7 7	IB/week14         B2           18/week14         B2           7         1080           14332         1.48           0         1.12           0         0           <	F5           2         5           2         5           2         2           3986         0           0         0 <tr< td=""><td>IB/week18           A3           6           38800           1.003           38800           1.033           0      &lt;</td><td>D8 8 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>18/week22 A1 6 6 3576 4721 0.45 0.688 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0</td></tr<>	IB/week18           A3           6           38800           1.003           38800           1.033           0      <	D8 8 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week22 A1 6 6 3576 4721 0.45 0.688 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
PlotWidate Composite # Total # of species (L) /10cc (T) Total # of nikiduals (L) /10cc (T) Ephdium excavatur (L) (T) Ephdium excavatur (L) (T) Giornospira gordialis (L) (T) Giornospira gordialis (L) (T) Inner linings (L) (Ld) (T) Paeudo.limetis (L) (T) Thecamoebians (L) (T) Trocha.inf.ata (L) (Ld) (T) Trocha.macrescens (L) (Ld) (Total Trocha.macrescens (L) (Ld) (Total (Ld) (T) (Ld) (Total (Ld) (T) (T) (Ld) (T) (Ld) (T) (T) (Ld) (T) (T) (T) (T) (T) (T) (T) (T	IBound         -           8         8           980         2040           0         0           0 <t< td=""><td>of without 18/vesh1 18/vesh1 19 2008 4976 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>D4 D4 D4 D4 D4 D4 D4 D4 D4 D4 D4 D4 D4 D</td><td>Information           18/week3           B3           B3           8           8           131           0.79           0      <t< td=""><td>o cili)     F6     F6     S     Colored Colored</td><td>18/wesk5 A2 8 2944 0.27 0.155 0.0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0</td><td>F4 7 6 2056 0.35 0.21 0.21 0.20 1.02 1.02 0.02 1.02 0.02 0</td><td>18/wesk8 C1 6 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>E5 8 7 3304 4655 0 24 0 69 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>18/week10 C2 6 6 6 7 2800 5344 0.22 0.15 0.25 0.25 0.57 1.8 10.5 0.57 1.8 10.5 0.57 0.57 0.57 0.57 0.57 0.57 0.57 0</td><td>E4 5 6 5 6 5 6 6 6 6 6 6 7 6 6 7 6 6 7 7 6 7 7 6 7 7 6 7 7 9 6 7 7 9 7 7 9 6 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 7 9 7 7 9 7 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 7 9 7 7 7 9 7 7 7 9 7 7 7 7 7 7 7 7 7 7 7 7 7</td><td>IB/week14         B2           18/week14         B2           7         1080           14332         1.48           0         1.12           0         0           &lt;</td><td>F5           2         5           2         5           2         2           3986         0           0         0      <tr< td=""><td>IB/week18           A3           6           38800           1.003           38800           1.033           0      &lt;</td><td>D8 8 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>18/week22 A1 6 6 3576 4721 0.45 0.688 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0</td></tr<></td></t<></td></t<>	of without 18/vesh1 18/vesh1 19 2008 4976 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 D4 D4 D4 D4 D4 D4 D4 D4 D4 D4 D4 D4 D	Information           18/week3           B3           B3           8           8           131           0.79           0 <t< td=""><td>o cili)     F6     F6     S     Colored Colored</td><td>18/wesk5 A2 8 2944 0.27 0.155 0.0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0</td><td>F4 7 6 2056 0.35 0.21 0.21 0.20 1.02 1.02 0.02 1.02 0.02 0</td><td>18/wesk8 C1 6 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>E5 8 7 3304 4655 0 24 0 69 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>18/week10 C2 6 6 6 7 2800 5344 0.22 0.15 0.25 0.25 0.57 1.8 10.5 0.57 1.8 10.5 0.57 0.57 0.57 0.57 0.57 0.57 0.57 0</td><td>E4 5 6 5 6 5 6 6 6 6 6 6 7 6 6 7 6 6 7 7 6 7 7 6 7 7 6 7 7 9 6 7 7 9 7 7 9 6 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 7 9 7 7 9 7 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 7 9 7 7 7 9 7 7 7 9 7 7 7 7 7 7 7 7 7 7 7 7 7</td><td>IB/week14         B2           18/week14         B2           7         1080           14332         1.48           0         1.12           0         0           &lt;</td><td>F5           2         5           2         5           2         2           3986         0           0         0      <tr< td=""><td>IB/week18           A3           6           38800           1.003           38800           1.033           0      &lt;</td><td>D8 8 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>18/week22 A1 6 6 3576 4721 0.45 0.688 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0</td></tr<></td></t<>	o cili)     F6     F6     S     Colored	18/wesk5 A2 8 2944 0.27 0.155 0.0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	F4 7 6 2056 0.35 0.21 0.21 0.20 1.02 1.02 0.02 1.02 0.02 0	18/wesk8 C1 6 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 8 7 3304 4655 0 24 0 69 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week10 C2 6 6 6 7 2800 5344 0.22 0.15 0.25 0.25 0.57 1.8 10.5 0.57 1.8 10.5 0.57 0.57 0.57 0.57 0.57 0.57 0.57 0	E4 5 6 5 6 5 6 6 6 6 6 6 7 6 6 7 6 6 7 7 6 7 7 6 7 7 6 7 7 9 6 7 7 9 7 7 9 6 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 7 9 7 7 9 7 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 9 7 7 7 9 7 7 7 9 7 7 7 9 7 7 7 7 7 7 7 7 7 7 7 7 7	IB/week14         B2           18/week14         B2           7         1080           14332         1.48           0         1.12           0         0           <	F5           2         5           2         5           2         2           3986         0           0         0 <tr< td=""><td>IB/week18           A3           6           38800           1.003           38800           1.033           0      &lt;</td><td>D8 8 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>18/week22 A1 6 6 3576 4721 0.45 0.688 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0</td></tr<>	IB/week18           A3           6           38800           1.003           38800           1.033           0      <	D8 8 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week22 A1 6 6 3576 4721 0.45 0.688 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
PlotWidele Composite # Total # of species (L). /10cc (T) Total # of species (L). /10cc (T) Eggerelia advena (L) (Total # of individuals (L) /10cc (T) Ephidium excavatum (L) (T) Glomospira gordialis (L) (T) (Tioner linings (L) (T) (Total a dvena (L) (T) (Total a dvena (L) (T) (Tocha.inf.ata (L) (T) Trocha.macrescens (L) (T) (T) Trocha.macrescens (L) (T) (T) (T) (T) (T) (T) Trocha.macrescens (L) (T) (T) (T) (T) (T) (T) (T) (T) (T) (T	IBAuentil           -         6           8         8           2040         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           1         199           1         190           0         0 </td <td>of without 18/west1 18/west1 19 3 5 2008 4976 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>D4 D4 D4 D4 D4 D4 D4 D4 D4 D2 D0 D0 D0 D0 D0 D0 D0 D0 D0 D0 D0 D0 D0</td> <td>richment (n 18/veek3 B3 8 8 8 8 8 2440 4048 1.31 0.79 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>► oill) F6 5 6 8 2176 4338 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 11,1 3322 6.25 0 0 0 0.74 0 0.74 0 0.55 5.355 5.355 0 1.47</td> <td>18/week5 A2 8 2944 5448 0.27 0.15 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.</td> <td>F4 7 6 2056 3744 0.38 0.21 0.5 0.21 0.5 1.93 1.93 1.93 1.93 1.93 0.21 0.36 0.21 0.36 0.21 0.36 0.21 0.36 0.21 0.36 0.21 0.36 0.21 0.36 0.21 0.36 0.21 0.36 0.21 0.36 0.21 0.36 0.21 0.36 0.21 0.36 0.21 0.36 0.21 0.36 0.21 0.43 0.20 0.21 0.43 0.21 0.43 0.21 0.43 0.21 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.22 0.43 0.22 0.22 0.22 0.22 0.22 0.36 0.22</td> <td>18/week8 C1 6 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>E5 8 7 3304 4655 0.24 0.699 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0</td> <td>18/week10 C2 6 6 6 7 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7</td> <td>E4 5 6 5 6 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6</td> <td>IB/week14           B2           7           7           1080           11432           11432           11432           11432           11432           11432           11432           1142           0<td>F5           E           E           Sec           2224           3986           C           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.3           3.92           0.167           0.25.6           0.2</td><td>IB/week18           A3           6           6           38800           1.003           38800           1.033           0      &lt;</td><td>D5 8 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>18/week22 A1 0 0 0 0 0 0 0 0 0 0 0 0 0</td></td>	of without 18/west1 18/west1 19 3 5 2008 4976 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 D4 D4 D4 D4 D4 D4 D4 D4 D2 D0 D0 D0 D0 D0 D0 D0 D0 D0 D0 D0 D0 D0	richment (n 18/veek3 B3 8 8 8 8 8 2440 4048 1.31 0.79 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	► oill) F6 5 6 8 2176 4338 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 11,1 3322 6.25 0 0 0 0.74 0 0.74 0 0.55 5.355 5.355 0 1.47	18/week5 A2 8 2944 5448 0.27 0.15 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	F4 7 6 2056 3744 0.38 0.21 0.5 0.21 0.5 1.93 1.93 1.93 1.93 1.93 0.21 0.36 0.21 0.36 0.21 0.36 0.21 0.36 0.21 0.36 0.21 0.36 0.21 0.36 0.21 0.36 0.21 0.36 0.21 0.36 0.21 0.36 0.21 0.36 0.21 0.36 0.21 0.36 0.21 0.36 0.21 0.43 0.20 0.21 0.43 0.21 0.43 0.21 0.43 0.21 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.43 0.22 0.22 0.43 0.22 0.22 0.22 0.22 0.22 0.36 0.22	18/week8 C1 6 7 3704 5376 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 8 7 3304 4655 0.24 0.699 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	18/week10 C2 6 6 6 7 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7	E4 5 6 5 6 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6	IB/week14           B2           7           7           1080           11432           11432           11432           11432           11432           11432           11432           1142           0 <td>F5           E           E           Sec           2224           3986           C           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.3           3.92           0.167           0.25.6           0.2</td> <td>IB/week18           A3           6           6           38800           1.003           38800           1.033           0      &lt;</td> <td>D5 8 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>18/week22 A1 0 0 0 0 0 0 0 0 0 0 0 0 0</td>	F5           E           E           Sec           2224           3986           C           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.3           3.92           0.167           0.25.6           0.2	IB/week18           A3           6           6           38800           1.003           38800           1.033           0      <	D5 8 7 2944 3488 0.27 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0	18/week22 A1 0 0 0 0 0 0 0 0 0 0 0 0 0

**Table A-3**Table of results for foraminiferal occurrences for Treatment B (Control<br/>plot without nutrient enrichment; no oil), Plot 2 and 3, for weeks 0-22.<br/>Same format as Table A-1.

TREATMENT 2B	Control p	ot without	nutrient en	richment (n	o oli)		1				1	1	1			
PictWdate	2B/week0	2B/week1		2B/week3		28/week5		2B/week8		28/week10		28/week14		2B/week18		2B/week22
Composite #	•	B1	D4	83	F6	A2	F4	C1	E5	C2	E4	B2	F5	A3	D6	A1
Total # of species (L)	4	3	4	4	5	6	4	5	5	5	5	5	5	6	5	3
/10cc (T)	6	8	e			8						5		6	6	5
Total # of individuals (L)	768				1736	909		2856	3464	2544				2016	2632	4600
/10cc (T)	2104					1381			5544	3824				2504	3408	6224
Eggerella advena (L)	0										-	0		0	0	0
()	0					0.14								0	0	0
Elphidium excavatum (L)	0														0	0
0	0														0	0
Glomospira gordialis (L)	0														0	0
<u>()</u>	0													0	0	0
Inner linings (L)	2.08				0.48				0		0.47	0.32		0.79	0	0.13
<u>()</u>	1.52				0.51	1.18	1.17	0.65	0.72		0.81	0.49		1.28	0.94	
Miliammina fusca (L)	3.13					1.98		8.68							12.5	3.83
(Ld)	3.04					2.61		7.58						7.02	12.4	5.01
(bT)	0.04							1.30							0	0.01
	0														0	0
Pseudo.limetis (L) (T)	0				0										0	0
Thecamoebians (L)	0		0			0.07								0	0	0
(T)	0		0			0									0	0
Tiphotrocha comprimata (L)	0					0.22		0.28	0						0.91	0
Трлогосные сопрытаны (С)	0.76					0.14		0.43	0						0.7	0
Trocha.inflata (L)	0.70					15.4			18						12.2	8.52
(Ld)	Ő					0									0	0
( <u>12)</u>	Ő				39.4	14.5		12.3	18.2					10.9	10.6	8.48
(bT)	0		0		0	0			0	0	0			0	0	0
Trocha.macrescens (L)	0	0	0	0		0	0	0			0	0	0	0	0	0
Ū.	0	0.36	0.17	0	0	0	0	0	0	0	0	0	0	0	0	0
Trocha.mac.polystoma (L)	77.1	73.4	82.7	92.4		81.8	73.8		78.8						74.5	87.7
(Ld)	0	0	0	0.51	0	0		1.09	0						0	0.2
Ð	78.7	67.5	74.7	87.9	48.3	79,7		77.8	76.3			89.2			72.1	85.9
(Td)	0		0		0	1.45			0.19					0	0	0.3
Trocha.ochracea (L)	0		0		0	0.11	0	0							1.22	0
<u>()</u>	2.66	1.28	2.09	2.18	1.02	1.87	1	1.3	0.14	2.93	3.08	0.98	1.09	2.88	3.29	0.51
Ostracods (T#)	168	40	128	40	80	13	160	48	16	0	0	0	16	16	24	40
TREATMENT 3B		ot without	nutrient en		o oli)											
TREATMENT 3B PictWdate		38/week1		3B/week3		38/week5	E4	3B/weeks	Es	38/week10	E4	38/week14		38/week18	De	3B/week22
TREATMENT 3B Pict#date Composite #	38/week0 -	38/week1 B1	D4	3B/week3 B3	F6	A2	F4 5	C1	E5	C2	E4	B2	F6 5	A3	D6 4	38/week22 A1 4
TREATMENT 3B PictWdate Composite # Total # of species (L)	38/week0 - 4	38/week1 B1 4	D4 4	38/week3 B3 Ø	F6 6	A2 7	5	C1 7	6	C2 5	8	B2 6	5	A3 4		
TREATMENT 3B PictiWdate Composite # Total # of species (L) /10cc (T)	38/week0 - 4 5	38/week1 B1 4 5	D4 4	38/week3 B3 6 7	F6 6 9	A2 7 7	5	C1 7	6 7	C2 5	8	B2 6	5	A3 4 5	4	
TREATMENT 3B Pict#Wdate Composite # Total # of species (L) /10cc (T) Total # of individuals (L)	38/week0 - 4 5 288	38/week1 B1 4 5 1704	D4 4 6 1780	38/week3 B3 6 7 3644	F6 6 9 2936	A2 7 2144	5 5 3968	C1 7 8 3232	6 7 2288	C2 5 5 4472	6 6 3152	B2 6 6 2296	5 5 2832	A3 4 5 3938	4 5 2312	A1 4 8 2288
TREATMENT 3B PictWdate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T)	38/week0 - 4 5 288 2080	38/week1 B1 4 5 1704 3744	D4 4 6 1760 5952	38/week3 B3 6 7 3644 5224	F6 6 9 2936 4520	A2 7 7 2144 2856	5 5 3968 5400	C1 7 8 3232 5168	6 7 2288 3648	C2 5 4472 5552	6 6 3152 4120	B2 6 2296 2944	5 5 2832 4338	A3 4 5 3938 5580	4	A14
TREATMENT 3B PictWidate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L)	38/week0 - 4 5 288 2080 0	38/week1 B1 4 5 1704 3744 0	D4 4 1780 5952 0	3E/week3 B3 6 7 3644 5224 0	F6 6 9 2936 4520 0	A2 7 2144 2856 0	5 5 3968 5400 0	C1 7 8 3232 5168 0	6 7 2288 3648 0	C2 5 4472 5552 0	6 6 3152 4120 0	82 6 2296 2944 0.7	5 5 2832 4336 7 0	A3 4 5 3938 5580 0	4 5 2312 3058	A1 4 8 2288 3388
TREATMENT 3B PictWdate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) (T)	38/week0 - 4 5 288 2080 0 0	38/week1 B1 5 1704 3744 0 0	D4 4 1780 5952 0	3E/week3 B3 6 7 3644 5224 0 0	F6 9 2936 4520 0	A2 7 2144 2856 0 0	5 55 3968 5400 0 0	C1 7 8 3232 5188 0 0	6 7 2288 3848 0 0.22	C2 5 4472 5552 0 0	6 8 3152 4120 0 0	B2 6 2296 2944 0.7 0.54	5 2832 4336 0 0	A3 4 5 3938 5580 0 0	4 5 2312 3058 0 0	A1 4 2288 3368 0
TREATMENT 3B PictWdate Composite # Total # of species (L) /IOcc (T) Total # of individuals (L) /IOcc (T) Eggerella advena (L) Epitidium excavatum (L)	38/week0 - 4 5 288 2080 0	38/week1 B1 4 5 1704 3744 0 0 0 0	D4 4 1780 5952 0 0 0	38/week3 B3 6 7 3644 5224 0 0 0 0	F6 9 2936 4520 0 0	A2 7 7 2144 2856 0 0 0	5 55 3968 5400 0 0 0	C1 7 8 3232 5188 0 0 0 0	6 7 2288 3648 0 0.22 0	C2 5 4472 5552 0 0 0 0	6 6 3152 4120 0 0 0 0	B2 6 2296 2944 0.7 0.54 0	5 2832 4336 0 0 0 0 0	A3 4 5 3936 5560 0 0 0	4 5 2312 3058 0 0 0	A1 4 8 2288 3368 0 0
TREATMENT 3B PictWdate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) (T)	38/week0 - 4 5 288 2080 0 0 0 0 0	38/week1 B1 4 5 1704 3744 0 0 0 0 0	D4 4 1780 5952 0 0 0 0	38/week3 B3 6 7 3644 5224 0 0 0 0 0	F6 9 2936 4520 0 0 0 0	A2 7 2144 2856 0 0 0 0 0 0	5 3968 5400 0 0 0 0	C1 7 8 3232 5168 0 0 0 0 0 0	6 7 2288 3648 0 0.22 0 0 0 0 0	C2 55 4472 5552 0 0 0 0 0 0 0 0	6 6 3152 4120 0 0 0 0 0 0 0 0	B2 6 2296 2944 0.7 0.54 0 0 0 0	5 5 2832 4336 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 3936 5560 0 0 0 0 0 0 0 0	4 5 2312 3058 0 0 0 0 0 0	A1 4 2288 3368 0 0 0 0 0 0
TREATMENT 38 PictWdate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) Episdium excavatum (L) Gicmospira gordialis (L) (T)	38/week0 - 4 5 288 2080 0 0 0 0 0 0 0 0 0	38/week1 B1 4 5 1704 3744 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 1780 5952 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	38/week3 B3 6 7 3844 5224 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F6 9 2936 4520 0 0 0 0 0 0 0 0 0	A2 7 2144 2856 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 3988 5400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 7 8 3232 5188 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 2288 3648 0 0.22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 55 4472 5552 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 3152 4120 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 2296 2944 0.7 0.54 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 2832 4338 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 3938 5580 0 0 0 0 0 0 0 0 0 0 0	4 5 2312 3056 0 0 0 0 0 0 0 0	A1 4 2288 3368 0 0 0 0 0 0 0 0 0
TREATMENT 38 PictWdate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) Episdium excavatum (L) Gicmospira gordialis (L) (T)	38/week0 - 4 5 288 2080 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	38/week1 B1 4 5 1704 3744 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 1780 5952 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	38/week3 B3 6 7 3844 5224 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F6 9 2936 4520 0 0 0 0 0 0 0 0	A2 7 2144 2856 0 0 0 0 0 0 0 0 0	5 3988 5400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 7 8 3232 5188 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 7 2288 3648 0 0.22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 55 4472 5552 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 3152 4120 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 2296 2944 0.7 0.54 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 2832 4336 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 3938 5580 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 2312 3058 0 0 0 0 0 0 0 0 0 0 0 0	A1 4 2288 3388 0 0 0 0 0 0 0 0 0 0 0 0 0
TREATMENT 38 PictWdate Composite # Total # of species (L) HOcc (T) Total # of individuals (L) HOcc (T) Eggerella advena (L) Epidlum excavatum (L) Epidlum excavatum (L) Gicmospira gordialls (L) (T)	38/week0 - - - - - - - 4 - - - - - - - - - - -	38/week1 B1 4 5 1704 3744 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 1780 5952 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	38/week3 83 6 7 3644 5224 0 0 0 0 0 0 0 0 0 0 1.1	F6 9 2936 4520 0 0 0 0 0 0 0 0 0 0 0 0 0 18 0.82 1.59	A2 7 2144 2856 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 3988 5400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 7 8 3232 5168 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 2288 3648 0 0.22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 55 4472 5552 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 3152 4120 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 22964 2944 0.7 0.54 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 2832 4336 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 53936 5560 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 2312 3058 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 4 2288 3388 3388 0 0 0 0 0 0 0 0 0 0 0 0 0
TREATMENT 3B PictWdate Composite # Total # of species (L) HOcc (T) Total # of individuals (L) HOcc (T) Eggerella advena (L) Episidum excavatum (L) Episidum excavatum (L) Episidum excavatum (L) Inner linings (L) (T) Mill ammina fusca (L)	38/week0 - 4 5 288 2080 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	38/week1 B1 4 5 1704 3744 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 1780 5952 0 0 0 0 0 0 0 0 0 0 0 0 0	38/week3 B3 6 7 3044 5224 0 0 0 0 0 0 0 0 0 0 0 1.1 1.99 13.4	F6 9 2936 4520 0 0 0 0 0 0 0 0 0 0 1.59 10.1	A2 7 7 2144 2856 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 3988 5400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 7 8 3232 5168 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 2288 3648 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 55 4472 5552 00 00 00 00 00 00 00 00 00 00 00 00 00	8 6 3152 4120 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 22964 0,7 0,54 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 2832 4336 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5580 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 2312 3056 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 5.54	A1 4 8 2288 3388 0 0 0 0 0 0 0 0 0 0 0 0 0
TREATMENT 3B PictWdate Composite # Total # of species (L) //Occ (D) Eggerella advena (L) Eggerella advena (L) (D) Epitdum excavatum (L) Glomospira gordialis (L) (D) Mill ammina fusca (L) (Ld)	38/week0 - - - - - - - - - - - - - - - - - - -	38/week1 B1 4 5 1704 3744 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 1780 5952 0 0 0 0 0 0 0 0 0 0 0 0 0	38/week3 B3 6 7 3644 5224 0 0 0 0 0 0 0 0 0 0 0 0 0	F6 9 2936 4520 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 7 2144 2856 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 3988 5400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 7 8 3232 5188 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 2288 3648 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 4472 5552 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 6 3152 4120 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 2296 2044 0.7 0.54 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 2832 4338 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 55 3936 5560 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 2312 3056 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 4 2288 3388 0 0 0 0 0 0 0 0 0 0 0 0 0
TREATMENT 3B PictWdate Composite # Total # of species (L) /fOcc (T) Total # of individuals (L) /fOcc (T) Eggerella advena (L) (T) Elpridlum excavatum (L) Clcmospira gordialis (L) (T) Inner linings (L) (Mil ammina fusca (L) (T) (T)	38/week0 - 4 55 288 2080 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	38/wesk1 B1 55 1704 3744 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 1760 5952 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	58/week3 B3 7 3644 5224 0 0 0 0 0 0 0 0 0 0 0 0 0	F6 9 2936 4520 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 7 2144 2856 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 3988 5400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 7 8 3232 5168 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	e 7 2288 3648 0 0.22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 0	e 6 3152 4120 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 22944 0,7 0,54 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 2832 4336 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5580 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 2312 3058 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 4 6 2288 3388 0 0 0 0 0 0 0 0 0 0 0 0 0
TREATMENT 38 PictWdate Composite # Total # of species (L) /10cc (I) Total # of species (L) /10cc (I) Eggerella advena (L) Episdium excavatum (L) Episdium excavatum (L) Episdium excavatum (L) (I) Gicmospira gordialis (L) (I) Inner linings (L) (I) Mil ammina fusca (L) (Ld) (Td) (Td)	38/week0 - 4 5 288 2080 0 0 0 0 0 0 0 0 0 0 0 0 0	38/wesk1 B1 4 5 1704 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 1780 5952 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SB/week3         B3         6         7         3044         5224         0         1.1         1.9         9         1.3         4.1         1.3         5.5         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1         1.1 <td>F6 9 2936 4520 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A2 7 7 2144 2858 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>5 3988 5400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>C1 7 8 3322 5188 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>6 7 2288 3648 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>C2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5</td> <td>8 8 3152 4120 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>B2 6 6 2200 2944 0.7 0.54 0.64 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>5 5 2832 4336 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A3 4 5 33986 5580 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>4 5 2312 3058 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A1 4 2288 3388 0 0 0 0 0 0 0 0 0 0 0 0 0</td>	F6 9 2936 4520 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 7 2144 2858 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 3988 5400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 7 8 3322 5188 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 2288 3648 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	8 8 3152 4120 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 6 2200 2944 0.7 0.54 0.64 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 2832 4336 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 33986 5580 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 2312 3058 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 4 2288 3388 0 0 0 0 0 0 0 0 0 0 0 0 0
TREATMENT 3B PictWdate Composite # Total # of species (L) /10cc (T) Eggerella advena (L) Eggerella advena (L) (T) Egitidum excavetum (L) (T) Gicmospira gordialis (L) (I) Mil ammina fusca (L) (T) (I) Pseudo.limetis (L)	38/week0 - 4 5 288 2080 0 0 0 0 0 0 0 0 0 0 0 0 0	38Awesk1 B1 4 5 1704 3744 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 1780 5952 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	38/week3 B3	F6         6           9         936           4520         0           0         0           0         0           0         0           0         0           10.1         1.541           11.5         3.1           0         0	A2 7 7 2144 2856 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 3988 5400 00 00 00 00 00 00 00 00 00	C1 7 8 3232 5188 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 2288 3644 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 4472 5552 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 8 3152 4120 0 0 0 0 0 0 0 0 0 0 0 0 0	82 6 6 2296 2944 0.7 0.545 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 2832 4338 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 3038 5580 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 2312 30568 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
TREATMENT 3B PictWdate Composite # Total # of species (L) /fOcc (T) Total # of individuals (L) /fOcc (T) Eggerella advena (L) Eggerella advena (L) (T) Elpidium excavatum (L) (T) Inner linings (L) (T) Mill ammina fusca (L) (T) Pseudo.limetis (L) (T)	38/week0 - 4 5 268 2080 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	38Avesk1 B1 4 5 5 1704 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 1780 5952 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	38kweek3 B3	F6         8           9         2936           4520         0           0         0           0         0           0         0           0         0           0.82         1.59           10.1         5.41           11.5         3.1           0         0	A2 7 7 2144 2856 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 3988 5400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 7 8 3232 5188 0 0 0 0 0 0 0 0 0 0 0 0 0	6 77 2888 3648 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 5 5 5 5 5 5 5 5 5 5 0 0 0 0 0 0 0	0 6 6 7 152 0 0 0 0 0 0 0 0 0 0 0 0 0	82 6 6 2294 2944 0.7 0.545 0.0 54 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 2832 4339 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 3038 5560 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 2312 3058 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
TREATMENT 3B PictWdate Composite # Total # of species (L) //Occ (D) Total # of individuals (L) //Occ (D) Egretella advena (L) Egretella advena (L) (D) Epridium excavatum (L) Epridium excavatum (L) (D) Mill ammina fusca (L) (Ld) Pseudo.limetis (L) (D) Thecamoebians (L)	38/week0 - 4 5 288 2080 0 0 0 0 0 0 0 0 0 0 0 0 0	38/week1 B1 4 5 1704 5 1704 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 1780 5952 0 0 0 0 0 0 0 0 0 0 0 0 0	38/wesk3 B3	F6         6           9         9           2936         4520           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           10.1         5.41           11.5         3.1           0         0           0         0	A2 7 7 2144 2858 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 3988 5400 0 0 0 0 0 0 0 0 0 0 0 0	C1 7 8 3232 5188 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 2288 3644 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 4472 5552 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 8 3152 4120 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 6 22962 2944 0,7 0,54 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 28322 4336 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 3038 5560 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 2312 3056 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
TREATMENT 3B PictWdate Composite # Total # of species (L) /fOco (T) Total # of individuals (L) /fOco (T) Eggerella advena (L) (T) Egyidium excavetum (L) (T) Gicmospira gordialis (L) Gicmospira gordialis (L) (L) (L) (L) Pseudo.limetis (L) (T) Thecamoeblans (L) (T)	38/week0 - 4 5 2080 2080 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	38/week1 B1 4 5 5 71704 3744 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 1780 5952 0 0 0 0 0 0 0 0 0 0 0 0 0	3B/week3 B3 6 7 7 7 7 8 3 6 4 5 224 0 0 0 0 0 0 0 0 0 0 0 0 0	F6 9 9 2938 4520 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 7 2144 2858 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 5 5 5 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 7 8 3232 5188 0 0 0 0 0 0 0 0 0 0 0 0 0	6 77 2288 3848 0 0.22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 4472 5552 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0           8           3152           3152           0.25           0.19	B2 6 6 22964 22964 0,74 0,54 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 28322 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 5 3038 5590 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 2312 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
TREATMENT 3B PictWdate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) Eggerella advena (L) (T) Elpiedium excavatum (L) (T) Elpiedium excavatum (L) (T) Mill ammina fusca (L) (Ld) (T) Pseudo.limetis (L) (T) Thecamoeblans (L) (T) Theptrophs comprimet (L)	38/week0 - 4 5 2880 2080 0 0 0 0 0 0 0 0 0 0 0 0 0	38/wesk1 B1 4 5 1704 5 7704 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 17800 5952 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	38/wesk3 B3 6 7 3644 5224 0 0 0 0 0 0 0 0 0 0 0 0 0	F6         6           9         9           2936         4520           0         0           0         0           0         0           0         0           0         16           1.59         10.1           5.41         11.5           3.1         0           0         0           0         0           0         0           0         0           0         0	A2 7 7 2144 2856 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 7.28 7.84 0 0 7.28 0 0 0 0 0 7.28 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 5 5 5 5 400 0 0 0 0 0 0 0 0 0 0 0 0	C1 7 8 3232 5168 0 0 0 0 0 0 0 0 0 0 0 0 0	e 77 2288 3648 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 4472 5552 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0         0           8         8           3152         4120           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         17.1           1.14         0           0         0           0.25         0.19           0         0	B2 6 6 22964 0.7. 0.54 0.54 0.54 0.55 0.55 1.059 2.15 1.099 2.15 1.27 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 28322 4336 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 5 3039 5560 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 2312 3056 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
TREATMENT 3B PictWdata Composite # Total # of species (L) /10cc (T) Eggerella advena (L) Eggerella advena (L) (T) Egyidium excavetum (L) (T) Gicmospira gordialis (L) (T) Mil ammina fusca (L) (Ld) (T) Pseudo.limetis (L) Thecamoeblans (L) (T) Tphotrophs comprimet (L)	38Aveek0 - 4 52888 22880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	38/vesk1 B1 4 5 1704 3744 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 5952 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3B/week3 B3 6 7 7 7 7 7 7 7 7 7 7 7 7 7	F6 9 9 2938 4520 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 7 2144 2858 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 7.84 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 5 3088 5400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 7 8 3232 5168 0 0 0 0 0 0 0 0 0 0 0 0 0	6 77 2286 3648 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 4472 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	B2 6 6 22964 22944 0,7 0,54 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 28322 4336 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 5 3038 5590 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 2312 3058 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
TREATMENT 3B PictWdate Composite # Total # of species (L) /fOcc (T) Total # of individuals (L) /fOcc (T) Eggerella advena (L) Eggerella advena (L) Eggerella advena (L) Eggerella advena (L) (T) Egridium excavalum (L) Eggerella advena (L) (T) Mil ammina fusca (L) (C) Mil ammina fusca (L) (T) Thecamoeblans (L) (T) Tpohrosha comprimeta (L) Trocha.inflata (L)	38Aveek0 - 4 5 2885 2080 0 0 0 0 0 0 0 0 0 0 0 0 0	38/week1 B1 4 5 5 7704 3744 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 17800 5952 0 0 0 0 0 0 0 0 0 0 0 0 0	3B/week3 B3 6 7 7 7 7 7 7 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0	F6 9 9 2938 4520 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 77772144 285650000 0000000000000000000000000000000	5 5 5 3988 5400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 7 8 3332 5188 0 0 0 0 0 0 0 0 0 0 0 0 0	e 77 2288 3648 3648 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	e           6           6           6           7           0	B2 6 6 2200 2200 2944 0,7 0,54 0,0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 2832 4336 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 5 3038 55900 0 0 0 0 0 0 0 0 0 0 0 0	4 5 3056 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 4 4 8 2288 3288 300 0 0 0 0 0 0 0 0 0 0 0 0
TREATMENT 3B PictWdate Composite # Total # of species (L) //Occ (D) Total # of individuale (L) //Occ (D) Egretella advena (L) Egretella advena (L) (D) Epridium excavatum (L) (D) Gicmospira gordialis (L) (D) Mil ammina fusca (L) (Ld) Pasudo.limetis (L) Thecamoeblans (L) (D) Tpotorosta comprimata (L) (Ld)	38Aveek0 - 4 5 2080 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	38/vesh1 B1 4 5 7704 3744 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 5952 0 0 0 0 0 0 0 0 0 0 0 0 0	3B/week3 B3 6 7 3044 5224 0 0 0 0 0 0 0 0 0 0 0 0 0	F6	A2 7 7 2144 2856 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 5 5 5 400 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 7 8 3232 5168 0 0 0 0 0 0 0 0 0 0 0 0 0	e 7 2288 3648 0.22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	e e e e e e e e e e e e e e	B2 6 6 6 6 6 7 2296 2296 2044 0.7 0.54 0.5	5         5           2832         4338           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	A3 5 3338 5560 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 5 2312 3058 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
TREATMENT 3B PictWdate Composite # Total # of species (L) /10cc (T) Eggerella advena (L) (T) Eggerella advena (L) (T) Egisidium excavetum (L) (T) Egisidium excavetum (L) (D) (T) Egisidium excavetum (L) (L) (L) (L) (L) (L) Pseudo.limetis (L) Thecamoeblans (L) (L) Trocha.inflata (L) (L) (L) (L) (L) (L) (L) (L)	38Aveek0 - 4 5 2888 2080 0 0 0 0 0 0 0 0 0 0 0 0 0	38/week1 B1 4 5 5 71704 3744 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 17800 5952 0 0 0 0 0 0 0 0 0 0 0 0 0	3B/week3 B3 6 7 7 7 7 7 7 7 7 7 7 7 7 7	F6 9 2938 4520 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7777 2144 2856 0000 00000 0000000000000000000000000	5 5 5 3988 5400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 7 8 3232 5188 0 0 0 0 0 0 0 0 0 0 0 0 0	e 77 2288 3048 0.22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	8         8           8         8           3152         4120           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	B2 6 6 6 6 7 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8	5 5 28322 4339 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 3338 5560 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 2312 3058 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 4 8 2288 3388 3088 0 0 0 0 0 0 0 0 0 0 0 0 0
TREATMENT 3B PictWdate Composite # Total # of species (L) /fOcc (T) Total # of individuals (L) /fOcc (T) Eggerella advena (L) (T) Egrerella advena (L) (T) Egridlum excavatum (L) (T) Egridlum excavatum (L) (T) Inner linings (L) (T) Mill ammina fusca (L) (T) Pseudo.limetis (L) (T) Thecamoeblans (L) (T) Tpohrohs comprimets (L) (Ld) (Ld) (Ld) (T) (Ld) (Ld) (T)	38Aveek0 4 5 2080 2080 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	38/vesh1 B1 4 5 7704 3744 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 0 1780 5952 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3B/wei3 B3 6 7 33444 5224 0 0 0 0 0 0 0 0 0 0 0 0 0	F6	A2 7 7 2144 2856 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 5 5 5 5 5 5 0 0 0 0 0 0 0 0 0 0 0 0	C1 7 8 3 3 3 3 3 3 3 3 2 5 1 8 8 0 0 0 0 0 0 0 0 0 0 0 0 0	e 7 2288 3648 0.22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	e e 3 152 4 120 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 6 6 6 22960 29444 0,7 0,54 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,	5 28322 4336 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 3939 55590 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 5 3056 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
TREATMENT 3B PictWdate Composite # Total # of species (L) //Occ (T) Total # of individuals (L) //Occ (T) Eggetella advena (L) Eggetella advena (L) (T) Eggetella advena (L) (T) Gicmospira gordialis (L) (T) Mil ammina fusca (L) (Ld) Pseudo.limetis (L) (T) Thecamoebians (L) (T) Trocha.inflata (L) (Ld) (Td) (Ld) (Td) (Ld) (Td) (Ld) (Td) (Ld) (Td) (Ld) (Td)	38Aveek0 - 4 5 2080 2080 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	38/weik1 B1 4 5 5 7704 3744 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 6 7 7 6 6 7 7 6 7 7 7 6 7 7 7 7 7	3B/week3 B3 6 7 3044 5224 0 0 0 0 0 0 0 0 0 0 0 0 0	F6         0           9         9           2938         4520           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           14.2         0           0         0	A2 7 7 7 2144 2856 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 5 3988 5400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 7 8 3232 5188 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	e 7 2288 3648 3648 0.22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	6         6           8         6           9         3152           4120         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	B2 6 6 6 6 6 7 7 0 5 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0	5 2832 4336 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 5 3038 5590 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 5 2312 3058 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
TREATMENT 3B PictWdate Composite # Total # of species (L) /fOco (T) Total # of individuals (L) /fOco (T) Eggerella advena (L) (T) Egyerella advena (L) (T) Egyerella advena (L) (T) Egyerella advena (L) (T) Gicmospira gordialis (L) (L) (L) (L) (L) (L) (L) Thecamoeblans (L) (T) Trocha.inflata (L) (L) (L) (L) (L) Trocha.inflata (L) (L) (L) (L) (L) (L) (L) (L)	38Aveek0 - 4 5 2080 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	38/week1 B1 4 5 1704 3744 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 7 7 6 6 7 7 6 7 7 6 7 7 6 7 7 7 7	3B/week3 B3 6 7 7 7 7 7 7 7 7 7 7 7 7 7	F6         6           9         9           2938         4520           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	A2 77772144 2856500000000000000000000000000000000000	5 5 5 3988 5400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 7 8 3332 5188 0 0 0 0 0 0 0 0 0 0 0 0 0	e 77 2288 3048 3048 0.022 0.02 0.05 55 0.04 11.2 11.8 11.8 11.8 0 0.05 55 0.3 55 0.04 0 0.03 55 0.03 55 0.03 55 0.02 0 0.02 0.02 0.02 0.02 0.02 0.02	C2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	e           6           6           6           6           6           6           6           6           6           6           6           6           6           6           0	B2 6 6 2200 2200 2044 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 28322 4339 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 3038 55800 0 0 0 0 0 0 0 0 0 0 0 0	4 5 2312 3058 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 4 4 8 2388 3388 300 0 0 0 0 0 0 0 0 0 0 0 0
TREATMENT 3B PictWdate Composite # Total # of species (L) /fOcc (T) Total # of individuals (L) /fOcc (T) Eggerella advena (L) (T) Eggerella advena (L) (T) Eggerella advena (L) (T) Eggerella advena (L) (T) Inner linings (L) (T) Mill ammina fusca (L) (T) Mill ammina fusca (L) (T) Pseudo.limetis (L) (T) Tpohrohs comprimeta (L) (Ld) (T) Trocha.inflata (L) (Tocha.inflata (L) (T) Trocha.macrescens (L) (T) Trocha.macrescens (L) (T) Trocha.macrescens (L) (T) Trocha.macrescens (L) (T) Trocha.macrescens (L)	38Aveek0 - 4 5 2080 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	38/vesh1 B1 4 5 7704 3744 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 4 6 6 6 6 6 6 7 7 6 6 7 7 6 7 7 6 7	3B/week3 B3 6 7 3044 5224 0 0 0 0 0 0 0 0 0 0 0 0 0	F6           0           2936           4520           0	A2 7 7 2144 2856 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 5 5 5 5 5 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 7 8 3 3 3 3 3 3 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 3 2 3 3 2 3 3 2 3 2 3 3 3 3 3 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3	e 7 2288 3648 0.22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	6         6           3152         3152           4120         0           0         0	B2 6 6 6 6 6 2290 2944 20	5 28522 4336 4336 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 3939 55690 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 2312 3058 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 4 6 2288 3388 0 0 0 0 0 0 0 0 0 0 0 0 0
TREATMENT 3B PictWdate Composite # Total # of species (L) /10cc (T) Eggerella advena (L) Eggerella advena (L) Eggerella advena (L) (T) Egitidum excavatum (L) Egitidum excavatum (L) (T) Gicmospira gordialis (L) (T) Mil ammina fusca (L) (Ld) (T) Thecamoebians (L) (T) Tpohrochs comprimat (L) (Ld) (Ld) (Tocha.inflata (L) (Ld) (Tocha.macrescens (L) Trocha.macrescens (L) (T) Trocha.macrescens (L) (Ld) (Ld) (Ld) (Ld) (Ld) (Ld) (Ld) (Ld) (T) Trocha.macrescens (L) (Ld)	38Aveek0 - 4 5 2288 2080 0 0 0 0 0 0 0 0 0 0 0 0 0	38/week1 B1 4 5 5 7704 3744 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 4 6 7 7 6 6 7 7 6 6 7 7 6 7 7 7 6 7	3B/week3 B3 6 7 3644 5224 0 0 0 0 0 0 0 0 0 0 0 0 0	F6         0           9         9           2938         4520           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         14.2           0         0           0         0           0         0           0         0	A2 7 7 7 2144 2856 8 8 8 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 5 5 5 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 7 8 3232 5188 0 0 0 0 0 0 0 0 0 0 0 0 0	e 7 2288 3648 3648 0.22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	6         6           8         6           9         3152           4120         0           0         0	B2 6 6 6 6 6 7 7 0 7 0 7 0 7 0 7 0 7 0 7 0	5 2832 4336 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 3338 5560 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 2312 3058 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 4 4 8 2288 3288 300 0 0 0 0 0 0 0 0 0 0 0 0
TREATMENT 3B PictWdate Composite # Total # of species (L) /floco (T) Eggerella advena (L) (Total # of individuals (L) /floco (T) Eggerella advena (L) (T) Egyerella advena (L) (T) Egyerella advena (L) (T) Egyerella advena (L) (T) Mil ammina fusca (L) (C) Mil ammina fusca (L) (C) Thecamoeblans (L) (T) Trocha.inflata (L) (T) Trocha.macrescene (L) (T) Trocha.macrescene (L) (Ld) (Ld) (Ld) (Ld) (C) (C) (C) (C) (C) (C) (C) (C	38Aveek0 - 4 5 2080 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	38/week1 B1 4 5 5 71704 3744 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 4 6 7 7 6 6 7 7 6 7 6 7 6 7 6 7 6	3B/week3 B3 6 7 7 3644 5224 0 0 0 0 0 0 0 0 0 0 0 0 0	F6         6           9         9           2938         4520           0         0	A2 77772144 2856500000000000000000000000000000000000	5 5 5 3988 5400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 7 8 3332 5168 0 0 0 0 0 0 0 0 0 0 0 0 0	e 7 2288 3648 0.22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	e e e e e e e e e e e e e e	B2 6 6 2200 2200 2944 0,7 0,54 0,0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 28322 4336 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 3938 5590 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 5 3058 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
TREATMENT 3B PictWdate Composite # Total # of species (L) //Occ (T) Total # of individuals (L) //Occ (T) Eggrefula advena (L) Eggrefula advena (L) (T) Bicmospira gordialis (L) (T) Gicmospira gordialis (L) (T) Gicmospira gordialis (L) (T) Gicmospira gordialis (L) (T) Mill ammina fusca (L) (Ld) Pseudo.limetis (L) (T) Thecamoebians (L) (T) Trocha.inflata (L) (T) Trocha.macrescens (L) (Ld) (T) (Ld) (Total.filata (L) (Ld) (Total.filata (L) (T) (Ld) (Total.filata (L) (T) (Total.filata (L) (T) (Total.filata (L) (T) (Total.filata (L) (T) (Total.filata (L) (T) (Total.filata (L) (T) (Total.filata (L) (T) (T) (T) (T) (T) (T) (T) (T	38Aveek0 - 4 5 2080 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	38/vesk1 B1 4 5 7704 3744 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 4 6 6 7 7 6 6 7 7 6 7 7 6 7 7 6 7 7 6 7 7 6 7 7 8 0 7 7 8 9 0 0 7 7 8 9 0 0 0 7 7 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ballwork13           B3           0           7           30444           5224           0           0           0           0           0           0           0           0           0           0           0           0           0           0           13.4           1.99           13.4           1.34           0           0.31           0.44           0.31           0           0.31           0.64           68           0.64	F6           0           2936           4520           0<	A2 7 7 2144 2856 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 5 5 5 5 400 0 0 0 0 0 0 0 0 0 0 0 0	C1 7 8 3232 5168 0 0 0 0 0 0 0 0 0 0 0 0 0	e 7 2288 3648 0.22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	6         6           3152         3152           4120         0           0	B2 6 6 6 6 6 6 6 7 7 0 6 7 7 0 6 7 7 0 6 7 7 0 7 7 7 6 7 7 7 7	5 5 28522 4338 4388 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 3339 5560 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 2312 3058 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
TREATMENT 3B PictWdata Composite # Total # of species (L) /10cc (T) Eggerella advena (L) Eggerella advena (L) (T) Egitidum excavatum (L) (T) Egitidum excavatum (L) (T) Egitidum excavatum (L) (T) Egitidum excavatum (L) (T) Egitidum excavatum (L) (T) Egitidum excavatum (L) (L) (T) Thecamoeblans (L) (L) (T) Trocha.inflata (L) (Le) (T) Trocha.macrescens (L) (T) Trocha.macrescens (L) (T) (L) (L) (T) Trocha.macrescens (L) (T) (T) (T) (T) (T) (T) (T) (T	38Aveek0 - 4 5 2080 2080 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	38/week1 B1 4 5 1704 3744 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 7 7 6 6 7 7 6 7 7 6 7 7 6 7 7 6 7	38/week3 B3 6 7 3044 5224 0 0 0 0 0 0 0 0 0 0 0 0 0	F6         6           9         9           2938         4520           0         0      0         0	A2 7777 2144 2856 0000 0000 00000 00000000000000000000	5 5 5 3988 5400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 7 8 3232 5188 0 0 0 0 0 0 0 0 0 0 0 0 0	e 7 2288 3048 3048 0.22 0 0 0 0 0 3.53 11.2 3.133 11.8 5 1.85 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	6         6           8         6           9         3152           4120         0           0         0 </td <td>B2 6 6 6 6 6 6 6 6 7 7 0 7 0 7 0 7 0 7 0 7</td> <td>5 5 28322 4336 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A3 4 5 3338 5560 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>4 5 2312 3058 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A1 4 4 8 2288 3288 300 0 0 0 0 0 0 0 0 0 0 0 0</td>	B2 6 6 6 6 6 6 6 6 7 7 0 7 0 7 0 7 0 7 0 7	5 5 28322 4336 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 3338 5560 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 2312 3058 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 4 4 8 2288 3288 300 0 0 0 0 0 0 0 0 0 0 0 0
TREATMENT 3B PictWdate Composite # Total # of species (L) /10cc (T) Eggerella advena (L) Eggerella advena (L) (T) Epitdium excavatum (L) (T) Gicmospira gordialis (L) (T) Gicmospira gordialis (L) (T) Mill ammina fusca (L) (Ld) (Td) Pesudo.limetis (L) (T) Thecamoebians (L) (T) Trocha.inflata (L) (Td) Trocha.macrescens (L) (Ld) (Td) (Td) (Ld) (Td) (Ld) (Td)	38Aveek0 - 4 5 2288 2080 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	38/vesk1 B1 4 5 7704 3744 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 4 6 6 7 7 6 6 7 7 6 7 7 6 7 7 6 7 7 6 7 7 6 7 7 8 0 7 7 8 9 0 0 7 7 8 9 0 0 0 7 7 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	38/week3 B3 6 7 3044 5224 0 0 0 0 0 0 0 0 0 0 0 0 0	F6           0           2936           4520           0<	A2 7 7 2144 2856 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 5 5 5 5 400 0 0 0 0 0 0 0 0 0 0 0 0	C1 7 8 3232 5168 0 0 0 0 0 0 0 0 0 0 0 0 0	e 7 2288 3648 0.22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	6         6           8         6           9         3152           4120         0           0         0 </td <td>B2 6 6 6 6 6 6 6 7 7 0 6 7 7 0 6 7 7 0 6 7 7 0 7 7 7 6 7 7 7 7</td> <td>5 5 28322 4336 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A3 4 5 3339 5560 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>4 5 2312 3058 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A1</td>	B2 6 6 6 6 6 6 6 7 7 0 6 7 7 0 6 7 7 0 6 7 7 0 7 7 7 6 7 7 7 7	5 5 28322 4336 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 3339 5560 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 2312 3058 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
TREATMENT 3B PictWdate Composite # Total # of species (L) /fOcc (T) Eggerella advena (L) (T) Eggerella advena (L) (T) Epidium excavatum (L) (T) Gicmospira gordialis (L) (D) (T) Gicmospira gordialis (L) (L) (C) (C) (C) (C) (C) Theoremoeblans (L) (Le) (C) Theoremoeblans (L) (C) Trocha.inflata (L) (C) (C) (C) (C) (C) (C) (C) (C	38Aveek0 - 4 5 2080 2080 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	38/week1 B1 4 5 5 7704 3744 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 4 6 6 7 7 6 6 7 7 6 7 7 6 7 7 6 7 7 6 7	Baywork3           B3           0           7           30444           5224           0           0           0           0           0           0           0           0           0           0           0           0           0           1.14           1.34           1.84           0.31           0.31           0.31           0.31           0.31           0.33           0.44           0.88           0.444           1.38	F6         6           9         9           2938         4520           0         0      0         0	A2 7777 2144 2856 0000 0000 00000 00000000000000000000	5           5           5           5           5           5           5           5           5           5           5           5           5           5           0           0           0           0           0           0           0           0           0           70.4           0           1.21           2.37	C1 7 8 3232 5188 0 0 0 0 0 0 0 0 0 0 0 0 0	e 7 2288 3048 3048 0.22 0 0 0 0 0 3.53 11.2 3.133 11.8 5 1.85 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	6         6           8         8           3152         4120           0         0 </td <td>B2 6 6 6 7 2000 2044 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>5           2832           4338           0<!--</td--><td>A3 4 5 3338 5560 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>4 5 2312 3058 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A1</td></td>	B2 6 6 6 7 2000 2044 0 0 0 0 0 0 0 0 0 0 0 0 0	5           2832           4338           0 </td <td>A3 4 5 3338 5560 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>4 5 2312 3058 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A1</td>	A3 4 5 3338 5560 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 2312 3058 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1

**Table A-4**Table of results for foraminiferal occurrences for Treatment C (Oiled plot<br/>with no treatments; natural attenuation), Plot 1 and 2, for weeks 0-22.<br/>Same format as Table A-1.

1C/week5 1C/week8

Pice#icitationClowesitNomeClowesitNome	TREATMENT 1C	Oiled plot	without the	atments in	atural atten	uation)			1	1	1						
Composite ControlPI<				I IIII			1C/week5		1C/weeks		1C/week10		1C/week14		1C/week18		1C/week22
Cond & Lenges         A         <		-		D4		F6		F4		ES		E4		F5		D6	and the second second second
Total # Charles         1100         0.10		3	5		and the second se						4					4	4
Obs         Obs <td>/10cc (T)</td> <td>8</td> <td>7</td> <td>7</td> <td>10</td> <td>7</td> <td>6</td> <td>7</td> <td>7</td> <td>6</td> <td>6</td> <td>5</td> <td>6</td> <td>6</td> <td>8</td> <td>5</td> <td>6</td>	/10cc (T)	8	7	7	10	7	6	7	7	6	6	5	6	6	8	5	6
Specific Action and Action A	Total # of individuals (L)	1552	8416	2448	4032	3344	3856	4528	5368	3912	4408	2608	4484	1632	1138	2584	3568
Specific Action and Action A				8472													8976
Bernder exervan(n.)         0		0															
O         O	Ū	0	0	0.01	0.1	0	0.16	0	0	0	0	0	0	0	0	0	0.1
Generating (L)         O	Elphidium excavatum (L)						0	0	0	0	0	0	0	0	0	0	0
model         model <th< td=""><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td></th<>		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Inter lines         (b)         (c)         (c) <th< td=""><td>Glomospira gordialis (L)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>and the second s</td><td>the second se</td></th<>	Glomospira gordialis (L)															and the second s	the second se
(f)         0.21         0         0.01         1.26         1.86         1.90         2.21         1.16         0.54         0.54         0.64         0.85           (f)         0.54         0.51         0.54         0.52         0.55         0.54         0.55         0.54         0.55 <td></td>																	
Nillamenta larga         (i)         548         27         28         174         38         28         153         314         116         44.4         462         12.6         12	Inner linings (L)																
(d)         3.77         16.7         3.86         2.1         2.1.8         1.6.8         7.26         7.87         7.87         7.87         7.87         7.82         7.81 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>																	
(n)         ets.         52.8         64.7         56.7         28.7         28.3         77.8         152         77.3         152         153         116         153         153         164         61         151         157.8         652         65.7         65.7         65.8         164.2         354         64.2         354         64.2         354         64.2         354         64.2         354         64.2         354         64.2         354         64.2         354         64.2         354         64.2         354         64.2         56.2         64.2         64.2         56.3         64.0         64.2         64.2         64.2         64.2         75.2																	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$																	
Peedo Imenti         (a)         (b)         (c)         (c) <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>																	
(f)         0 21         0 19         133         0 30         0 02         0 044         0 38         0 0																	
The amount of the amo																	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$																	
Techandrate systems 1) 0 0.69 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																	
(f)         0 21         0.13         0         0.1         0 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>																	
Trocha, Influia         (1)         0         4480         641         3.48         2.82         5.86         7.42         0.287         0.346         0.581         1.64         0.81         3.43         2.82         5.86         7.42           (1)         0        0         0         0<																	
L(d)         0																	
(f)         0         4.02         2.5         11         2.66         0.37         6.39         3.61         3.41         1.51         5.69         5.11         4.53         4.43         4.63           Troha macrogener (L)         0						3.59	2.9	7.42	6.28	3.48							
(fg)         0																	
Trocha macroscenia (b) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																	
material																	
Tende area sogetions         (b)         (b)         (c)																	
(i.e)         0         22.5         0         2.15         1.48         3.20         0.59         0.35         0         1.21         0.89         1.31         0         1.28         0.0           (T0)         31.2         0.12         0.89         0.71         0.85         0.0         0.71         0.81         0.07         0.81         0.0																	
(f)         31.2         61.1         32.6         68.4         69.4         67.7         73.6         52         69.4         38.1         40         55           Trochacoma (L)         0         0.26         0.77         0.80         1.66         2.81         0.77         0.51         0.78         1.34         1.33         0.40         0.66         0.77         0.61         0.76         1.34         1.33         0.48         0.66         0.77         0.61         0.76         1.34         1.33         0.44         0.66         0.77         0.61         0.76         1.34         1.38         0.48         0.77         0.61         0.76         0.77         0.61         0.76         0.77         0.61         0.76         0.77         0.61         0.76         0.77         0.61         0.76         0.76         0.76         0.76         0.76         0.76         0.76         0.77         0.76         0.76         0.76         0.76         0.76         0.76         0.76         0.76         0.76         0.76         76         77         76         0.76         76         77         76         76         77         76         76         77         76         76 </td <td></td>																	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$																	
Tocha ochracea         (1)         0         0.67         0.3         0         0.68         2.07         0         0.16         0.41         0.54         0.61         1.88         2.86         1.31         1.18         0.66         0.7         0         0         0           Chiracods         (T6)         6         80         133         64         46         68         72         266         16         0         6         16         0																	
(f)         1.00         0.02         1.4         1.35         2.29         5.3         1.21         2.02         1.8         1.96         3.95         1.88         2.86         1.31         1.16         1.96           Cetracods         (ff)         8         0.60         0.60         6         1.90         6         6         0         0         6         0         0         6         0         0         6         0         6         0         0         6         0         6         0         6         0         6         6         0         7         6         7         6         7         6         7         6         7         6         7         6         7         6         7         6         7         6         7         6         7         6         7         6         7         7         6         7         7         6         7 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>																	
Chracods         Contracods         Contract         Contrat         Contract         Contract																and the second se	
REATMENT 20         Olied jot without resuments (natural attaution)         PC/PARA         RC/west 2         RC/west 3		1.00	0.01	1.4	1.00		0.0		2.02	1.0	1.00	0.00	1.00				
REATMENT 20         Olied jot without resuments (natural attaution)         PC/PARA         RC/west 2         RC/west 3	Ostracods (T#)	8	80	138	84	16	8	72	56	18	0	8	18	0	0	8	0
Picotificate         20mask b         20mask b         Pit         Def         B         Pit         B         Pit	Condected (117)			100													
Picotificate         20mask b         20mask b         Pit         Def         B         Pit         B         Pit																	
Total # of species         (i)         5         4         6         5         6         5         6         5         6         5         6         5         6         5         6         5         6         5         6         5         6         5         6         5         6         5         6         5         6         5         6         6         7         8         7         8         7         7         8         7         7         8         7         7         8         7         7         6         5         5         6         6         6         7         6         6         5         7         6         6         5         7         6         6         5         7         6         6         5         6         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         7         7         6         7         7         7         6         7         7         6         7         7         7         7         7	TREATMENT 2C	Oiled plot	without tre	atments (na	atural atten	uation)											
rite         rite <thrit< th="">         rite         rite         r</thrit<>	PlotWdate					uation)	2C/week5		2C/week8		2C/week10		2C/week14		2C/week18		2C/week22
Total # of Individuals (L) 1246 3376 1752 2216 1776 3784 444 2894 2000 2776 2792 2982 2224 3303 1192 1712 1710 100 0 307 7032 3808 3592 3400 5095 4488 5824 4048 6524 4048 4040 4304 4588 3288 3380 2592 4000 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PlotWdate		2C/week1		2C/week3		A2	F4		E5	C2		B2		A3	and the second se	
Theor         Theor <th< td=""><td>Piot#date Composite #</td><td>2C/week0</td><td>2C/week1</td><td>D4 4</td><td>2C/week3 B3 5</td><td>F6 5</td><td>A2 7</td><td>8</td><td>C1 5</td><td>4</td><td>C2 5</td><td>5</td><td>B2 6</td><td>5</td><td>A3 5</td><td>8</td><td>A1 5</td></th<>	Piot#date Composite #	2C/week0	2C/week1	D4 4	2C/week3 B3 5	F6 5	A2 7	8	C1 5	4	C2 5	5	B2 6	5	A3 5	8	A1 5
Eggenetia advens         (L)         0	Plot#date Composite # Total # of species (L) /10cc (T)	2C/week0 5 6	2C/week1 B1 4 5	D4 4 6	2C/week3 B3 5 6	F6 5 7	A2 7 8	8 7	C1 5	4	C2 5 5	5	B2 6 6	5	A3 5 8	<del>8</del> 7	A1 5
Sage the screw with (1)         0	Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuals (L)	2C/week0 5 6 1248	2C/week1 B1 4 5 3376	D4 4 6 1752	2C/week3 B3 5 6 2216	F6 5 7 1776	A2 7 8 3784	6 7 4544	C1 5 2884	4 8 2000	C2 5 2778	5 5 2792	82 6 6 2952	5 5 2224	A3 5 8 3032	6 7 1192	A1 5 6 1712
Ephidum excavetum (1)         0	Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T)	2C/week0 5 6 1248 3072	2C/week1 B1 4 5 3376 7032	D4 4 6 1752 3608	2C/week3 B3 5 6 2216 3592	F6 5 7 1776 3400	A2 7 8 3784 5304	6 7 4544 5952	C1 5 2664 4488	4 6 2000 5624	C2 5 2776 4048	5 5 2792 4040	B2 6 2952 4304	5 5 2224 3484	A3 5 6 3032 4528	8 7 1192 3288	A1 5 6 1712
(1)         0	Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L)	2C/week0 5 6 1248 3072 0	2C/week1 B1 4 5 3376 7032 0	D4 4 6 1752 3808 0	2C/week3 B3 5 6 2216 3592 0	F6 5 7 1776 3400 0	A2 7 8 3784 5304 0.21	0 7 4544 5952 0.35	C1 5 2684 4488 0	4 6 2000 5624 0	C2 5 2776 4048 0	5 5 2792 4040 0	82 6 2952 4304 0.27	5 5 2224 3484 0	A3 5 8 3032 4528 0	6 7 1192 3288 0	A1 5 6 1712 3360 0
Glomospira gordialia (L)         0 <td>Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerelia advena (L) (T)</td> <td>2C/week0 </td> <td>2C/week1 B1 4 5 3376 7032 0 0</td> <td>D4 4 1752 3808 0 0</td> <td>2C/week3 B3 5 6 2216 3592 0 0</td> <td>F6 5 7 1776 3400 0 0</td> <td>A2 7 8 3784 5304 0.21 0.45</td> <td>0 7 4544 5952 0.35 0.27</td> <td>C1 5 2884 4488 0 0</td> <td>4 6 2000 5624 0 0</td> <td>C2 5 2776 4048 0 0</td> <td>5 5 2792 4040 0 0</td> <td>82 6 2952 4304 0.27 6.32</td> <td>5 5 2224 3484 0 0</td> <td>A3 5 8 3032 4528 0 0</td> <td>6 7 1192 3288 0 0.24</td> <td>A1 5 6 1712 3360 0 0.24</td>	Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerelia advena (L) (T)	2C/week0 	2C/week1 B1 4 5 3376 7032 0 0	D4 4 1752 3808 0 0	2C/week3 B3 5 6 2216 3592 0 0	F6 5 7 1776 3400 0 0	A2 7 8 3784 5304 0.21 0.45	0 7 4544 5952 0.35 0.27	C1 5 2884 4488 0 0	4 6 2000 5624 0 0	C2 5 2776 4048 0 0	5 5 2792 4040 0 0	82 6 2952 4304 0.27 6.32	5 5 2224 3484 0 0	A3 5 8 3032 4528 0 0	6 7 1192 3288 0 0.24	A1 5 6 1712 3360 0 0.24
(D)         0	Plot#date Composite # Total # of species (L) flocc (T) Total # of individuals (L) flocc (T) Eggerelia advena (L) (T) Elphidium excavatum (L)	2C/week0 - 5 6 1248 3072 0 0 0 0	2C/week1 B1 4 5 3376 7032 0 0 0 0	D4 4 6 1752 3808 0 0 0	2C/week3 B3 5 6 2216 3592 0 0 0	F6 5 7 1776 3400 0 0 0	A2 7 8 3784 5304 0.21 0.45 0	6 7 4544 5952 0.35 0.27 0	C1 5 2884 4488 0 0 0	4 6 2000 5624 0 0 0	C2 5 2776 4048 0 0 0	5 5 2792 4040 0 0 0 0	B2 6 2952 4304 0.27 6.32 0	5 5 2224 3484 0 0 0 0	A3 5 6 3032 4528 0 0 0	6 7 1192 3288 0 0.24 0	A1 5 6 1712 3360 0 0.24 0
Inner Iliniga         (1)         3.85         0         0         1.44         0.9         1.48         1.08         1.82         0.8         0.86         0.57         2.71         1.08         0.53         0.67         0.47           Milliammin (usea (L)         11.5         4.03         13.2         7.22         15.8         3.76         3.77         1.61         3.74         1.99         2.77         2.57         3.53         3.23         1.41         1.46         1.87           (Ld)         11.1         11.8         44.8         15         14.3         21.6         11.67         11.5         11.4         14.9         13.5         16         4.88         15.9         0.34.5           (1)         23.7         10         23.9         6.45         18.6         15.6         4.93         13.2         14.5         11.8         13.3         4.88         12.1         4.28         14.2         14.8         13.2         14.5         11.8         13.3         4.88         12.1         4.28         14.2         14.2         14.2         14.2         14.2         14.2         14.2         14.2         14.2         14.2         14.2         14.2         14.2	Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) (T) Elphidium excavatum (L) (T)	2C/week0 - 5 6 1248 3072 0 0 0 0 0 0 0 0 0	2C/week1 B1 3376 7032 0 0 0 0 0	D4 4 6 1752 3808 0 0 0 0	2C/week3 B3 5 6 2216 3592 0 0 0 0 0	F6 5 7 1776 3400 0 0 0 0 0	A2 7 8 3784 5304 0.21 0.45 0 0	6 7 4544 5952 0.35 0.27 0 0	C1 5 2884 4488 0 0 0 0 0	4 8 2000 5624 0 0 0 0 0	C2 5 2776 4048 0 0 0 0	5 5 2792 4040 0 0 0 0 0 0	B2 6 2952 4304 0.27 6.32 0 0 0	5 5 2224 3484 0 0 0 0 0 0	A3 5 6 3032 4528 0 0 0 0	6 7 1192 3288 0 0.24 0 0 0.24	A1 5 6 1712 3380 0 0.24 0 0 0 0
(h)         2.88         0         0         3.79         3.76         3.77         1.81         3.74         1.99         2.77         2.67         3.63         3.23         1.41         1.46         1.97           Miliammina fusca         (L)         11.5         4.03         13.2         7.22         15.8         20.5         16.2         12.4         6         1.4.7         14.9         13.6         14.7         18.2         8.72         13.6           (D)         23.7         10         23.9         6.45         16.7         17.9         15.5         10.9         13.9         15         13.9         18.9         17.5         11.4         19.8           (T)         23.7         10         23.9         6.45         16.7         17.9         15.5         10.9         13.9         13.9         18.9         17.5         11.4         19.8           (T)         2.0         0.0         0	Plot#vdate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggetelia advena (L) Eghidium excavatum (L) Glomospira gordialis (L)	2C/week0 - 5 6 1248 3072 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week1 B1 4 5 3376 7032 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 1752 3808 0 0 0 0 0 0 0 0	2C/week3 B3 5 6 2216 3592 0 0 0 0 0 0 0 0 0 0	F6 5 7 1776 3400 0 0 0 0 0 0 0 0 0	A2 7 8 3784 5304 0.21 0.45 0 0 0	6 7 4544 5952 0.35 0.27 0 0 0 0 0	C1 5 2884 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 2000 5824 0 0 0 0 0 0 0	C2 5 2776 4048 0 0 0 0 0 0	5 5 2792 4040 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 2952 4304 0.27 6.32 0 0 0	5 5 2224 3484 0 0 0 0 0 0 0 0 0 0 0 0	A3 5 8 3032 4528 0 0 0 0 0 0 0	8 7 1192 3288 0 0.24 0 0.24 0 0 0 0	A1 5 6 1712 3380 0 0.24 0 0 0 0
Milliammina fusca         L)         11.5         4.03         13.2         7.22         15.8         20.5         16.2         12.4         6         14.7         14.9         13.8         14.7         18.2         8.72         13.6           (L0)         11.1         11.8         44.8         15         14.3         21.6         18.3         7.32         20         17.6         13.5         16         4.88         15.9         0         34.5           (L0)         23.7         10         23.9         6.45         16.7         17.9         15.5         10.0         12.0         14.5         11.8         13.3         4.88         12.1         4.28         14.5           (T0)         5.49         20.5         30         13.8         9.86         18.5         15.6         4.93         13.2         14.5         11.8         13.3         4.88         12.1         4.28         14.5           Or         0	Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) Egprella advena (L) (T) Elphidium excavatum (L) (T) Giomospira gordialis (L) (T)	2C/week0 - - - - - - - - - - - - - - - - - - -	2C/week1 B1 4 5 3376 7032 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 1752 3608 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week3 B3 5 6 2216 3592 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F6 5 7 1776 3400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 8 3784 5304 0.21 0.45 0 0 0 0 0 0 0 0 0	6 7 4544 5952 0.35 0.27 0 0 0 0 0 0 0 0 0 0	C1 5 2884 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 8 2000 5824 0 0 0 0 0 0 0 0 0 0	C2 5 2776 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 2792 4040 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 2952 4304 0.27 6.32 0 0 0 0 0 0	5 5 2224 3484 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 5 6 3032 4528 0 0 0 0 0 0 0 0 0 0 0 0	8 7 1192 3288 0 0.24 0 0 0 0 0 0	A1 5 6 1712 3380 0 0.24 0 0 0 0 0 0 0
(Ld)         11.1         11.8         44.8         15         14.3         21.8         16.3         7.32         20         17.6         13.5         16         4.86         15.9         0         34.5           (T)         23.7         10         23.9         6.45         16.7         17.9         15.5         10.9         13.6         15         13.9         18.9         17.5         11.4         19.8           (T)         23.7         10         23.9         6.45         11.6         13.5         15.6         19.3         13.6         15         13.8         18.8         12.1         4.26         14.5         14.3         48.8         12.1         4.26         14.5         11.8         13.3         48.8         12.1         4.26         14.5         11.6         13.5         11.8         13.3         48.8         12.1         4.26         14.3         0	Plot#vdate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerelia advena (L) Elphidium excavatum (L) (T) Giomospira gordialis (L) Inner linings (L)	2C/week0 - - 5 6 6 1248 3072 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week1 B1 3376 7032 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 1752 3608 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week3 B3 5 6 2216 3592 0 0 0 0 0 0 0 0 0 1.44	F6 5 7 1776 3400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 8 3784 5304 0.21 0.45 0 0 0 0 0 0 0 0 0 0	6 7 4544 5952 0.35 0.27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 2884 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 2000 5624 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 2776 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 2792 4040 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 57	B2 6 2952 4304 0.27 6.32 0 0 0 0 0 0 0 0 0	5 5 2224 3484 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 5 6 3032 4528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 53	8 7 1192 3288 0 0.24 0 0 0 0 0 0 0 0 0 0 0.87	A1 5 6 1712 3380 0 0.24 0 0 0 0 0 0 0 0 0 0
(1)         23.7         10         23.9         6.45         16.7         17.9         16.5         10.9         12.9         13.6         15         13.9         18.9         17.5         11.4         19.8           (10)         5.49         20.5         30         13.8         9.86         18.5         15.6         4.93         13.2         14.5         11.8         13.3         4.88         12.1         4.28         14.5           (1)         0	Plot#date Composite # Total # of species (L) /10cc (T) Eggerelia advena (L) Eggerelia advena (L) Eghidium excavatum (L) Eiphidium excavatum (L) (T) Giomospira gordialis (L) Inner linings (L)	2C/week0 - 5 6 1248 3072 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week1 B1 3376 7032 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 1752 3608 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week3 B3 5 6 2216 3592 0 0 0 0 0 0 0 0 0 1.44 3.79	F6 5 7 1776 3400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 8 3784 5304 0.21 0.45 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 4544 5952 0.35 0.27 0 0 0 0 0 0 0 0 0 1.08 1.81	C1 5 2884 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 2000 5624 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 2776 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 2792 4040 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 6 2952 4304 0.27 6.32 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 2224 3464 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 5 6 3032 4528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1.41	8 7 1192 3288 0 0.24 0 0 0 0 0 0 0 0 0 0 1.46	A1 5 6 1712 3380 0 0.24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
(Td)         5.49         20.5         30         13.8         9.86         18.5         15.6         4.93         13.2         14.5         11.8         13.3         4.88         12.1         4.28         14.5           Perudo.limetis         (L)         0<	Plot#date Composite # Total # of species (L) /10cc (T) Eggerella advena (L) Eggerella advena (L) (T) Ephidium excavatum (L) (T) Giomospira gordialis (L) (T) Inner linings (L) (T) Milliammina fusca (L)	2C/week0 - - - - - - - - - - - - - - - - - - -	2C/week1 B1 4 5 3376 7032 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 8 1752 3808 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week3 B3 5 6 2216 3592 0 0 0 0 0 0 0 0 0 0 0 0 0	F6 5 7 1776 3400 0 0 0 0 0 0 0 0 0 0 9 3.76 15.8	A2 7 8 3784 5304 0.21 0.45 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 4544 5952 0.35 0.27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 2684 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 2000 5824 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 2776 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 2792 4040 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 6 2952 4304 0.27 6.32 0 0 0 0 0 0 0 0 0 0 0 0 13.53 13.6	5 5 2224 3484 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 5 6 3032 4528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1.53 1.41 18.2	8 7 1192 3288 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 6 1712 3380 0 0.24 0 0 0 0 0 0 0 0 0 0 0 1.07 13.6
Pseudo.limetis         (L)         0	Plot#vdate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerelia advena (L) Ephidium excavatum (L) (T) Giomospira gordialis (L) (T) miner linings (L) Milliammina fusca (L)	2C/week0 - 5 6 6 1248 3072 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week1 B1 4 5 3376 7032 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 1752 3808 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week3 B3 5 6 2216 3592 0 0 0 0 0 0 0 0 0 0 0 0 0	F6 5 7 1776 3400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 8 3784 5304 0.21 0.45 0 0 0 0 0 0 0 0 1.48 3.77 20.5 21.6	6 7 4544 5952 0.35 0.27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 2684 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 2000 5824 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 2776 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 2792 4040 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 6 2952 4304 0.27 6.32 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 2224 3484 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 5 6 3032 4528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1.41 18.2 15.9	8 7 1192 3288 0 0.24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 6 1712 3380 0 0.24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
(f)         0         0         0.22         0         0.24         0.3         0 <th< td=""><td>Plot#date Composite # Total # of species (L) /10cc (T) Eggerella advena (L) (T) Elphidium excavatum (L) (T) Elphidium excavatum (L) (T) Elphidium excavatum (L) (T) Inner linings (L) (L) Milliammina fusce (L) (T) (T)</td><td>2C/week0 - 5 6 6 1248 3072 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>2C/week1 B1 4 5 3376 7032 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>D4</td><td>2C/week3 B3 6 2216 3592 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>F6 5 7 1776 3400 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A2 7 8 3784 5304 0.21 0.45 0 0 0 0 0 0 0 0 1.48 3.77 20.5 21.6 17.9</td><td>6 7 4544 5952 0.35 0.27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>C1 5 5 2084 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>4 6 2000 5624 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>C2 5 5 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>5 5 2792 4040 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>B2 6 2052 4304 0.27 6.32 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>5 5 2224 3484 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A3 5 6 3032 4528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>8 7 1192 3288 0 0.24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A1 5 6 1712 3360 0 0.24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td></th<>	Plot#date Composite # Total # of species (L) /10cc (T) Eggerella advena (L) (T) Elphidium excavatum (L) (T) Elphidium excavatum (L) (T) Elphidium excavatum (L) (T) Inner linings (L) (L) Milliammina fusce (L) (T) (T)	2C/week0 - 5 6 6 1248 3072 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week1 B1 4 5 3376 7032 0 0 0 0 0 0 0 0 0 0 0 0 0	D4	2C/week3 B3 6 2216 3592 0 0 0 0 0 0 0 0 0 0 0 0 0	F6 5 7 1776 3400 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 8 3784 5304 0.21 0.45 0 0 0 0 0 0 0 0 1.48 3.77 20.5 21.6 17.9	6 7 4544 5952 0.35 0.27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 2084 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 2000 5624 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 2792 4040 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 2052 4304 0.27 6.32 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 2224 3484 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 5 6 3032 4528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 7 1192 3288 0 0.24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 6 1712 3360 0 0.24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Thecamoebians         (L)         0         0         0         0.21         0	Plot#vdate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerelia advena (L) Eggerelia advena (L) (T) Elphidium excavatum (L) (T) Elphidium excavatum (L) (T) Inner linings (L) (Ld) (T) (T) (T)	2C/week0 - 5 6 1248 3072 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week1 B1 4 5 3376 7032 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 1752 3808 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week3 B3 5 6 2216 3592 0 0 0 0 0 0 0 0 0 0 0 0 0	F6 5 7 1778 3400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 8 3764 5304 0.21 0.45 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 4544 5952 0.355 0.27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 2864 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 2000 5624 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 277e 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 2792 4040 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 6 29552 4304 0.27 6.32 0 0 0 0 0 0 0 0 0 0 0 0 13.8 13.9 11 14.9 11 14 14 14 14 14 14 14 14 14 14 14 14	5 5 2224 3464 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 5 6 3032 4528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 1192 3288 0 0 0.24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 6 1712 3380 0 0.24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
(f)         0         0.11         0.22         0         0.24         0.3         0	Plot#vidate           Composite #           Total # of species (L)           /10cc (T)           Total # of individuals (L)           /10cc (T)           Eggetelia advena (L)           Eggetelia advena (L)           Giomospira gordialis (L)           Inner linings (L)           Miliammina fusce (L)           (T)           Glomospira gordialis (L)           (T)           Miliammina fusce (L)           (T)           (Ld)           (T)           Pseudo limetis (L)	2C/week0 - 5 6 1248 3072 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week1 B1 4 5 3376 7032 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 1752 3008 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week3 B3 5 6 2216 3592 0 0 0 0 0 0 0 0 0 0 0 0 0	F6 5 7 1776 3400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 8 3784 5304 0.21 0.45 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 4544 5952 0.35 0.27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 2864 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 8 2000 5624 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 2776 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 2792 4040 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	82 6 9 2052 4304 0.27 6.322 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 2224 3484 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 5 6 3032 4528 0 0 0 0 0 0 0 0 0 0 0 0 0	8 7 1192 3288 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 6 1712 3380 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tephatrodia competimita (L)         0<	Plot#date Composite # Total # of species (L) /10cc (T) Eggerella advena (L) (T) Elphidium excavatum (L) (T) Elphidium excavatum (L) (T) Biomospira gordialis (L) (T) Milliammina fusce (L) (Cd) (Cd) (Td) Pseudo.limetis (L)	2C/week0 - 5 6 1248 3072 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week1 B1 4 5 3376 7032 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 1752 3808 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/wesk3 B3 5 6 2216 3592 0 0 0 0 0 0 0 0 0 0 0 0 0	F6 5 7 7 7 7 7 7 7 7 8 3400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 8 3764 5304 5304 0.21 0.45 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 4544 4544 5952 0.35 0.27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1.06 1.81 1.82 1.8.5 5.52 0.27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 2864 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 2000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	G2 5 5 2776 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 2792 2792 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 6 2052 4304 0.277 6.32 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 5 2224 3464 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 5 8 3032 4528 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 11922 3288 0 0 0.24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 6 1712 3380 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
(f)         0.26         0         0         0.22         0	Plot#vdate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggrefalla advena (L) (T) Ephidium excavatum (L) (T) Giomospira gordialis (L) (T) Milliammina fusce (L) (Ld) (Td) Pseudo.limetis (L) Thecamoebians (L)	2C/week0 - 5 6 1248 3072 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week1 B1 4 5 3376 7032 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 1752 3008 0 0 0 0 0 0 0 0 0 0 0 0 0	2Chresk3 B3 5 6 2216 3592 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F6         5           7         7           1776         3400           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           3.76         15.8           14.3         16.7           9.86         0           0.24         0	A2 7 8 3764 5304 0.211 0.415 0.045 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 4544 5952 0.35 0.27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 2864 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 2000 5524 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 2776 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 2792 4040 0 0 0 0 0 0 0 0 0 0 0 5 7 2 57 14.9 13.5 155 118 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 6 2952 4304 0.277 6.322 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 5 2224 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 5 8 3032 4528 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 11922 33288 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 6 1712 3380 0 0 0 0 0 0 0 0 0 0 0 0 0
Trocha.Inflata         (L)         0         9.95         19.8         4.69         12.8         8.03         6.16         10.3         18.4         17         6.88         3.25         6.12         2.04         7.38         14.5           (L0)         0         0         0         0         3.57         0<	Plot#/date           Composite #           Total # of species (L)           /10cc (T)           Total # of individuals (L)           /10cc (T)           Eggerella advena (L)           Eggerella advena (L)           (T)           Elphidium excavatum (L)           Biomospira gordialis (L)           Inner linings (L)           (T)           Miliammina fusca (L)           (T)           (Total for the special state)           (T)           Thecamoebians (L)	2C/week0 - 5 6 1248 3072 0 0 0 0 0 0 0 0 0 0 0 0 0	26/week1 B1 4 5 3376 7032 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 1752 3608 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week3 B3 5 6 2216 3592 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F6 5 7 1776 3400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 8 3784 5304 0.21 0.45 0 0 0 0 0 0 0 1.48 3.77 20.5 21.6 17.9 18.5 0.3 0.21 0.3	6 7 7 6 4544 4544 5952 0.35 0.27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 2884 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 2000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 2776 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 27922 200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 6 2952 2952 0.27 6.32 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 5 2224 2224 2244 0 0 0 0 0 0 0 0 0 0 0 0	A3 5 8 3032 4528 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 11922 3288 0 0.24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 6 1712 3380 0 0 0 0 0 0 0 0 0 0 0 0 0
(Ld)         0         0         0         3.57         0 </td <td>Plot#date Composite # Total # of species (L) /10cc (T) Eggerella advena (L) (T) Elphidium excavatum (L) (T) Elphidium excavatum (L) (T) Elphidium excavatum (L) (T) Inner linings (L) (Ld) (Ld) (Ld) (Td) Pseudo.limetis (L) (T) Thecamoebians (L) (T) Tiphytrocts comprimets (L)</td> <td>2C/week0 - 5 6 1248 3072 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>2C/week1 B1 4 5 3376 7032 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>D4 4 6 1752 3008 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>2C/week3 B3 6 2216 3592 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>P6 5 7 1776 3400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A2 7 8 3784 5304 0.211 0.45 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>0           7           7           7           0.35           0.35           0           0           0           0           1.08           1.01           1.02           1.03           1.04           1.05           1.05           0           0           0           0           0           0           0           0           0           0           0           0           0</td> <td>C1 5 5 2064 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>4 6 2000 5624 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>G2 5 5 2776 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>5 5 5 5 5 5 5 5 5 6 0 0 0 0 0 0 0 0 0 0</td> <td>B2 6 6 20552 0.27 6.322 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>5 5 5 5 5 5 5 5 5 5 6 7 8 8 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A3 5 8 3032 4528 00 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>6 7 7 3288 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A1 6 6 7 7 7 8 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7</td>	Plot#date Composite # Total # of species (L) /10cc (T) Eggerella advena (L) (T) Elphidium excavatum (L) (T) Elphidium excavatum (L) (T) Elphidium excavatum (L) (T) Inner linings (L) (Ld) (Ld) (Ld) (Td) Pseudo.limetis (L) (T) Thecamoebians (L) (T) Tiphytrocts comprimets (L)	2C/week0 - 5 6 1248 3072 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week1 B1 4 5 3376 7032 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 1752 3008 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week3 B3 6 2216 3592 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P6 5 7 1776 3400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 8 3784 5304 0.211 0.45 0 0 0 0 0 0 0 0 0 0 0 0 0	0           7           7           7           0.35           0.35           0           0           0           0           1.08           1.01           1.02           1.03           1.04           1.05           1.05           0           0           0           0           0           0           0           0           0           0           0           0           0	C1 5 5 2064 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 2000 5624 0 0 0 0 0 0 0 0 0 0 0 0 0	G2 5 5 2776 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 5 5 5 5 5 5 5 6 0 0 0 0 0 0 0 0 0 0	B2 6 6 20552 0.27 6.322 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 5 5 5 5 5 5 5 5 6 7 8 8 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 5 8 3032 4528 00 0 0 0 0 0 0 0 0 0 0 0 0	6 7 7 3288 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 6 6 7 7 7 8 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7
(T)         0         7.05         25.1         3.34         8.71         6.49         5.24         7.13         11.1         12.6         5.94         2.79         4.16         2.47         7.3         8.57           (T0)         0         0         0         2.7         0	Plot#vdate Composite # Total # of species (L) /10cc (T) Fotal # of individuals (L) /10cc (T) Eggetella advena (L) (T) Ephidium excavatum (L) (T) Giomospira gordialis (L) (T) Milliammina fusca (L) (Ld) (Td) Pseudo.limetis (L) Thecamoebians (L) (T) Tphylrochs comprimats (L) (T)	2CAvenk9 	26/week1 B1 4 5 3376 7032 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 1752 3808 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/wesk3 B3 5 6 2216 3592 0 0 0 0 0 0 0 0 0 0 0 0 0	F8 5 7 1778 3400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 8 3784 5304 0.21 0.45 0 0 0 0 0 0 0 0 0 0 0 0 0	0           7           7           7           0.35           0.35           0.07           0	C1 5 5 2884 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 2000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 5 5 5 5 5 5 7 7 7 7 7 7 7 7 7 7 7 7	B2         6           0         6           2952         2952           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           13.9         13.8           13.9         0           0         0           0         0           0         0           0         0           0         0	5 5 5 5 5 5 5 5 5 5 6 7 6 7 6 7 6 7 7 7 7	A3 5 6 8 3032 4528 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 11922 3288 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 6 1712 33800 0 0 0 0 0 0 0 0 0 0 0 0
(Td)         0         0         0         2.7         0 <td>Plot#/date           Composite #           Composite for species           Total # of individuals (L)           /10cc           (T)           Eggerella advena           (L)           Eggerella advena           (L)           Eggerella advena           (L)           Biphidium excavatum (L)           (I)           Giomospira gordialis (L)           Inner linings           (L)           (I)           (I)</td> <td>2C/week9 - 5 6 8 12484 3072 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>2C/week1 B1 4 5 3376 7032 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>D4 4 6 1752 3608 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>2C/week3 B3 5 6 2216 3592 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>F8 5 7 1776 3400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A2 8 3764 5304 0.21 0.45 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>e           7           7           5952           0.35           0.00           0</td> <td>C1 5 5 2084 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>4 6 2000 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>C2 5 5 277e 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>5 5 5 5 5 5 5 5 6 6 8 8 6 8 8 5 5 5 5 5</td> <td>B2         6           0         0           20552         0           0.27         0.32           0         0           0         0           0         0           13.6         13.6           13.9         13.9           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0</td> <td>5 5 5 5 5 5 5 5 5 7 7 7 8 8 8 7 8 7 8 7</td> <td>A3 6 6 3032 4528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>6 77 1192 3288 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A1 6 6 7 33800 0 0 0 0 0 0 0 0 0 0 0 0</td>	Plot#/date           Composite #           Composite for species           Total # of individuals (L)           /10cc           (T)           Eggerella advena           (L)           Eggerella advena           (L)           Eggerella advena           (L)           Biphidium excavatum (L)           (I)           Giomospira gordialis (L)           Inner linings           (L)           (I)	2C/week9 - 5 6 8 12484 3072 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week1 B1 4 5 3376 7032 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 1752 3608 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week3 B3 5 6 2216 3592 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F8 5 7 1776 3400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 8 3764 5304 0.21 0.45 0 0 0 0 0 0 0 0 0 0 0 0 0	e           7           7           5952           0.35           0.00           0	C1 5 5 2084 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 2000 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 277e 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 5 5 5 5 5 5 6 6 8 8 6 8 8 5 5 5 5 5	B2         6           0         0           20552         0           0.27         0.32           0         0           0         0           0         0           13.6         13.6           13.9         13.9           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	5 5 5 5 5 5 5 5 5 7 7 7 8 8 8 7 8 7 8 7	A3 6 6 3032 4528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 77 1192 3288 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 6 6 7 33800 0 0 0 0 0 0 0 0 0 0 0 0
Trocha.macrescens (L)         0	Plot#vdate Composite # Total # of species (L) /10cc (T) Eggenelia advena (L) /10cd (T) Eggenelia advena (L) (T) Elphidium excavatum (L) (T) Giomospira gordialis (L) (T) Inner linings (L) (L) (L) Milliammina fusce (L) (T) Pseudo.limetis (L) (T) Thecamoebians (L) (T) Trobha.Inflata (L) (Ld)	2CAvenk9 - 5 6 3072 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week1 B1 4 5 3376 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 3608 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week3 B3 5 6 2216 3592 0 0 0 0 0 0 0 0 0 0 0 0 0	F6 5 7 1778 3400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 8 3784 5304 0.21 0.45 0 0 0 0 0 0 0 0 0 0 0 0 0	e 77 4544 5952 0.353 0.27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 2884 4468 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 2000 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 277e 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 7920 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2         6           0         6           2952         2952           0.27         6.32           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	5 5 5 5 5 5 5 5 5 5 6 7 6 7 6 7 6 7 6 7	A3 5 8 3032 4528 00 0 0 0 0 0 0 0 0 0 0 0 0	6 7 11922 3288 0.24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 6 7 33800 0 0 0 0 0 0 0 0 0 0 0 0
(1)         0	Plot#vidate           Composite #           Composite #           Total # of species (L)           /10cc (T)           Total # of individuals (L)           /10cc (T)           Eggerelia advena (L)           Eggerelia advena (L)           Biomospira gordialis (L)           (T)           Giomospira gordialis (L)           (T)           Miliammina fusca (L)           (Td)           (Td)           Pseudo.limetis (L)           (T)           Tpistroba comprimet (L)           (Td)           (Total # of the comprimet (L)           (Td)           (Total # of the comprimet (L)           (Total # of the comprimet (L)           (Td)           (Total # of the comprimet (L)           (Td)           (Td)           (Td)           (Td)           (Td)	2C/week9 	Increase	D4 4 6 1752 3608 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week3 B3 5 6 2216 3592 0 0 0 0 0 0 0 0 0 0 0 0 0	F8 5 7 1778 3400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 7 8 3764 5304 0.21 0.45 0 0 0 0 0 0 0 0 0 0 0 0 0	e 7 4544 5952 0.35 0.27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 2084 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 2000 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 277e 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 5 5 5 5 5 5 6 0 0 0 0 0 0 0 0 0 0 0	B2         6           0         0           2052         0           0         0           0         0           0         0           0         0           0         0           0         0           13.63         13.6           16         13.9           13.3         0           0         0	5 5 5 5 5 5 5 5 5 6 7 8 8 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 6 6 6 6 6 7 6 7 6 6 6 6 6 6 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7	6 7 1192 3288 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7
Trocha.mac.polysitoma         (L)         72.4         85.1         65.8         84.1         70.3         66.6         75.7         75         76.8         66.3         75.4         79.1         77         76.5         81.9         70.6           (L0)         0         0.28         0         1.72         0         0.32         0         0         0.52         0         1.14         0         0         0.34         0         1.99           (T)         61.5         79.3         57.9         75.1         67.1         64.4         74.7         68.3         71.4         0         0         0.34         0         1.99           (Td)         0         0.14         0         2.08         0.7         0.47         0         0         0.4         0         0.84         0         0         0.24         0         1.15           (To         0         0.45         2.96         0.53         1.21         0         1.15         2.29         1.08         1.08         2.11         0.87         0.93           (To         5.99         3.53         5.54         11.1         3.29         6.33         2.69         9.09         2.84 <td>Plot#date Composite # Total # of species (L) /10cc (T) Eggerelia advena (L) (T) Eggerelia advena (L) (T) Ephidium excavatum (L) (T) Ephidium excavatum (L) (T) Ephidium excavatum (L) (T) Ephidium excavatum (L) (T) Inner linings (L) (T) (T) Pseudo.limetis (L) (T) Thecamoeblans (L) (T) Trobhs.inflata (L) (Ld) (T) (T)</td> <td>2C/week9 - 5 6 9 12484 3072 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>2C/week1 B1 4 5 3376 7032 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>D4 4 6 1752 3608 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>2C/week3 B3 5 6 2216 3592 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>F6           5           7           1776           3400           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0.24           0           0           0.24           0           0.24           0           0.24           0           0.24           0           0.24           0           0.24           0           0.24           0           0.24           0           0.24           0           0           0.3.57           8.71           2.7</td> <td>A2 8 3784 5304 0.21 0.45 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>e 7 7 4544 5952 0.355 0.27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>C1 5 5 2884 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>4 6 2000 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>C2 5 5 277e 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>5 5 27922 00 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>B2         6           0         6           20552         2052           0.27         6.32           0         0</td> <td>5 5 5 5 5 5 5 5 5 5 5 6 7 6 7 6 7 6 7 7 7 7</td> <td>A3 6 6 6 3 3 3 3 2 4 5 8 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>e 7 7 1192 3288 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A1 6 6 6 7 33800 0 0 0 0 0 0 0 0 0 0 0 0</td>	Plot#date Composite # Total # of species (L) /10cc (T) Eggerelia advena (L) (T) Eggerelia advena (L) (T) Ephidium excavatum (L) (T) Ephidium excavatum (L) (T) Ephidium excavatum (L) (T) Ephidium excavatum (L) (T) Inner linings (L) (T) (T) Pseudo.limetis (L) (T) Thecamoeblans (L) (T) Trobhs.inflata (L) (Ld) (T) (T)	2C/week9 - 5 6 9 12484 3072 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week1 B1 4 5 3376 7032 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 1752 3608 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week3 B3 5 6 2216 3592 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F6           5           7           1776           3400           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0.24           0           0           0.24           0           0.24           0           0.24           0           0.24           0           0.24           0           0.24           0           0.24           0           0.24           0           0.24           0           0           0.3.57           8.71           2.7	A2 8 3784 5304 0.21 0.45 0 0 0 0 0 0 0 0 0 0 0 0 0	e 7 7 4544 5952 0.355 0.27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 2884 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 2000 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 277e 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 27922 00 0 0 0 0 0 0 0 0 0 0 0 0	B2         6           0         6           20552         2052           0.27         6.32           0         0	5 5 5 5 5 5 5 5 5 5 5 6 7 6 7 6 7 6 7 7 7 7	A3 6 6 6 3 3 3 3 2 4 5 8 0 0 0 0 0 0 0 0 0 0 0 0 0	e 7 7 1192 3288 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 6 6 6 7 33800 0 0 0 0 0 0 0 0 0 0 0 0
(Lg)         0         0.28         0         1.72         0         0.32         0         0.52         0         1.14         0         0         0.34         0         1.99           (1)         61.5         79.3         57.9         75.1         67.1         64.4         74.7         68.3         71         62.8         70.7         72.7         67.9         73.3         73.7         61.9           (Td)         0         0.14         0         0.86         0.7         0.47         0         0         0.44         0         0.24         0         1.15           Trocha.ochracea         (L)         2.56         0.95         1.37         2.53         0.45         2.96         0.53         1.21         0         1.15         2.29         1.08         2.11         0.07         0.93         0.93         0.93         0.93         2.64         0.16         0.32         5.77         5.12         5.35         7.86           (1)         5.99         3.53         5.54         11.1         3.29         6.33         2.69         9.09         2.84         6.1         5.74         6.32         5.77         5.12         5.35         7.86 <td>Plot#date Composite # Total # of species (L) /10cc (T) Eggrefal advena (L) Eggrefal advena (L) (T) Ephidium excavatum (L) (T) Biomospira gordialis (L) (T) Milliammina fusce (L) (Ld) (Total (L) Thecamoebians (L) (Totha.inflata (L) (T) Trocha.inflata (L) (T) Trocha.macrescens (L)</td> <td>2C/week9 - 5 6 6 7 2 6 7 7 7 7 7 7 7 7 7 7 7 7 7</td> <td>Image: 20th state         Image: 20th state          Image: 20th state</td> <td>D4 4 6 1752 3608 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>2C/week3 B3 5 6 2216 3592 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>F8 5 7 1778 3400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A2 8 3784 5304 0.21 0.45 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>e 77 4544 59952 0.355 0.27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>C1 5 5 2884 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>4 6 2000 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>C2 5 5 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>5 5 79202 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>B2 6 6 2952 2952 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>5 5 5 5 5 5 5 5 6 7 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A3 5 8 3 3 3 3 3 3 3 5 9 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>6 7 11922 3288 0 0.24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A1 5 6 1712 33800 0 0 0 0 0 0 0 0 0 0 0 0</td>	Plot#date Composite # Total # of species (L) /10cc (T) Eggrefal advena (L) Eggrefal advena (L) (T) Ephidium excavatum (L) (T) Biomospira gordialis (L) (T) Milliammina fusce (L) (Ld) (Total (L) Thecamoebians (L) (Totha.inflata (L) (T) Trocha.inflata (L) (T) Trocha.macrescens (L)	2C/week9 - 5 6 6 7 2 6 7 7 7 7 7 7 7 7 7 7 7 7 7	Image: 20th state          Image: 20th state	D4 4 6 1752 3608 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week3 B3 5 6 2216 3592 0 0 0 0 0 0 0 0 0 0 0 0 0	F8 5 7 1778 3400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 8 3784 5304 0.21 0.45 0 0 0 0 0 0 0 0 0 0 0 0 0	e 77 4544 59952 0.355 0.27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 2884 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 2000 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 79202 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 6 2952 2952 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 5 5 5 5 5 5 6 7 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 5 8 3 3 3 3 3 3 3 5 9 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 11922 3288 0 0.24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 6 1712 33800 0 0 0 0 0 0 0 0 0 0 0 0
(T)         61.5         79.3         57.9         75.1         67.1         64.4         74.7         68.3         71         62.8         70.7         72.7         67.9         73.3         73.7         61.9           (Td)         0         0.14         0         2.08         0.7         0.47         0         0         0.44         0         0         0.24         0         1.15           Irocha.ochracea         (L)         2.56         0.95         1.37         2.53         0.45         2.90         0.63         1.21         0         1.15         2.29         1.08         2.11         0.07         0.93           (T)         5.99         3.53         5.54         11.1         3.29         6.33         2.69         9.09         2.84         8.1         5.77         6.32         5.77         5.12         5.35         7.88	Plot#date Composite # Total # of species (L) /10cc (T) Eggerella advena (L) Eggerella advena (L) Eggerella advena (L) (T) Elphidium excavatum (L) (T) Giomospira gordialis (L) (T) Milliammina fusca (L) (T) (Totalmetia (L) (Ld) (T) Thecamoebians (L) (T) Trobha.inflata (L) (T) Trobha.macrescens (L) (T)	2C/week9 - 5 6 7 3072 0 0 0 0 0 0 0 0 0 0 0 0 0	26/week1 B1 4 5 3376 7032 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 3608 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week3 B3 5 6 2216 3592 0 0 0 0 0 0 0 0 0 0 0 0 0	F8           5           7           1776           3400           18.7           18.7           18.7           12.6           3.57           8.711           2.7           0           0	A2 8 3764 5304 0.21 0.45 0 0 0 0 0 0 0 0 0 0 0 0 0	e           7           7           0.35           0.35           0.05           0           0           0           0           0           1.61           1.81           15.5           15.6           0	C1 5 5 2084 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 2000 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 277e 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 5 5 5 5 5 5 6 0 0 0 0 0 0 0 0 0 0 0	B2         6           0         0           20552         0           0.277         0.327           0.00         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	5 5 5 5 5 5 5 5 5 5 6 7 8 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 6 6 6 6 6 7 6 7 6 7 6 7 6 6 7 7 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7	6 7 7 1192 3288 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 6 6 6 7 33800 0 0 0 0 0 0 0 0 0 0 0 0
(Td)         0         0.14         0         2.08         0.7         0.47         0         0.4         0         0.84         0         0         0.24         0         1.15           Irocha.ochracea         (L)         2.56         0.95         1.37         2.53         0.45         2.96         0.53         1.21         0         1.15         2.29         1.08         2.11         0.87         0.93           (T)         5.99         3.53         5.54         11.1         3.29         6.33         2.69         9.09         2.84         6.1         5.77         6.12         5.35         7.86	Plot#vdate Composite # Total # of species (L) /10cc (T) Eggerelia advena (L) Eggerelia advena (L) Eggerelia advena (L) (T) Elphidium excavatum (L) (T) Elphidium excavatum (L) (T) Elphidium excavatum (L) (T) Inner linings (L) (Ld) (T) Inner linings (L) (Ld) (T) Thecamoebians (L) (T) Trocha.Inflata (L) (Ld) (T) Trocha.macrescens (L) (T) Trocha.macrescens (L) (T) Trocha.macrescens (L) (T) Trocha.macrescens (L) (T) Trocha.macrescens (L)	22CAvenk9 - 5 6 3072 0 0 0 0 0 0 0 0 0 0 0 0 0	26/week1 B1 4 5 3376 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 3608 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week3 B3 5 6 3592 0 0 0 0 0 0 0 0 0 0 0 0 0	F6 5 7 7 778 3400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 8 3784 5304 0.21 0.45 0 0 0 0 0 0 0 0 0 0 0 0 0	e 77 4544 5952 0.353 0.27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 2884 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 2000 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 277e 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 5 777 14.7 17.6 13.6 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 7920 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 6 6 6 6 6 6 22552 02552 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 5 5 5 5 5 5 5 5 5 6 7 7 7 7 7 7 7 7	A3 5 6 8 3032 4528 0 0 0 0 0 0 0 0 0 0 0 0 0	6 77 11922 3288 0.24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 6 6 6 7 33800 0 0 0 0 0 0 0 0 0 0 0 0
Trocha.ochracea (L) 2.56 0.95 1.37 2.53 0.45 2.96 0.53 1.21 0 1.15 2.26 1.08 1.08 2.11 0.97 0.93 (T) 5.99 3.53 5.54 11.1 3.29 6.33 2.69 9.09 2.84 6.1 5.74 6.32 5.77 5.12 5.35 7.66	Plot#date Composite # Total # of species (L) /10cc (T) Fotal # of individuals (L) /10cc (T) Eggerelia advena (L) Eggerelia advena (L) (T) Biomospira gordialis (L) (T) Giomospira gordialis (L) (T) Milliammina fusca (L) (T) Milliammina fusca (L) (T) (T) Pseudo.limetis (L) (T) Trocha.macrescens (L) (To Trocha.macrescens (L) (T) Trocha.macrescens (L) (T)	2C/week9 - 5 6 7 7 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7	Instruction         Instruction           26/week1         81           4         5           3376         0           0         0	D4 4 6 1752 3608 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week3 B3 5 6 2216 3592 0 0 0 0 0 0 0 0 0 0 0 0 0	F8 577778 34000000000000000000000000000000000000	A2 7 8 3764 5304 0.21 0.45 0 0 0 0 0 0 0 0 0 0 0 0 0	e 7 4544 5952 0.355 0.27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 2084 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 2000 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 277e 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 5 5 5 5 5 5 6 6 6 6 7 5 7 6 6 7 5 7 6 7 5 4 9 7 5 4 7 5 4 7 5 4 7 5 4 7 5 4 7 5 7 5 7	B2 6 6 6 6 6 6 6 6 7 9 6 2 2 5 5 2 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 5 5 5 5 5 5 5 5 7 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 6 6 6 6 6 7 6 6 6 6 6 6 6 6 6 6 6 6 6	6 7 11922 3288 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 6 6 6 7 7 6 6 7 6 6 7 6 6 6 7 6 6 7 7 6 7 7 6 6 7 7 6 7 7 6 7 7 8 7 8 7 8 7 8 7 8 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9
(T) 5,99 3.53 5.54 11.1 3.29 6.33 2.69 9.09 2.84 8.1 5.74 6.32 5.77 5.12 5.35 7.86	Plot#/date           Composite #           Composite for species (L)           /10cc (T)           Total # of individuals (L)           /10cc (T)           Eggerelia advena (L)           Eggerelia advena (L)           Eggerelia advena (L)           Biphidium excavatum (L)           Biphidium excavatum (L)           Giomospira gordialis (L)           Inner linings (L)           Milliammina fusca (L)           (T)           Pseudo.limetis (L)           Thecarmoebians (L)           (T)           Trobha.inflata (L)           (To)           (To)           (To)           Trobha.macrescens (L)           (T)           Trobha.macrescens (L)           (To)           (To) <t< td=""><td>2C/week9 - 5 6 12484 3072 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>2C/week1 B1 4 5 3376 7032 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>D4 4 6 3608 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>2C/week3 B3 5 6 2216 3592 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>F6           5           7           1776           3400           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           11           11           11           12           0           0           0           0           0           0           0           0           0           0           0           0           0</td><td>A2 8 3764 5304 0.21 0.45 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>e 7 7 4544 5952 0.355 0.27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>C1 5 5 2884 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>4 6 2000 0 0 0 0 0 0 0 0 0 0 0 0</td><td>C2 5 5 277e 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 14.7 13.6 13.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>5 5 7 27922 4040 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>B2         6           0         0           0.275         0.27           0.32         0           0         <t< td=""><td>5 5 5 5 5 5 5 5 5 5 5 5 6 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A3 6 6 6 3 3 3 3 3 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 6 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>e 7 7 1192 3288 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A1 6 6 6 7 33800 0 0 0 0 0 0 0 0 0 0 0 0</td></t<></td></t<>	2C/week9 - 5 6 12484 3072 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week1 B1 4 5 3376 7032 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 6 3608 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week3 B3 5 6 2216 3592 0 0 0 0 0 0 0 0 0 0 0 0 0	F6           5           7           1776           3400           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           11           11           11           12           0           0           0           0           0           0           0           0           0           0           0           0           0	A2 8 3764 5304 0.21 0.45 0 0 0 0 0 0 0 0 0 0 0 0 0	e 7 7 4544 5952 0.355 0.27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 2884 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 2000 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 277e 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 14.7 13.6 13.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 7 27922 4040 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2         6           0         0           0.275         0.27           0.32         0           0 <t< td=""><td>5 5 5 5 5 5 5 5 5 5 5 5 6 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A3 6 6 6 3 3 3 3 3 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 6 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>e 7 7 1192 3288 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A1 6 6 6 7 33800 0 0 0 0 0 0 0 0 0 0 0 0</td></t<>	5 5 5 5 5 5 5 5 5 5 5 5 6 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 6 6 6 3 3 3 3 3 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 6 0 0 0 0 0 0 0 0 0 0 0 0 0	e 7 7 1192 3288 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 6 6 6 7 33800 0 0 0 0 0 0 0 0 0 0 0 0
	Plot#date Composite # Total # of species (L) /10cc (T) Eggrefila advena (L) Eggrefila advena (L) (T) Eggrefila advena (L) (T) Ephidium excavatum (L) (T) Giomospira gordialis (L) (T) Giomospira gordialis (L) (T) Giomospira gordialis (L) (T) Giomospira gordialis (L) (T) Giomospira gordialis (L) (T) Giomospira gordialis (L) (T) Pseudo.limetis (L) (T) Thecamoebians (L) (T) Trocha.inflata (L) (T) Trocha.macrescens (L) (C) (T) Trocha.macrescens (L) (L) (T) Trocha.macrescens (L) (L) (T) (T) Trocha.macrescens (L) (L) (T) (T) (L) (T) (L) (L) (T) (L) (L) (T) (L) (L) (L) (L) (L) (L) (L) (L) (L) (L	2CAvenk9 - 5 6 12484 3072 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Image: 20th region         Image: 20th reg         Image: 20th region         Image: 20t	D4 4 6 1752 3808 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week3 B3 5 6 2216 3592 0 0 0 0 0 0 0 0 0 0 0 0 0	F6           5           7           1776           3400           0           0           0           0           0           0           0           0           0           0           0           0           0           0.24           0           0.24           0           0.24           0           0.24           0           0.24           0           0.24           0           0.24           0           0.24           0           0.24           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0      0     0	A2 7 8 3784 5304 0.21 0.45 0 0 0 0 0 0 0 0 0 0 0 0 0	e 7 4544 5952 0.353 0.27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 2884 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 2000 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 277e 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 79292 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2           0         0	5 5 5 5 5 5 5 5 5 5 6 7 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 5 8 3032 4528 00 0 0 0 0 0 0 0 0 0 0 0 0	6 7 11922 3288 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 6 6 6 7 33800 0 0 0 0 0 0 0 0 0 0 0 0
Ostracods (T#) 48 56 40 240 24 16 32 40 32 0 0 16 8 8 0 0	Plot#/date           Composite #           Composite #           Total # of species (L)           /10cc (T)           Eggerelia advena (L)           Eggerelia advena (L)           Eggerelia advena (L)           Biphdium excavatum (L)           Biphdium excavatum (L)           (T)           Biomospira gordialis (L)           Inner linings (L)           (T)           Millammina fusce (L)           (Td)           (Td)           Pseudo limetis (L)           Trobha.nacrescens (L)           (Td)           Trobha.macrescens (L)           (Td)           Trobha.macrescens (L)           (Td)           Trobha.contracea (L)	2C/week9 - 5 6 7 5 6 7 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7	Increase	D4 4 6 1752 3608 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week3 B3 5 6 2216 3592 0 0 0 0 0 0 0 0 0 0 0 0 0	F8           5           7           1778           3400           12.6           3.57           8.71           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0	A2 8 3 3 3 3 3 3 3 7 4 3 3 7 4 3 3 7 4 3 5 3 4 4 5 3 4 4 5 3 4 5 3 4 5 3 4 5 3 4 5 0 4 5 0 4 5 0 4 5 0 0 0 0 0 0 0 0 0 0 0 0 0	e 7 4544 5952 0.35 0.27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 2084 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 2000 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 277e 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 5 5 5 5 5 5 6 6 6 7 5 7 6 7 7 5 7 7 6 7 8 7 8 7 7 7 7 7 7 7 7 7 7 7 7 7	B2         6           0         0           20552         0           0.277         0.327           0.00         0           1.08	5 5 5 5 5 5 5 5 5 5 7 7 0 0 0 0 0 0 0 0	A3         5           8         6           9         8           00         0      00         0           00	6 7 1192 3288 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 6 6 6 7 33800 0 0 0 0 0 0 0 0 0 0 0 0
	Plot#/date           Composite #           Composite #           Total # of species (L)           /10cc (T)           Eggerelia advena (L)           Eggerelia advena (L)           Eggerelia advena (L)           Biphdium excavatum (L)           Biphdium excavatum (L)           (T)           Biomospira gordialis (L)           Inner linings (L)           (T)           Millammina fusce (L)           (Td)           (Td)           Pseudo limetis (L)           Trobha.nacrescens (L)           (Td)           Trobha.macrescens (L)           (Td)           Trobha.macrescens (L)           (Td)           Trobha.contracea (L)	2C/week9 - 5 6 7 5 6 7 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7	Increase	D4 4 6 1752 3608 0 0 0 0 0 0 0 0 0 0 0 0 0	2C/week3 B3 5 6 2216 3592 0 0 0 0 0 0 0 0 0 0 0 0 0	F8           5           7           1778           3400           12.6           3.57           8.71           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0	A2 7 8 3764 5304 0.21 0.45 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0	e 7 4544 5952 0.35 0.27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 2084 4488 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 2000 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 277e 4048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 79292 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2         6           0         0           20552         0           0.277         0.327           0.00         0           1.08	5 5 5 5 5 5 5 5 5 5 7 5 7 7 0 0 0 0 0 0	A3 6 6 6 3 3 3 3 3 3 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 6 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 11922 3288 0 0.24 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 6 6 6 7 6 6 7 6 6 6 7 6 6 6 7 6 6 6 7 7 6 6 7 7 8 6 7 8 6 7 8 7 8 6 7 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9

A-9

Table 4

**Table A-5**Table of results for foraminiferal occurrences for Treatment C (Oiled plot<br/>with no treatments; natural attenuation), Plot 3 and for Treatment D (Oiled<br/>plot with nutrient enrichment), Plot 1, for weeks 0-22. Same format as<br/>Table A-1.

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TREATMENT 3C		Oiled plot	without tre	atments (n	atural atter	uation)		1			1	T					
Plot#date			3C/week1	latinentes (in	3C/week3	ladon	3C/week5		3C/weeks		3C/week10		SC/week14		3C/week18		3C/week22
Composite #		•	B1	D4	B3	F6	A2	F4	C1	E5	C2	E4	B2	F5	A3	D6	A1
Total # of species	L)	5	3		7	6			6	3	A	5	4	3	5	5	4
/10cc	(T)	5	9	5	7	8	6		7	7	4	5	6	6		5	5
Total # of individu	als (L)	1484	1072	2944	2432	3664	2024	2672	4144	2320	3112	2328				3264	432
/10cc	Ð	3808	5120	6496	3168	5084	3040	3768	5920	4848	4084	3178			5504	5832	3768
Eggerella advena	(L)	0	0	0	0	0									0		
	Φ	0	0	0	0	0	0	0	0	0	0	0	0.48	0.29	0	0	0
Elphidium excavatur	m (L)	0	0	0	0	0	0	0	0	0	0	0			0	0	0
	(T)	0							0	0	0	0	0	0	0	0	0
Glomospira gordia		0	0		0								0				0
	0	0			0											and the second s	0
Inner linings	(L)	0.55			0.99												1.85
	D_	0.42	0			0.95				0						0.55	0.42
Millammina fusca		14.2			5.59					8.97						9.58	7.41
	(Ld)	0	10		5.88												50
	<u></u>	32.4			5.05			6.79	25.5	8.78					12.4	11	37.6
D I I I	(Td)	0.65			5					7.84			11.4		3.53	2.5	1.13
Pseudo.Ilmetis	<u>(L)</u>		0		0					0					0	0	
Thoogmoshiana	0	0			0												
Thecamoeblans	<u>(L)</u>	0			0.66					0.69							
Tiphotroche comprime	<u>()</u>	0			0.78					0.89							
- Provident compress	- ( <u>)</u>	0															
Trocha.inflata	(L)	0	23.1	29.3													18.5
	(Ld)	0			0					0					0	0	
	D	Ő						-									
	(Td)	0	C	0	0	0	0	0	0	0	0	0	0		0	0	0
Trocha.macresce	ns (L)	0									0	0	0	0	0		
	Ð	0			0												
Trocha.mac.polystoma	(L)	67.2			83.9												72.2
	(Ld)	0			1.18					0							
	_ <u></u>	55			83.6												38.6
	(Td)	0			1.21							2.82					
Trocha.ochracea	<u>(L)</u>	0.55			0.66	0.44		0.9									
	0	2.52	1.72	1.11	2.02	1.11	3.18	1.91	1.08	1.03	0.98	4.28	1.92	1.17	2.91	3.16	3.18
													+				
Ostracods	(1#)	192	48	128	18	24	24	104	0	24	0	0	0 0	0 0	0	0	8
TREATMENT 1D			1	1	1							-					
TREATMENT ID			with nutria	ant enrichm	ent			1					1			1	
Plot#date				ent enrichm			1Dimetris		1Downake		1Dhunsh10		1Dhungk14		1Dówask18		1D/week22
Plot#date Composite #			With nutrie 1D/week1 B1		ent 1D/week3 B3	F6	1D/week5	F4	1D/week8 C1	ES	1D/week10 C2	E4	1D/week14 B2	Fő	1D/week18 A3	D6	1D/week22 A1
Composite #			1D/week1	D4	1D/week3	F6	A2			E5 6	C2		B2	F6 5	A3		
		1D/week0	1D/week1 B1	D4	1D/week3 B3	6	A2 5	4	C1		C2	5	B2 5	5 5	A3 5	4	A1 5
Composite # Total # of species	ц П	1D/week0 - 5	1D/week1 B1 4	D4 5 7	1D/week3 B3	8	A2 5	4	C1 5	7	C2 6	5	B2 5 6	5 5	A3 5	4 6 794	A1 5 2376
Composite # Total # of species /10cc Total # of individu /10cc	(L) (T) uais (L) (T)	1D/week0 - 5 7	1D/week1 B1 4 6 484	D4 5 7 2168	1D/week3 B3 0 8 520	6 8 1328 2184	A2 5 1048 1480	4 7 1632	C1 5 7 616	0 7 880	C2 6 6 400	5 6 1560 2744	B2 5 5 6 0 1256 1 2728	5 5 6 1128 5 2360	A3 5 6 1048 1752	4 6 794 2280	A1 5 2376 4112
Composite # Total # of species /10cc Total # of individu	(L) (T) Jais (L) (T)	1D/week0 - 5 7 728 1424 0	1D/week1 B1 484 1528	D4 5 7 2168 4280 0 0	1D/week3 B3 6 8 520 1128 1.54	6 8 1328 2184 0.6	A2 5 1048 1480 0	4 7 1832 2216	C1 5 616 1400	6 7 880 1384 0	C2 6 400 1160 2	0 50 1560 2744 0.51	B2 6 6 7 1256 1 2728 0 0	5 5 6 7 1128 7 2360 0 0.71	A3 5 6 1048 1752 0	4 6 794 2280 1.01	A1 5 2376 4112 0
Composite # Total # of species /10cc Total # of individu /10cc Eggerella advena	(L) (T) (L) (T) (L) (T)	1D/week0 - 5 728 1424 0 0	1D/week1 B1 484 1528 0	D4 5 7 2168 4280 0 0 0 0	1D/week3 B3 6 8 520 1128 1.54 0.71	6 8 1328 2184 0.6 0.73	A2 5 1048 1480 0 0	4 7 1632 2216 0 0.36	C1 5 616 1400 0 2.29	6 7 880 1384 0 0.58	C2 6 400 1160 2 1.38	0 1580 0 1580 0 2744 2 0.51 0 .87	B2 1256 2728 0.252 0.252	5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	A3 5 1048 1752 0 0.91	4 6 794 2280 1.01 0.35	A1 5 2376 4112 0 0
Composite # Total # of species /10cc Total # of individu /10cc	(L) (T) (L) (T) (L) (T) (L) (L)	1D/week0 - - 7 728 1424 0 0 0 0	1D/week1 B1 484 1528 0 0	D4 5 2168 4280 0 0 0 0 0 0 0 0 0	1D/week3 B3 6 8 520 1128 1.54 0.71 0	6 8 1328 2184 0.6 0.73 0	A2 5 1048 1480 0 0 0	4 7 1632 2216 0 0.36	C1 5 616 1400 0 2.29	6 7 880 1384 0 0.58	C2 6 400 1160 2 1.38	0 1580 0 1580 0 2744 2 0.51 0 .87	B2 5 5 6 1256 2728 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 6 6 7 1128 7 2360 0 0.71 9 1.02 0 0	A3 5 6 1048 1752 0 0.91	4 6 794 2280 1.01 0.35 0	A1 5 2376 4112 0 0 0
Composite # Total # of species /10cc Total # of individu /10cc Eggerella advena Elphidium excevatu	(L) (T) (L) (L) (T) (L) (T) (T)	1D/week0 - 5 77 728 1424 0 0 0 0 0	1D/week1 B1 46 484 1528 00 00 00	D4 5 2168 4280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1D/week3 B3 6 520 1128 1.54 0.71 0	6 8 1328 2184 0.6 0.73 0 0 0 0	A2 5 8 1048 1480 0 0 0 0 0	4 7 1632 2216 0 0.36	C1 5 7 616 1400 0 2.29 0 0	6 7 880 1384 0 0.58 0 0 0 0 0	C2 6 400 1160 2 1.38 0 0 0	0 1580 0 2744 0.51 0 0.87 0 0 0 0	B2 5 5 6 2 7 228 6 2728 6 2728 7 0.28 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 5 6 8 1128 8 2360 0 0.71 9 1.02 0 0 0 0	A3 5 6 1048 1752 0 0.91 0.91	4 6 794 2280 1.01 0.35 0 0	A1 5 2376 4112 0 0 0 0
Composite # Total # of species /10cc Total # of individu /10cc Eggerella advena	(L) (T) Jals (L) (T) (T) (T) Jalis (L)	1D/week0 - - - - - - - - - - - - - - - - - - -	1D/week1 B1 46 464 1526 00 00 00 00 00 00 00 00 00 00 00 00 00	D4 5 7 2168 4280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1D/week3 B3 6 520 1128 1.54 0.71 0 0 0	6 8 1328 2184 0.6 0.73 0 0 0 0 0	A2 5 8 1048 1480 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 7 1632 2216 0 0.36 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 616 1400 0 2.29 0 0 0 0 0 0 0 0 0 0 0 0	6 7 880 1384 0 0.58 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 6 400 1180 2 1.38 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 5 0 1580 0 2744 0 0.51 0 0.87 0 0 0 0 0 0 0 0 0	B2 5 5 5 5 2728 6 2728 6 2728 6 2728 6 2728 6 0 7 0.29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 9 6 9 1128 9 2360 0 0.71 9 1.02 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 5 1048 1752 0 0.91 0 0 0 0 0	4 6 794 2280 1.01 0.35 0 0 0 0	A1 5 2376 4112 0 0 0 0 0
Composite # Total # of species /10cc Total # of individu /10cc Eggerella advena Ephidium excavatu Glomospira gordi	■ (L) (T) uels (L) (T) ■ (L) (T) am (L) (T) allis (L) (T)	1D/week0 - - - - - - - - - - - - - - - - - - -	1D/week1 B1 484 1528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 5 7 2168 4280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1D/week3 B3 6 520 1128 1.54 0.71 0 0 0 0 0	8 1328 2184 0.6 0.73 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 5 8 1048 1480 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 7 1632 2216 0 0.36 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 616 1400 0 2.29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 880 1384 0 0.58 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 6 400 11160 2 1.38 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1580 2744 0.51 0.87 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 0 1256 0 2728 0 2758 0 2758 0 2758 0 2758 0 2758 0 2758 0 2758 0 2758 0	5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	A3 6 1048 1752 0 0.91 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 794 2280 1.01 0.35 0 0 0 0 0	A1 5 2378 4112 0 0 0 0 0 0 0 0 0 0 0 0
Composite # Total # of species /10cc Total # of individu /10cc Eggerella advena Elphidium excevatu	■ (L) (T) uals (L) (T) ■ (L) (T) and (L) (T) (L)	1D/week0 - 5 77 728 1424 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1D/week1 B1 484 1528 00 00 00 00 00 00 00 00 00 00 00 00 00	D4 5 7 2168 3 4280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1D/week3 B3 6 520 1128 1.54 0.71 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 8 1328 2184 0.8 0.73 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 5 8 1048 1480 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 7 1632 2216 0 0.36 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 816 1400 0 2.29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 880 1384 0 0.58 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 6 400 1160 2 1.38 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1580 2744 0.51 0.87 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 1256 2728 0 0 2728 0 0 2728 0	5 5 6 7 7 7 7 8 7 8 7 7 8 7 8 7 8 7 8 7 8 7	A3 5 6 1048 1752 0 0.91 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 794 2280 1.01 0.35 0 0 0 0 0 0 0 0 0 0 0	A1 5 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Composite # Total # of species /10cc Total # of individu /10cc Eggerella advena Elphidium excavatu Glomospira gordi Inner linings	(L) (T) (T) (T) (L) (T) (L) (T) (L) (T) (L) (T)	1D/week0 - 5 77 728 1424 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1D/week1 B1 484 1528 00 00 00 00 00 00 00 00 00 00 00 00 00	D4 5 77 2168 4280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1D/week3 B3 6 520 1128 1.54 0.71 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 8 1328 2184 0.6 0.73 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 5 8 1048 1480 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 7 1632 2216 0 0.36 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 81e 1400 0 2.29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 7 880 1384 0 0.58 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 6 6 6 6 6 7 1160 2 1.38 0 0 0 0 0 0 0 0 0 0 0 0 0	5 1580 1580 2744 0.51 0.87 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 1256 12728 12728 0 12728 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 6 7 7 7 8 7 8 7 128 6 7 8 7 8 7 12 7 12 7 12	A3 5 6 1048 1762 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 8 794 2280 1.01 0.35 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Composite # Total # of species /10cc Total # of individu /10cc Eggerella advena Ephidium excavatu Glomospira gordi	(L) (T) (T) (T) (L) (T) (L) (T) (L) (T) (L) (T) (L) (T) (L) (T) (L) (T) (L)	1D/wsek0 - 5 7 728 1424 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1D/week1 B1 4 4 4 4 4 4 4 4 4 4 4 4 4	D4 5 7 2168 4280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1D/week3 B3 6 8 520 1128 1.54 0.71 0 0 0 0 0 0 0 0 0 0 0 0 10.8 16.3 23.1	6 8 1328 2184 0.6 0.73 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 5 8 1048 1480 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 7 1632 2216 0.36 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 81e 1400 0 2.29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 7 880 1384 0 0.58 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2         6           400         400           1160         2           1.38         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           12         4.83           12         4.83	5 1580 2744 0.51 0.87 0.0	B2           5         5           6         1256           1         2728           1         2728           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	5 6 7 7 8 9 1128 2380 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 5 6 1048 1762 0 0.91 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 794 2280 1.01 0.35 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Composite # Total # of species /10cc Total # of individu /10cc Eggerella advena Elphidium excavatu Glomospira gordi Inner linings	(L) (T) (T) (T) (L) (T) (T) (L) (L) (L) (Ld)	1D/week0 - 5 77 728 1424 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1D/week1 B1 4 6 4 4 4 4 4 4 4 4 4 4 4 4 4	D4 5 7 2168 4280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1D/week3 B3 6 520 1128 1.54 0.71 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 8 1328 2184 0.68 0.73 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 5 8 1048 1480 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 7 1632 2216 0.36 0.36 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 81e 1400 0 2.29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 7 880 1384 0.58 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2         6           0         400           1160         2           1.38         0           0         0	5 6 1560 2744 0.51 0.87 0.07	B2           5         5           6         5           7         2728           1         2728           0         2728           0         0	5         6           8         1128           9         2380           9         0.71           9         1.02           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           10         14.8	A3 5 0 1048 1752 0 0.091 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 794 2280 1.01 0.35 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Composite # Total # of species /10cc Total # of individu /10cc Eggerella advena Elphidium excavatu Glomospira gordi Inner linings	(L) (T) (T) (T) (L) (T) (L) (L) (L) (L) (L) (L) (L) (L) (L) (L	10/week0 - 5 7 728 1424 0 0 0 0 0 0 0 0 0 0 0 0 0	1D/week1 B1 4 6 4 4 4 4 4 4 4 4 4 4 4 4 4	D4 5 77 2168 4280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10/week3 B3 0 8 520 1128 1.54 0.711 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 8 1328 2184 0.6 0.73 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 5 8 1048 1480 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 7 1632 2216 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 818 1400 0 0 2.259 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	880 1384 0 0,58 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 6 400 1180 138 0 1.38 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1580 2744 0.51 0.87 0.67 0.07 0.07 0.07 0.05 0.07 0.05 0.07 0.07 0.05 0.07	B2           5         5           6         5           7         0.285           0         0 <t< td=""><td>5         5           6         1128           7         1128           7         100           7         100           7         100           7         100           7         100           7         100           7         100           7         100           100         100</td><td>A3 5 6 1048 17652 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>4 6 794 2280 1.01 0.35 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A1 5 5 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td></t<>	5         5           6         1128           7         1128           7         100           7         100           7         100           7         100           7         100           7         100           7         100           7         100           100         100	A3 5 6 1048 17652 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 794 2280 1.01 0.35 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Composite # Total # of species /10cc Total # of individu /10cc Eggerella advena Elphidium excavatu Glomospira gordi Inner linings	(L) (T) (T) (T) (L) (T) (T) (L) (L) (L) (Ld)	1D/week0 - 5 77 728 1424 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1D/week1 B1 4 4 4 4 4 4 4 4 4 4 4 4 4	D4 5 7 2188 4280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10/week3 B3 0 8 520 1128 1.54 0.711 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	e 88 1328 0.6 0.73 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 5 8 10484 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 7 1832 2216 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 9 etet 1400 0 2.25 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 880 1384 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 6 4000 11800 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1560 2744 0.515 0.87 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2         5         6         7         6         7         7         2         7         2         7         6         3         7         6         3         7         6         3         7         6         3         7         6         2         9         5         7         6         3         3         7         6         3         3         7         6         3         3         1 <th1< th="">         1         <th1< th=""> <th1< th=""></th1<></th1<></th1<>	5         5           8         6           9         1128           8         2360           0         0.71           1         1.02           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         10.1           2         7.12           5         19.1           1         14.8           2         6.86           0         6.86	A3 5 6 10484 1752 0 0.91 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 794 2280 1.01 0.35 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Composite # Total # of species /loco Total # of individu /loco Eggerella advena Epiddum excavatu Glomospira gordi Inner lininga Mikammina fusca	(L) (L) (L) (L) (L) (L) (L) (L)	10/week0 - 5 7 728 1424 00 0 0 0 0 0 0 0 0 0 0 0 0	1D/week1 B1 404 404 404 404 404 404 404 404 404 0	D4 5 7 2168 0 42800 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10/week3 B3 6 520 1128 1.545 0.71 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 1328 2184 0.68 0.73 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 5 8 10480 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 7 1832 2216 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 8 1400 0 2.282 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2	5 6 1560 0.7444 0.51 0.087 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2         5         5         6           0         6         6         1265         6           1         2728         0<	5         5           6         6           7         1128           7         100           7         0           7         7.8           7         7.12           7         1.9           1         1.02           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	A3 6 6 6 1048 1752 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 794 22800 1.011 0.35 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Composite # Total # of species /loco Total # of individu /loco Eggerella advena Epiddum excavatu Glomospira gordi Inner lininga Mikammina fusca	(L) (T) (L) (T) (L) (T) (L) (T) (L) (L) (T) (L) (T) (T)	10/week0 - 5 7 728 1424 0 0 0 0 0 0 0 0 0 0 0 0 0	1D/week1 B1 4 4 6 4 4 4 4 4 4 4 4 4 4 5 2 6 6 6 6 6 7 3 4 6 6 7 3 4 6 6 7 3 4 6 6 7 7 3 4 6 6 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	D4 5 7 2188 4280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10/week3 B3 0 8 520 1128 1.54 0.71 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 8 1328 2184 0.6 0.73 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 5 8 8 1048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 7 1632 2216 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 9 (1) 0 0 2 252 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 6 6 4000 2 0 0 0 0 0 0 0 0	5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	B2         5         5         6           0	5         5           6         6           1128         23600           200.711         0.000           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	A3 6 6 1044 1752 0 0.91 0.091 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 794 2280 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Composite # Total # of species /10cc Total # of Individu /10cc Eggerella advena Epitdlum excavatu Glomospira gordl inner linings Miikammina fusca Pseudo.limetts	(L) (L) (L) (L) (L) (L) (L) (L)	10/wesk0 - 5 7728 11424 0 0 0 0 0 0 0 0 0 0 0 0 0	10/week1 B1 4 6 6 494 494 1522 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 5 7 21868 4280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10/week3 B3	6 8 1328 2184 0.6 0.73 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 5 8 1048 1048 0 0 0 0 0 0 0 0 0 0 0 0 0	4 7 16332 2216 0.36 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 618 1400 0 0 2 255 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 8800 0.58 0.58 0.58 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 6 6 400 2 2 5 138 0 0 0 0 0 0 0 0 0	5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	B2         5           0         6           0         1256           0         1256           0         2728           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	5         5         6         6         7         7         8         2380         0         0.71         0 </td <td>A3 5 6 6 1048 1752 0.91 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>4 6 7944 2260 1.01 0.35 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A1 5 5 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td>	A3 5 6 6 1048 1752 0.91 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 7944 2260 1.01 0.35 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Composite # Total # of species /10cc Total # of Individu /10cc Eggerella advena Epitdlum excavatu Glomospira gordl inner linings Miikammina fusca Pseudo.limetts	(L) (T) (T) (T) (T) (T) (L) (T) (L) (L) (L) (L) (L) (L) (L) (L) (L) (L	10/week0 - 5 7 728 1424 0 0 0 0 0 0 0 0 0 0 0 0 0	10/wesh1 B1 4 464 464 1522 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 5 7 2168 4280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10/week3 B3	6         6           6         6           13280         2184           0.6         0.73           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         11.7.           18.9         0           0.037         0.037           0         0           0         0	A2 5 8 8 10480 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 7 1933 2216 0.0330 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 818 1400 0 0 2.29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 88000 0.585 0.00 0.00 0.00 0.00 0.00 0.	C2         0           0         0           0         11800           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	5 6 6 15000 0.744 0.651 0.07444 0.07444 0.0744 0.0744 0.0744 0.0744 0.0744 0.0744	B2         5           0         6           0         1256           0         1256           0         2728           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	5         5         6         6         7         7         8         2380         0         0.71         0 </td <td>A3 5 6 6 1048 1752 0.91 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>4 6 7944 2260 1.01 0.35 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A1 5 5 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td>	A3 5 6 6 1048 1752 0.91 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 7944 2260 1.01 0.35 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Composite # Total # of species /loco Total # of individu /loco Eggerella advena Epiddum excavatu Glomospira gordi Inner linings Mikammina fusca Pseudo.limetis Thecamoebians	(L) (T) (T) (T) (T) (T) (L) (T) (L) (L) (L) (L) (L) (L) (L) (L) (L) (L	10/wesk0 - 5 7 7288 1424 0 0 0 0 0 0 0 0 0 0 0 0 0	10/wesh1 B1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	D4 5 77 21880 4280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10/wesk3 B3	6 6 7 7 7 8 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 5 8 10480 0 0 0 0 0 0 0 0 0 0 0 0 0	4 7 1833 2216 0.38 0 0.38 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 616 1400 0 2282 282 0 0 0 0 0 0 0 0 0 0 0 0 0	6 88000 0.588 0.588 0.058 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	C2         0	5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	B2         5           0         6           0         1256           0         1256           0         2728           0         0	5         5           6         6           7         7.128           7         7.12           7         7.12           7         7.12           8         26.80           9         0           9         0           10         0.71           1.02         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	A3 6 6 6 6 6 6 7 6 6 6 7 6 6 6 7 6 7 7 7 7 8 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7	4 6 7944 2280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 2378 4112 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Composite # Total # of species /10cc Total # of Individu /10cc Eggerella advena Elpidlum excevetu Glomospira gordi Inner linings Mikammina fusce Pseudo.limetis Thecamoebians	(L)     (	10/wesk0 - 5 7728 1424 0 0 0 0 0 0 0 0 0 0 0 0 0	10/wesh1 B1 4 46 46 1522 C C C C C C C C C C C C C C C C C C	D4 5 7 2186 4280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10/wesk3 B3	6         6           6         6           13284         2184           0.8         0.733           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	A2 5 8 1048 1480 0 0 0 0 0 0 0 0 0 0 0 0 0	4 7 1932 2216 0.336 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 846 4400 0 0 0 2.22 0 0 0 0 0 0 0 0 0 0 0 0 0	6 8800 1384 0.555 0.555 0.657 25.5 0.677 25.5 0.630 20.8 20.8 20.8 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2         0	5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	B2         8           0         0         5           0         0         0           0         1255         0           0         0         0         0           0         0         0         0           0         0         0         0         0           0         0         0         0         0           0         0         0         0         0           0         0         0         0         0           0 <td>5         5           6         6           6         1128           8         12360           0         0.71           1         1.022           0         0</td> <td>A3 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7</td> <td>4 6 7944 2280 0.355 0.05 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A1 55 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td>	5         5           6         6           6         1128           8         12360           0         0.71           1         1.022           0         0	A3 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	4 6 7944 2280 0.355 0.05 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 55 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Composite # Total # of species flocc Total # of individu flocc Eggenelia advena Epiddum excavatu Glomospira gordi Inner linings Mikammina fusca Pseudo.limetis Thecamoebians Tphetrisota comprise	(L)	10/wesk0 - 5 7 7288 1424 0 0 0 0 0 0 0 0 0 0 0 0 0	10/wesh1 B1 4 400 1528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4           5           7           2188           4280           0<	10/wesk3 B3	e 8 1322 0.6 0.73 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 5 8 8 10480 0 0 0 0 0 0 0 0 0 0 0 0 0	4 7 1932 2216 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 616 1400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 8800 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2         0	5           6         6           15000         2744           0         2744           0         2744           0         0.67           0         0	B2         5         6         6         6         6         6         6         6         6         6         7         6         2         7         2         7         6         0	5         5           6         6           1128         2360           2380         0.0711           0.011         0.011           0.011         0.011           0.011         0.011           0.011         0.011           0.011         0.011           0.011         0.011           0.011         0.011           0.011         0.011           0.011         0.011           0.011         0.011           0.011         0.011           0.011         0.011           0.011         0.011           0.011         0.011           0.011         0.011           0.011         0.011           0.011         0.011	A3 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	4 6 7944 2280 1.011 0.355 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Composite # Total # of species flocc Total # of individu flocc Eggenelia advena Epiddum excavatu Glomospira gordi Inner linings Mikammina fusca Pseudo.limetis Thecamoebians Tphetrisota comprise	(U)     (T)     (	10/wesk0 - 5 7 7288 1424 0 0 0 0 0 0 0 0 0 0 0 0 0	10/wesh1 B1 4 6 6 6 6 6 6 6 6 6 6 6 6 6	D4 5 7 21889 4280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10/wesk3 B3	6         6           8         6           1328         2184           0.8         0.733           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0.37         0.8           0.0         0.8           0         0           0         0           0         0           0         0           0         0           0         0	A2 5 8 8 1480 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 7 1832 2216 0.336 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 8 1400 0 225 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 8800 0.55 6.67 25.5 6.33 20.8 22.2 0 0 0 0 0 0 0 0 0 0 0 0 0	C2         6           6         6           7         6           100         2           1380         0           1388         1388	5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	B2         6           0         6           0         1255           0         0	5         5           6         6           6         1128           8         2360           0         0.71           1.022         0           0         0	A3 6 6 7 1048 17522 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 7944 2280 1.01 0.355 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0
Composite # Total # of species r10cc Total # of Individu /10cc Eggerella advena Ephtidum excavatu Glomospira gordi inner linings Mikammina fusca Pseudo.limetis Thecamoeblans Tphotrosta comprime Trocha.inflata	(L)     (	10/wesk0 - 5 7288 1424 0 0 0 0 0 0 0 0 0 0 0 0 0	10/wesh1 B1 4464 46644 4664 4664 4664 4664 4664 4664 4664 4664 466	D4 5 7 2188 4280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10/week3 B3	6         8           13280         2184           0.8         0.73           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0.0           0         0.0           0         0.0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	A2 5 8 8 10480 0 0 0 0 0 0 0 0 0 0 0 0 0	4 7 18323 2216 0.360 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 846 1400 0 0 0 2.22 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 8600 0.58 0 0 0 0 0 0 0 0 0 0 0 0 0	C2         0	5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7	B2         5         6           0         0         0           0         12556         0           0         0         0	5         5           6         6           11282         2360           23800         0.0711           0         0.712           0         0.712           0         0.0711           0         0.0711           0         0.0711           0         0.000           0         0.000           0         0.000           0         0.000           0         0.000           0         0.000           0         0.000           0         0.000           0         0.000           0         0.000           0         0.000           0         0.000           0         0.000           0         0.000           0         0.000	A3 6 6 7 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7	4 6 7944 2280 1.011 0.35 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 55 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Composite # Total # of species flocc Total # of individu flocc Eggenelia advena Epiddum excavatu Glomospira gordi Inner linings Mikammina fusca Pseudo.limetis Thecamoebians Tphetrisota comprise	(U)     (	10/wesk0 - 5 77282 1424 0 0 0 0 0 0 0 0 0 0 0 0 0	10/wesh1 B1 4 4 4 4 4 4 4 4 4 4 4 4 4	D4           5           7           2168           4280           0	10/wesk3 B3	6         8           1328         2184           0.8         0.73           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	A2 5 8 8 10480 0 0 0 0 0 0 0 0 0 0 0 0 0	4 7 1932 2216 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 616 1400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 8800 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2         0         0           0         0         0           0         11800         2           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0	5           6         6           15600         2744           0.51         0.67           0.071         0.77           0.071         0.77           0.071         0.77           0.071         0.77           0.071         0.77           0.071         0.77	B2         5         6           0         6         6           0         1255         2728           0         1255         0         0           0         0         0         0         0           0 <td< td=""><td>5         5           6         1128           7         2390           1         1.02           0         0.71           0         0.71           0         0.01           0         0.01           0         0.01           0         0.01           0         0.01           0         0.02           0         0.02           0         0.01           0         0.02           0         0.02           0         0.02           0         0.02           0         0.02           0         0.02           0         0.03           0         0.03           0         0.03           0         0.03           0         0.03           0         0.03</td><td>A3 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7</td><td>4 6 7944 2280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A1 5 5 2378 4112 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td></td<>	5         5           6         1128           7         2390           1         1.02           0         0.71           0         0.71           0         0.01           0         0.01           0         0.01           0         0.01           0         0.01           0         0.02           0         0.02           0         0.01           0         0.02           0         0.02           0         0.02           0         0.02           0         0.02           0         0.02           0         0.03           0         0.03           0         0.03           0         0.03           0         0.03           0         0.03	A3 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	4 6 7944 2280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 2378 4112 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Composite # Total # of species /10cc Total # of Individu /10cc Eggerella advena Epitidum excavetu Giomospira gordi Inner linings Mikammina fusca Mikammina fusca Pseudo.limetis Thecamcebians Tpocha.inflata	(U)     (T)     (	10/wesk0 - 5 77282 1424 0 0 0 0 0 0 0 0 0 0 0 0 0	10/wesh1 B1 4 6 6 6 6 6 6 6 6 6 6 6 6 6	D4 5 7 2188 4280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10/wesk3 B3	6         6           8         6           9         1328           2184         0.8           0.733         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	A2 5 8 8 10480 0 0 0 0 0 0 0 0 0 0 0 0 0	4 7 1832 2216 0.336 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 816 1400 0 0 2.22 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 8800 0 0 0 0 0 0 0 0 0 0 0 0	C2         6           6         6           7         7           8         11000           9         0           0         0	5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	B2         8           0         6           0         1255           0         0      0         0 <td< td=""><td>5         5           6         6           6         1128           8         23600           0         0</td><td>A3 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7</td><td>4 6 7944 2280 1.01 0.355 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A1 5 5 2376 4172 0 0 0 0 0 0 0 0 0 0 0 0 0</td></td<>	5         5           6         6           6         1128           8         23600           0         0	A3 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	4 6 7944 2280 1.01 0.355 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 2376 4172 0 0 0 0 0 0 0 0 0 0 0 0 0
Composite # Total # of species r10cc Total # of Individu /10cc Eggerella advena Ephtidum excavatu Glomospira gordi inner linings Mikammina fusca Pseudo.limetis Thecamoeblans Tphotrosta comprime Trocha.inflata	L (La) L	10/wesk0	10/wesh1 B1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	D4           5           7           2168           4280            0	10/wesk3 B3	e 8 13284 0.64 0.73 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 5 8 8 10480 0 0 0 0 0 0 0 0 0 0 0 0 0	4 7 18323 2216 0.360 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 846 1400 0 0 0 228 228 0 0 0 0 0 0 0 0 0 0 0 0	6 7 8800 0.58 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 C	5 6 6 6 6 6 6 6 6 6 6 6 6 6	B2         5         6         6           0         0         0         2         0	5         5           6         6           1128         2360           2380         0.0.711           0.0.112         0.0.110           0.0.112         0.0.110           0.0.112         0.0.110           0.010         0.00           0.010         0.00           0.010         0.00           0.011         0.010           0.011         0.010           0.011         0.010           0.010         0.00           0.010         0.00           0.010         0.00           0.010         0.00           0.010         0.00           0.010         0.00           0.010         0.00           0.010         0.00           0.010         0.00           0.010         0.00           0.010         0.00           0.010         0.00           0.010         0.00           0.010         0.00           0.010         0.00           0.010         0.00           0.010         0.00	A3 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	4 6 7944 2280 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 55 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Composite # Total # of species /10cc Total # of Individu /10cc Eggerella advena Epitidum excavetu Giomospira gordi Inner linings Mikammina fusca Mikammina fusca Pseudo.limetis Thecamcebians Tpocha.inflata		10/wesk0 - 5 7 7288 1424 0 0 0 0 0 0 0 0 0 0 0 0 0	10/wesh1 B1 4 6 6 6 6 6 6 6 6 6 6 6 6 6	D4 D4 5 7 21688 4280 0 0 0 0 0 0 0 0 0 0 0 0 0	10/wesk3 B3	6         6           8         6           1328         2184           0.8         0.0           0         0	A2 5 6 8 7 6 8 7 6 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8	4 7 1932 2216 2216 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 8 1400 0 0 0 0 0 0 0 0 0 0 0 0	6 7 8800 0 0 0 0 0 0 0 0 0 0 0 0	C2         6           6         6           7         6           11000         0           0         0	5 6 6 6 6 6 6 6 6 6 6 6 6 6	B2         8           0         6           0         1255           0         0 <td>5         5           6         6           7         8           7         7           8         7           9         0           0         0</td> <td>A3 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7</td> <td>4 6 7944 2280 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A1 65 57 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0</td>	5         5           6         6           7         8           7         7           8         7           9         0           0         0	A3 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	4 6 7944 2280 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 65 57 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0
Composite # Total # of species /10cc Total # of Individu /10cc Eggerella advena Epitidum excavetu Giomospira gordi Inner linings Mikammina fusca Mikammina fusca Pseudo.limetis Thecamcebians Tpocha.inflata	<ul> <li>(L)</li> <li>(T)</li> <li>(T)</li> <li>(L)</li> <li>(L)</li></ul>	10/wesk0 - 5 7788 1124 0 0 0 0 0 0 0 0 0 0 0 0 0	10/wesh1 B1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	D4 5 7 2188 4280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10/wesk3 B3	e 8 13284 2184 0.68 0.73 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 5 8 1048 1480 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 7 1832 2216 0.360 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 846 440 0 0 0 228 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 8600 0 0 0 0 0 0 0 0 0 0 0 0	C2         6           6         6           7         6           11000         2           1.380         0           0         0      0         0 </td <td>5           6           1500           2744           0.551           0.657           0.057           0.050     <!--</td--><td>B2         5         6           0         0         5           0         0         0</td><td>5         5           6         6           11282         2360           0         0.7171           0         0.7120           0         0.7120           0         0.7120           0         0.7120           0         0.0           0         0</td><td>A3 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7</td><td>4 6 7944 2280 1.011 0.35 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A1 5 5 2376 4 2376 0 0 0 0 0 0 0 0 0 0 0 0 0</td></td>	5           6           1500           2744           0.551           0.657           0.057           0.050 </td <td>B2         5         6           0         0         5           0         0         0</td> <td>5         5           6         6           11282         2360           0         0.7171           0         0.7120           0         0.7120           0         0.7120           0         0.7120           0         0.0           0         0</td> <td>A3 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7</td> <td>4 6 7944 2280 1.011 0.35 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A1 5 5 2376 4 2376 0 0 0 0 0 0 0 0 0 0 0 0 0</td>	B2         5         6           0         0         5           0         0         0	5         5           6         6           11282         2360           0         0.7171           0         0.7120           0         0.7120           0         0.7120           0         0.7120           0         0.0           0         0	A3 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	4 6 7944 2280 1.011 0.35 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 2376 4 2376 0 0 0 0 0 0 0 0 0 0 0 0 0
Composite # Total # of species flocc Total # of Individu flocc Eggerella advena Ephdium excavetu Glomospira gordi Inner linings Mikammina fusca Mikammina fusca Pseudo.limetis Thecamoebians Tpocha.inflata Trocha.inflata	(L) (L) (L) (L) (L) (L) (L) (L)	10/wesk0	10/wesh1 B1 4 4 404 4 404 1528 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 D4 5 7 7 7 7 7 7 7 7 7 7 7 7 7	10/wesk3 B3 0 0 0 0 0 0 0 0 0 0 0 0 0	6         8           1328         1328           0.6         0.73           0         0           0 <t< td=""><td>A2 5 8 1048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>4 7 19323 2216 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>C1 5 7 616 1400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>6 7 8800 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>C2         0           0         0</td><td>5           6           15000           2744           0.574           0.67           0.76           0.77           0.75     <td>B2         5         6           0         0         5         6         6           0         1255         0<td>5         5           6         5           7         8           7         8           7         10           7         10           7         10           7         10           7         10           7         10           7         10           7         10           10         10           10         10           10         14.8           26.8         0           0</td><td>A3 6 6 6 7 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7</td><td>4 6 7944 2280 1.01 0.355 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A1 5 5 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0</td></td></td></t<>	A2 5 8 1048 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 7 19323 2216 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 616 1400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 8800 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2         0           0         0	5           6           15000           2744           0.574           0.67           0.76           0.77           0.75 <td>B2         5         6           0         0         5         6         6           0         1255         0<td>5         5           6         5           7         8           7         8           7         10           7         10           7         10           7         10           7         10           7         10           7         10           7         10           10         10           10         10           10         14.8           26.8         0           0</td><td>A3 6 6 6 7 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7</td><td>4 6 7944 2280 1.01 0.355 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A1 5 5 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0</td></td>	B2         5         6           0         0         5         6         6           0         1255         0 <td>5         5           6         5           7         8           7         8           7         10           7         10           7         10           7         10           7         10           7         10           7         10           7         10           10         10           10         10           10         14.8           26.8         0           0</td> <td>A3 6 6 6 7 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7</td> <td>4 6 7944 2280 1.01 0.355 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A1 5 5 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0</td>	5         5           6         5           7         8           7         8           7         10           7         10           7         10           7         10           7         10           7         10           7         10           7         10           10         10           10         10           10         14.8           26.8         0           0	A3 6 6 6 7 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7	4 6 7944 2280 1.01 0.355 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0
Composite # Total # of species /10cc Total # of Individu /10cc Eggerella advena Epitdium excavelu Glomospira gordi Inner linings Mikammina fusca Mikammina fusca Pseudo.limetis Thecamcebians Tpocha.inflata Trocha.inflata	(L)     (D)     (	10/wesk0 - 5 7 7288 1424 0 0 0 0 0 0 0 0 0 0 0 0 0	10/wesh1 B1 4 6 6 6 6 6 6 6 6 6 6 6 6 6	D4 5 7 2188 0 4280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10/wesk3 B3 0 0 0 0 0 0 0 0 0 0 0 0 0	6         6           8         8           1328         2184           0.8         0.733           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0.37         0.8           0.0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         75.8           0         1.2	A2 5 8 8 1480 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 7 1832 2216 2216 0.336 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 8 1400 0 0 0 0 0 0 0 0 0 0 0 0	6 7 8800 0.55 6.67 25.5 6.33 20.8 22.2 0 0 0 0 0 0 0 0 0 0 0 0 0	C2         6           6         6           7         6           11000         2           1.380         0           0         0	5 6 6 6 6 6 6 6 6 6 6 6 6 6	B2         8           0         6           0         1255           0         0 <td>5         5           6         6           6         1128           8         2380           0         0.71           1.02         0           0         &lt;</td> <td>A3 6 6 6 7 6 6 6 6 6 7 7 7 8 1352 24.1 6 6 7 7 7 8 13.2 24.1 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>4 6 7944 2280 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A1 5 5 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0</td>	5         5           6         6           6         1128           8         2380           0         0.71           1.02         0           0         <	A3 6 6 6 7 6 6 6 6 6 7 7 7 8 1352 24.1 6 6 7 7 7 8 13.2 24.1 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 7944 2280 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0
Composite # Total # of species /10cc Total # of Individu /10cc Eggerella advena Epitdium excavetu Glomospira gordi Inner linings Mikammina fusce Mikammina fusce Pseudo.limetis Thecamoebians Tpotrosta comprime Trocha.Inflata Trocha.macresce	(L) (L) (L) (L) (L) (L) (L) (L)	10/wesk0	10/wesh1 B1 4 6 6 6 6 6 6 6 6 6 6 6 6 6	D4 5 7 2188 0 4280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10/wesk3 B3 0 0 0 0 0 0 0 0 0 0 0 0 0	6         6           8         8           1328         2184           0.8         0.733           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0.37         0.8           0.0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         75.8           0         1.2	A2 5 8 8 1480 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 7 1832 2216 2216 0.336 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 8 1400 0 0 0 0 0 0 0 0 0 0 0 0	6 7 8800 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2         0           0         0	5 6 6 6 6 6 6 6 6 6 6 6 6 6	B2         8           0         6           0         1255           0         0      0         0 <td< td=""><td>5         5           6         122           7         2360           0         0.71           1.02         0           0         0.71           1.02         0           0</td><td>A3 6 6 6 7 6 6 6 6 6 7 7 7 8 1352 24.1 6 6 7 7 7 8 13.2 24.1 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>4 6 7944 2280 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A1 5 5 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0</td></td<>	5         5           6         122           7         2360           0         0.71           1.02         0           0         0.71           1.02         0           0	A3 6 6 6 7 6 6 6 6 6 7 7 7 8 1352 24.1 6 6 7 7 7 8 13.2 24.1 0 0 0 0 0 0 0 0 0 0 0 0 0	4 6 7944 2280 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0
Composite # Total # of species /10cc Total # of Individu /10cc Eggenella advena Ephdium excavetu Glomospira gordi Inner linings Mikammina fusce Pseudo.limetis Thecamoebians Tphotrosta corprise Trocha.inflata Trocha.macresce Trocha.macresce	(L)     (D)     (	10/wesk0 - 5 7 7288 1424 0 0 0 0 0 0 0 0 0 0 0 0 0	10/wesh1 B1 4 6 4 4 4 4 4 4 4 4 4 4 4 4 4	D4 5 7 2168 4280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10/wesk3 B3 0 0 0 0 0 0 0 0 0 0 0 0 0	6         8           1328         2184           0.6         0.73           0         0           0         1.2           5.49         5.49	A2 5 8 8 1480 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 7 16323 2216 0.38 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	C1 5 7 8 1400 0 0 0 0 0 0 0 0 0 0 0 0	6 7 8800 0 0 0 0 0 0 0 0 0 0 0 0	C2         6           6         6           7         6           11000         2           1380         0           0         0	5           6         6           15600         2744           0.15600         0.67           0.071         0.67           0.071         0.67           0.071         0.67           0.071         0.67           0.071         0.67           0.071         0.75           0.071         0.75           0.071         0.75           0.071         0.75           0.071         0.75           0.071         0.75           0.071         0.75           0.071         0.75           0.071         0.75           0.071         0.75           0.071         0.75           0.071         0.75           0.071         0.75           0.071         0.75	B2         5         6           0         6         6           0         1255         2728           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0         0           0         0         0         0         0           0         0         0         0         0           0         0         0         0         0           0         0         0         0         0	5         5           6         6           7         1128           8         2380           9         1128           9         1120           1         1.02           0         0.71           1         0.02           0         0           0	A3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	4 6 7944 2280 1.01 0.355 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 6 5 2376 4112 0 0 0 0 0 0 0 0 0 0 0 0 0

**Table A-6**Table of results for foraminiferal occurrences for Treatment D (Oiled plot<br/>with nutrient enrichment), Plot 2 and 3, for weeks 0-22. Same format as<br/>Table A-1.

TREATMENT 2D	Oiled plot	with nutrie	ant enrichm	ent					1		T	1	1			
Plot#date		2D/week1		2D/week3		2D/week5		2D/waek8		2D/week10		2D/week14		2D/week18		2D/week22
Composite #	-	B1	D4	B3	F6	A2	F4	C1	E5	C2	E4	B2	F6	A3	D6	A1
Total # of species (L)	4	5	4	5	6	6			6	6		5	5	5	5	5
/10cc (T)	5	6	5		7		7	8	6	7	5	6	5		5	8
Total # of individuals (L)	1096	1658	1680	2224	1776	3216	1784	3040	1960	2128	1880	2368			1720	1250
/10cc (T)	2768	4328	3680	5400	3360	4072	3248	4904	3344			3496	3096		2992	4232
Eggerella advena (L)	0	. 0	0	0 0	0.9	0	0.45	0	0	0	0	0	0	0.56	0	0
(1)	0	0	C	0.15	0.48	0	0.25	0			0	0.23	0		0	0.19
Elphidium excavatum (L)	0	Ö	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0
(T)	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0
Giomospira gordialis (L)	0				0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0
inner linings (L)	3.65	0	0	2.16	2.7	1	0,9	2.63	2.86	1.13	2.55	2.36	0.74	0	0.47	1.27
σ	3.76	0	0	4.74	3.57	2.55	5.17	4.57	5.26	3.55	3.62	4.35	2.07	0.54	1.6	2.27
Millammina fusca (L)	15.3	5.31			21.2	20.6	32.7	39.2	24.1	28.6	26.8	22	11	13.3	31.2	15.9
(Ld)	0		27.1	14.4	21.3	14.5	20.5	21.5	8.47	12.2	12.7	6.15	16.7	6.25	11.9	28
()	37.9	13.3	34.8	43.9	28,3	17.9	38,9	35.2	22.5	28.4	24.8	26.1	#1.9	12.2	34.5	25.3
(Td)	0.78	18.1	26,3	10.5	16.8	15.4	16.5	19,4	11.7	11.6	8.33	5.28	10.9	4.41	8.53	9.7
Pseudo.limetis (L)	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0
U U	0	0.37	0.22	2 0.3	0.24	0	0	0.82	0	0	0	0	0	0	0	0
Thecamoeblans (L)	0	0.97	0	0 0	Ò	0 0	0	0.26	0	0.38	0	0	0	0	0	0
0	0		0				0.25	2.45	0	0.25	0	0	0		0	0
Tiphatrocha comprimeta (L)	0						0									0
(1)	2.6						0								0	0
Trocha.Inflata (L)	0						2.24								2.33	3.82
(Ld)	0														0	0
0	0															2.27
(bT)	0						0	0	0						0	0
Trocha.macrescens (L)	0															0
Ο	0											0			0	0
Trocha.mac.polystoma (L)	78.1	86.5														77.1
(Ld)	0														0	0.83
<u> </u>	53.8														57.5	57.5
(Td)	0						0								0	1.32
Trocha.ochracea (L)	0						1.79								0.47	1.91
	0	8.32	5.87	6.96	6.43	4.52	5.42	10.4	5.5	11.7	13.7	2.97	5.68	8.09	4.28	12.5
Colored Cth				1-100			8					0	0		8	
Ostracods (T#)	16	224	104	128	32	16	8	48	18		8			16		
TREATMENT 2D	Ollad plat	with mutrie	nt onriche	ant		+										
TREATMENT 3D		with nutrie	nt enrichm			2Dametri		Dhunak		204 makta		S hunshild		90 hunshi te		3Diweak 22
Plot#date		3D/week1		3D/week3	FA	3D/week5	F4	3D/week8	F5	3D/week10	FA	3D/week14	FS	3D/week18	DB	3D/week22
Plot#date Composite #	3D/week0	3D/week1 B1	D4	3D/week3 B3	F6	A2	F4 7	C1	E5	C2	E4 5	B2	F6 3	A3		3D/week22 A1
Pict#date Composite # Total # of species (L)		SDAweek1 B1 4	D4	3D/week3 B3	6	A2 8	7	C1 8	6	C2	5	B2	3	A3	D6 4	
Plot#date Composite # Total # of species (L) /10cc (T)	3D/wsek0 - 3 4	3D/week1 B1 4 8	D4	30/week3 B3 5 8	7	A2 8	7	C1 8	6	C2	5	B2 6	3	A3 6	4	A1 5
Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuels (L)	3D/waek0 - 3 4 400	3D/week1 B1 4 8 648	D4	3D/week3 B3 6 6 6 8 1504	7 2800	A2 8 8 1904	7 8 2808	C1 8 8 1424	6 7 1568	C2 5 1408	5 6 2904	B2 6 1296	3 7 1096	A3 6 1496	4 5 1264	A1 5 1912
Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T)	3D/week0 - 3 4 400 968	3D/week1 B1 4 8 648 1768	D4	30/week3 B3 6 6 6 8 1504 4 1920	7 2800 4000	A2 8 8 1904 1904 2448	7 8 2808 3880	C1 8 1424 2760	6 7 1568 4000	C2 5 1408 2512	5 6 2904 3992	B2 6 1296 2688	3 7 1098 4312	A3 6 1498 2218	4 5 1264 1848	A1 5 1912 3138
Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuels (L)	3D/waek0 - 3 4 400	3D/week1 B1 4 8 648 1788 0	D4	3D/week3 B3 6 6 3 1504 4 1920 0 0	2800 4000	A2 8 1904 2448 0 0.42	7 8 2808 3880 0	C1 8 1424 2760 0	6 7 1568 4000 0.51	C2 5 1408 2512	5 6 2904 2904 2 3992 0 0	B2 6 1296 2688 0.62	3 7 1096 4312	A3 6 1496 2216 0	4 5 1264	A1 5 1912 3138
Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerelia advena (L) (T)	3D/week0 - 3 4 400 968 0 0 0	3D/week1 B1 4 8 648 1768 0 0	D4	30/week3 B3 6 6 6 6 8 1504 4 1920 0 0 0 0	8 7 2800 4000 0 0 0	A2 8 1904 1904 2448 0 0.42 0 0.65	7 8 2808 3880 0 0	C1 8 1424 2760 0 0	6 7 1568 4000 0.51 0.6	C2 5 1408 2512 0	5 6 2904 3992 0 0 0	B2 6 1296 2688 0.62 0.59	3 7 1096 4312 0 0.37	A3 6 1496 2216 0 0	4 5 1264 1848 0 0	A1 5 1912 3138
PictWdate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerelia advena (L)	3D/week0 - 3 4 400 968 0	3D/week1 B1 4 8 648 1768 0 0 0 0	D4	30/week3 B3 6 6 8 1504 4 1920 0 0 0 0 0 0 0 0	8 7 2800 4000 0 0 0 0	A2 8 1904 2448 0 0.42 0 0.65 0 0 0 0	7 8 2808 3880 0 0 0 0 0	C1 8 8 1424 2760 0 0 0 0	6 7 1568 4000 0.51 0.6 0	C2 5 1408 2512 0 0	5 6 2904 3992 0 0 0 0 0 0	B2 6 1296 2688 0.62 0.59 0	3 7 1098 4312 0 0.37 0	A3 6 1496 2216 0 0 0	4 5 1264 1848 0 0 0 0	A1 5 1912 3138
PictWdate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) Eggerella advena (L) (T)	3D/week8 - 3 4 400 968 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3D/week1 B1 4 8 648 1768 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4	30/week3 B3 6 6 6 7 6 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	8 7 2800 4000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 8 1904 2448 0 0.42 0 0.65 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 8 2808 3880 0 0 0 0 0 0 0 0	C1 8 1424 2760 0 0 0 0 0 0	6 7 1568 4000 0.51 0.6 0 0 0	C2 5 1408 2512 0 0 0 0 0 0	5 6 2904 3992 0 0 0 0 0 0 0 0 0 0	B2 6 1296 2688 0.62 0.59 0 0	3 7 1098 4312 0 0.37 0 0 0 0 0	A3 6 1496 2218 0 0 0 0 0	4 5 1284 1848 0 0 0 0 0 0	A1 5 1912 3138 0 0 0 0 0 0
PictWdate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerelia advena (L) Egpidium excevatim (L) (T) Glomospira gordialis (L) (T)	3D/week8 - 3 4 400 968 0 0 0 0 0 0	3D/week1 B1 4 8 648 1768 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4	30/week3 B3 6 6 6 7 6 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	8 7 2800 4000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 8 8 1904 2448 0 0.42 0 0.65 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 8 2808 3880 0 0 0 0 0 0 0 0	C1 8 8 1424 2760 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 1588 4000 0.51 0.8 0 0 0 0 0 0	C2 55 1408 2512 C0 C0 C0 C0 C0 C0 C0 C0 C0 C0 C0 C0 C0	5 6 2904 3992 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 0 1296 2688 0.62 0.59 0 0 0 0	3 7 1098 4312 0 0.37 0 0 0 0 0 0	A3 6 1496 2218 0 0 0 0 0	4 5 1284 1848 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 1912 3138 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PictWdate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerelia advena (L) Egpidium excevatim (L) (T) Glomospira gordialis (L) (T)	3D/week8 - 3 4 400 968 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3D/week1 B1 4 8 648 1768 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4	30/week3 B3 6 6 6 7 6 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		A2 8 1904 2448 0.42 0.65 0.000 0.0000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.0000 0.0000 0.000 0.0000 0.000	7 8 2808 3880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 8 8 1424 2760 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 1588 4000 0.51 0.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		5 8 2904 3992 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 0 1296 2688 0.62 0.59 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 7 1096 4312 0 0.37 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 6 1496 2218 0 0 0 0 0 0 0 0 0 0 0 0	4 5 1284 1848 0 0 0 0 0 0	A1 5 1912 3138 0 0 0 0 0 0
PictWdate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerelia advena (L) Egpirdium excevatum (L) (T) Glomospira gordialis (L) (T)	3D/wsek8 - 33 44 400 968 00 00 00 00 00 00 00 00 00 00 00 00 00	3D/week1 B1 4 8 648 1768 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		3D/week3         B3         B4         <	2800 4000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 8 1904 2448 0.42 0.65 0.05 0.000 0.0000 0.000 0.0000 0.000 0.0000 0.0000 0.000 0.000 0.0000	7 8 2808 3880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 8 8 1424 2760 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 1588 4000 0.51 0.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 1408 2512 C C C C C C C C C C C C C C C C C C C	5 6 2904 3992 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 0 1296 2688 0.62 0.59 0 0 0 0 0 0	3 7 1098 4312 0 0.37 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 6 1496 2216 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 1264 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 1912 3138 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Pictrividate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggenella advena (L) Ephidium excevatim (L) (T) Glomospira gordialis (L) Inner lininga (L)	3D/week9 - 33 4 4 400 968 00 00 00 00 00 00 00 00 00 00 00 00 00	3D/week1 B1 4 8 648 1768 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 5 1216 3944 0 0 0 0 0 0 0 0 0 0 0 0 0	3D/week3         B3           B3         6           6         6           7         1504           8         1920           9         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         2.5           1         6.38	2800 4000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 8 1904 2448 0 0.42 0 0.42 0 0.42 0 0.65 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 8 2808 3880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 8 1424 2760 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 1588 4000 0.51 0.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 1408 2512 C C C C C C C C C C C C C C C C C C C	5 6 2904 3992 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 1296 2688 0.62 0.59 0 0 0 0 0 0 0 0 0 0 0 0 0	3 7 1096 4312 0 0.37 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 6 1496 2216 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 1284 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 1912 3138 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PiotWidate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) Egpirdium excavatum (L) Glomospira gordialis (L) Inner linings (L)	3D/week9 	3D/wesk1 B1 4 8 6443 1768 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 6 6 1216 3944 0 0 0 0 0 0 0 0 0 0 0 0 0	30/week3         B3           B3         6           6         6           7         1504           4         1920           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           1         6.38           8         16.7	2800 4000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 8 8 8 8 9 1904 9 2448 9 0.42 9 0.42 9 0.05 9 0 0 0 0 0 0 0 0 0 0 0 0 0	7 8 2808 3880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 8 8 1424 2760 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 1588 4000 0.51 0.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 1408 2512 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 2904 3992 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 0 0 0 0 0 0 0 0 0 0 0 0 0	3 7 1096 4312 0 0.37 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 6 6 1496 2218 0 0 0 0 0 0 0 0 0 0 0 0 5 3 1.44 8.02 13.3	4 5 1284 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 1912 3138 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PictWdate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) (T) Ephidium excavatum (L) (Glomospire gordialis (L) (Inner linings (L) (Milliammina fusca (L) (T) (L)	3D/wsek3 - 33 4 4 4000 988 908 908 900 0 0 0 0 0 0 0 0 0 0	3D/wesk1 B1 4 8 648 1788 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 5 1216 3944 0 0 0 0 0 0 0 0 0 0 0 0 0	3D/week3         83           8         0           1         0           2         0           3         1504           4         1920           0         0           0	6 7 28000 4000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9	7 8 2808 3880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 8 8 8 1424 27800 0 0 0 0 0 0 0 0 0 0 0 0	6 7 1588 4000 0.51 0.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 1408 2512 C C C C C C C C C C C C C C C C C C C	5 6 2904 3992 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 7 12968 0.62 0.59 0 0 0 0 0 0 0 0 0 0 0 0 0	3 7 109e0 4312 0 0.37 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 6 6 1496 2216 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 1284 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 1912 3138 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Pict#/date Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) Egpiridium excevetum (L) (T) Blomospira gordialis (L) (T) Inner linings (L) (T) Milliammina fusca (L) (Ld) (T) (T)	3D/wset0 - 33 4 4000 608 00 00 00 00 00 00 00 00 00	SD/wesk1 B1 4 8 8 648 648 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 1216 3944 C C C C C C C C C C C C C	SD/week3         SD           B3         8         0           6         0         0           5         15040         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         1.6.38         16.7.9           3         16.7.42         15.4.4	6 7 2800 4000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2         8           8         8           1904         2448           0.42         0.42           0.00         0           0.00         0           0.2448         3.27           8.4         2.2448           0.42         3.27           8.4         200           8.4         200           8.4         200           8.54         8.54	7 8 2808 3880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 8 8 1424 2760 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 1588 4000 0.511 0.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 1408 2512 C C C C C C C C C C C C C C C C C C C	5 6 6 6 6 6 7 9 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 7 12868 0.62 0.59 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 7 1098 4312 0.37 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 6 6 2216 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 55 1284 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 1912 3136 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PictWdate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) (T) Elpridium excavatum (L) Glomospira gordialis (L) Inner linings (L) (Milliammina fusca (L) (T) Milliammina fusca (L) (Td) Pséudo.limetis (L)	3D/wsek3 - 3 4 4 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3D/wesk1 B1 4 8 648 648 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 6 1216 3944 C C C C C C C C C C C C C	SOlverek1         SOlverek1           B3         6         6           5         6         6           5         6         1504           6         1504         19200           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         5.42         15.42           1         15.4         15.4	6 7 2800 4000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 8 8 1904 0.42 0.45 0.042 0.05 0.05 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 8 2808 38800 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 8 8 1424 2760 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 1588 4000 0.51 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 1408 2512 C C C C C C C C C C C C C C C C C C C	5 6 8 9 9 9 9 9 9 9 9 9 9 9 9 9	B2 0 0 0 0 0 0 0 0 0 0 0 0 0	3 7 1098 4312 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 6 6 1496 2216 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 1284 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 1912 3136 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PiotWdate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerelia advena (L) Glomospira gordialis (L) (T) Inner linings (L) (L) Milliammina fusca (L) (Td) Pseudo.limetis (L) (Td)	3D/week0 - 33 4 400 988 00 0 0 0 0 0 0 0 0 0 0 0 0	5D/wesk1 B1 4 8 8 648 1768 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 6 1216 3944 CC CC CC CC CC CC CC CC CC	SOlverek1         SOlverek1           B3         6         6           6         6         6           8         6         6           8         1620         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         16.6         3           9         16.7         5.42           4         15.4         0           0         0         0	6 7 2800 4000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2         8           8         8           1904         2448           0.4248         0.655           0.00         0.00           0.00         0.00           0.02         0.00           0.035         0.02           0.042         3.27           8.4.0         200           0.02         0.02           0.035         0.544           0.042         0.02           0.055         0.02           0.000         0.00	7 8 2808 3880 0 0 0 0 0 0 0 0 1.14 1.86 19.7 3.13 17.3 17.3 15.5 0 0 0.21	C1 8 8 8 1424 2760 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 1568 4000 0.51 0.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 1408 2512 C C C C C C C C C C C C C C C C C C C	5 6 2904 3992 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 0 0 0 0 0 0 0 0 0 0 0 0 0	3 7 1099 4312 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 6 8 8 1496 2216 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 1284 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 1912 3136 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PictWdata Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggrerila advena (L) (T) Elphidium excavatum (L) (T) Glomospira gordialis (L) (Inner linings (L) (Inner linings (L) (Inner linings (L) (Inner linings (L) (T) Pseudo.limetis (L) (Thecamoebians (L)	3D/week0 - 3 4 4000 9686 0 0 0 0 0 0 0 0 0 0 0 0 0	3D/week1 B1 4 8 648 1768 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 24 5 1216 3944 0 0 0 0 0 0 0 0 0 0 0 0 0	B3         B3           8         6           5         6           6         1504           1504         1920           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	6 7 2800 4000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2         8           8         1904           2448         0.42           0.052         0.655           0         0.00           0         0.00           0         0.00           0         0.00           0         0.00           0         0.00           0         0.00           0         0.00           0         0.00           0         0.00           0         0.020           0         0.020           0         0.020           0         0.020	7 8 2808 3880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 8 8 1424 2760 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 1568 4000 0.51 0.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 5 5 5 5 5 5 5	5 6 28044 3992 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 6 7 7 8 8 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8	3 7 1099 4312 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 6 6 6 7 1496 2216 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 1284 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 1912 3138 0 0 0 0 0 0 0 0 0 0 0 0 0
PiotWdate Composite # Total # of species (L) /10cc (T) Eggerella advena (L) Eggerella advena (L) (T) Elphidium excavatum (L) Glomospira gordialis (L) Inner linings (L) (Inner linings (L) (T) Milliammina fusca (L) (T) Pseudo.limetis (L) (T) Thecamoebians (L) (T)	3D/week0 - 3 3 4 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0	5D/wesk1 B1 4 8 8 648 1788 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 6 1216 3944 0 0 0 0 0 0 0 0 0 0 0 0 0	B3         B3         B         B3         D3         D3 <thd3< th=""> <thd3< th="">         D3         D3<td>6 77 28000 00 00 00 00 00 00 00 00 00 00 00 00</td><td>A2         8           8         8           1904         2448           0.422         0.652           0.00         0           0.00         0           0.00         0           0.00         0           0.00         0           0.00         0           0.00         0           0.00         0           0.00         0           0.00         0           0.00         0           0.01         0.042           0.032         0.442</td><td>7 8 2606 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>C1 8 8 8 1424 2780 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>6 7 7 15686 4000 0.51 0.61 0.0 0 0 0 0 0 0 0 3.06 2.6 2.6 2.6 13.7 38.6 5.46 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>C2 5 5 5 5 5 5 5 5 5</td><td>5 6 2804 23092 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>B2 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>3 7 10686 4312 0.37 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A3 6 6 1496 2218 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>4 5 1284 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A1 5 5 1912 3138 0 0 0 0 0 0 0 0 0 0 0 0 0</td></thd3<></thd3<>	6 77 28000 00 00 00 00 00 00 00 00 00 00 00 00	A2         8           8         8           1904         2448           0.422         0.652           0.00         0           0.00         0           0.00         0           0.00         0           0.00         0           0.00         0           0.00         0           0.00         0           0.00         0           0.00         0           0.00         0           0.01         0.042           0.032         0.442	7 8 2606 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 8 8 8 1424 2780 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 7 15686 4000 0.51 0.61 0.0 0 0 0 0 0 0 0 3.06 2.6 2.6 2.6 13.7 38.6 5.46 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 5 5 5 5 5 5 5	5 6 2804 23092 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 0 0 0 0 0 0 0 0 0 0 0 0 0	3 7 10686 4312 0.37 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 6 6 1496 2218 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 1284 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 1912 3138 0 0 0 0 0 0 0 0 0 0 0 0 0
PictWdate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerelia advena (L) Eggerelia advena (L) (T) Ephidium excavatum (L) (T) Ephidium excavatum (L) (T) Inner linings (L) (T) Milliammina fusca (L) (T) Pseudo.limetis (L) (T) Thecamoebians (L) (T)	3D/week0 - 3 3 4 4000 9686 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3D/wesk1 B1 4 8 648 1788 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 24 5 1216 3944 C C C C C C C C C C C C C	B0         B3         B3<	6 77 28000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2         8           8         8           1904         8           1904         0.4248           0.4248         0.4248           0.420         0.65           0.00         0           0.00         0           0.00         0           0.00         0           0.00         0           0.00         0           0.00         0           0.00         0           0.00         0           0.01         0           0.02         0           0.042         0.33           0.02         0.02	7 8 2806 3880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 8 8 8 1424 2760 0 0 0 0 0 0 0 0 0 0 0 0 0	6 77 1568 4000 0.51 0.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 5 5 5 5 5 5 5	5 6 28044 23992 3992 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 6 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	3 7 100000 4312 0.377 0.03777 0.0377 0.000 0.050 0.050 0.000 0.050 0.0000 0.0000 0.00000000	A3 6 6 6 7 1496 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 1284 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 1912 3136 0 0 0 0 0 0 0 0 0 0 0 0 0
PiotWdate Composite # Total # of species (L) /10cc (T) Eggerella advena (L) Eggerella advena (L) (T) Elphidium excavatum (L) Glomospira gordialis (L) Inner linings (L) (Inner linings (L) (T) Milliammina fusca (L) (T) Pseudo.limetis (L) (T) Thecamoebians (L) (T)	3D/week9 - 3 3 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0	3D/wesk1 B1 4 8 8 8 8 4848 1768 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 24 26 21216 3944 0 C C C C C C C C C C C C C C	B3         0           B3         6         6           6         6         6           5         6         7           6         1920         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         16.42         15.42         15.42           0         0.053         0.053         1           0         0.053         1         0.422           0         0         0         0	6 77 28000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2         8           8         8           1904         2448           0.4248         0.4248           0.421         0.055           0.00         0           0.00         0           0.00         0           0.00         0           0.00         0.00           0.00         0.00           0.00         0.00           0.00         0.00           0.00         0.00           0.00         0.00           0.00         0.00           0.020         0.00           0.042         0.332           0.042         0.332	7 8 2806 3880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 8 8 8 1424 2760 0 0 0 0 0 0 0 0 0 0 0 0 0	6           7           1568           4000           0.61           0.68           0.00           0           0           0           0           0           0           0           0           0           0           2.66           2.65           368.65           369.65           0           0           0           0           0           0           0	C2 5 5 5 5 5 5 5 5 5	5 6 2804 2804 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 0 0 0 0 0 0 0 0 0 0 0 0 0	3 7 100804 4312 0.377 0.0377 0.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 6 6 1496 2218 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 1284 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 1912 3136 0 0 0 0 0 0 0 0 0 0 0 0 0
PiotWidate Composite # Total # of species (L) /10cc (T) Eggerella advena (L) (Total # of individuals (L) /10cc (T) Eggerella advena (L) (T) Elpividium excavatum (L) (Elpividium excavatum (L) (T) Glomospira gordialis (L) (T) Milliammina fusca (L) (T) Pseudo.limetis (L) (T) Thecamoebians (L) (T) Trocha.inflata (L)	3D/week0 - 3 3 4 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0	3D/wesk1 B1 4 8 648 1788 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 4 5 121616 3944 0 0 0 0 0 0 0 0 0 0 0 0 0	B0/week3           B3         0           6         0           5         0           6         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         1.8           0         0           0         1.6           0         0.53           0         0.53           0         0.0           0         0           0         0           0         0	6 7 7 2800 0 0 0 0 0 0 0 0 0 0 0 0	A2         8           8         8           1904         0.442           0.444         0.455           0.050         0.00           0.00         0.00           0.01         0.00           0.02         0.00           0.03         2.444           0.042         0.327           0.042         0.033           0.042         0.333           0.042         0.333           0.042         0.333	7 8 2806 3880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 8 8 8 1424 27600 0 0 0 0 0 0 0 0 0 0 0 0	6 77 1588 4000 0.51 0.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 5 5 5 5 5 5 5	5 6 2804 23092 3992 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8	3 7 100804 0.312 0.077 0.077 0.077 0.077 0.077 0.077 0.070 0.190 0.190 0.190 0.190 0.190 0.190 0.000 0.000 0.0000 0.00000 0.00000000	A3 6 6 6 7 1996 2216 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 1284 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 6 5 1912 3138 0 0 0 0 0 0 0 0 0 0 0 0 0
Pictrividate Composite # Total # of species (L). /10cc (T) Eggerella advena (L) Eggerella advena (L) (T) Elphidium excavatim (L) (T) Glomospira gordialis (L) (T) Milliammina fusca (L) (L) Peeudo.limetis (L) Thecamoebians (L) Thocha.inflata (L) (Ld)	3D/week9 - - 3 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0	3D/wesk1 B1 4 8 8 9 484 9 6 8 4 9 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 24 5 5 5 5 5 5 5 5 5 5 5 5 5	B3         B3<	6 7 28000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2         8           8         8           1904         8           1904         0.4248           0.4248         0.4248           0.4248         0.4248           0.4248         0.4248           0.4248         0.4248           0.00         0.00           0.00         0.00           0.00         0.00           0.00         0.00           0.00         0.00           0.00         0.00           0.0142         0.333           0.422         0.332           0.422         0.332           0.423         0.333	7 8 2806 3880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 8 8 8 1424 2760 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 1568 4000 0.51 0.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 5 5 5 5 5 5 5	5 6 6 6 7 8 9 9 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 6 6 6 6 6 6 6 6 6 6 6 6	3 7 1000 4312 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 6 6 1496 2216 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 1284 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 1912 3136 0 0 0 0 0 0 0 0 0 0 0 0 0
PiotWdate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) (T) Elphidium excavatum (L) (T) Glomospira gordialis (L) (T) Milliammina fusca (L) (T) Milliammina fusca (L) (T) Pséudo.ilmetis (L) (T) Thecamoebians (L) (T) Trocha.inflata (L) (T)	3D/week9 - 3 3 4 4 3 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0	3D/wesk1 B1 4 8 8 8 8 4848 1788 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 24 25 21816 3944 C C C C C C C C C C C C C	B3         6         6           5         6         6           6         6         6           1920         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         16.7           0         0.55.42         15.42           1         0.42         0           0         0.03         0           0         0.533         0           0         0.532         0           0         0.532         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0	6 7 28000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2         8           8         8           1904         0.43           0.444         0.442           0.050         0.00           0.00         0.00           0.00         0.00           0.00         0.00           0.00         0.00           0.00         0.00           0.00         0.00           0.00         0.00           0.00         0.00           0.00         0.042           0.033         0.422           0.333         1.28           0.033         0.420	7 8 2806 3880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 8 8 1424 27600 0 0 0 0 0 0 0 0 0 0 0 0	6           7           1588           4000           0.51           0.64           0           0           0           0           0           0           0           0           0           0           2.6           5.48           0	C2 5 5 1408 2512 C C C C C C C C C C C C C C C C C C C	5 6 2804 23992 3992 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8	3 7 10000 4312 4312 4312 0.377 0.077 0.077 0.077 0.077 0.070 0.000 0.0100 0.0100 0.0000 0.0000 0.00000 0.00000000	A3 6 6 6 6 6 6 7 2216 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 1284 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 1912 3138 0 0 0 0 0 0 0 0 0 0 0 0 0
PiotWidate Composite # Total # of species (L) /10cc (T) Eggerella advena (L) (Total # of individuals (L) /10cc (T) Eggerella advena (L) (T) Elphidium excavatum (L) Glomospira gordialis (L) (Glomospira gordialis (L) (T) Milliemmina fusca (L) (T) Pseudo.limetis (L) (T) Thecamoeblans (L) (T) Thotrocha comprimata (L) (T) Trocha.inflata (L) (G) (T)	3D/week0 - 3 3 4 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0	3D/wesk1 B1 4 8 648 648 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 24 25 21216 3944 0 0 0 0 0 0 0 0 0 0 0 0 0	B0         B3         6           B3         6         6           5         6         6           5         15044         1920           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0	6 7 28000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2         8           8         8           1904         0.424           0.455         0.655           0.00         0.00           0.00         0.00           0.00         0.00           0.00         0.00           0.00         0.00           0.00         0.00           0.00         0.00           0.01         0.00           0.02         0.033           0.030         0.042           0.033         1.020           0.00         0.00           0.00         0.00	7 8 2800 3880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 8 8 8 1424 2760 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 1568 4000 0.515 0.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 5 5 5 5 5 5 5	5         6           6         6           28040         3992           0         0	B2 6 6 6 6 6 6 6 6 6 6 6 6 6	3 7 1000 0 0 0 0 0 0 0 0 0 0 0 0	A3 6 6 6 7 1996 2216 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 1284 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 1912 3138 0 0 0 0 0 0 0 0 0 0 0 0 0
PictWdate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) (T) Egprella advena (L) (T) Elpridium excavatum (L) (T) Glomospira gordialis (L) (T) Milliammina fusca (L) (T) Milliammina fusca (L) (T) Pséudo.limetis (L) (T) Thecamoebians (L) (T) Trocha.inflata (L) (T)	3D/week9 - 3 3 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0	3D/wesk1 B1 4 8 8 8 8 8 8 8 8 9 8 8 9 8 9 0 0 0 0 0 0	D4 24 25 21216 3944 3944 C C C C C C C C C	B3         6         6           6         6         6           6         6         6           1         1504         1920           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         16.6.38         16.7.2           0         0.53.42         15.42           0         0.03         0.03           0         0.03         0.03           0         0.03         0.03           0         0         0           0         0         0           0         0         0	6 7 28000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2         8           8         8           1904         8           1904         0.4248           0.4248         0.4248           0.4248         0.4248           0.4248         0.4248           0.4248         0.4248           0.00         0.00           0.00         0.00           0.00         0.00           0.00         0.00           0.00         0.00           0.0142         0.333           1.260         0.422           0.033         1.260           0.098         0.00	7 8 2806 3880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 8 8 8 1424 2760 0 0 0 0 0 0 0 0 0 0 0 0 0	6           7           1568           4000           0.51           0.6           0	C2 5 5 5 5 5 5 5 5 5	5 6 6 6 6 6 6 6 7 8 9 9 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 6 6 6 6 6 6 6 6 6 6 6 6	3 7 1000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 6 6 7 1496 2216 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 1284 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 1912 3136 0 0 0 0 0 0 0 0 0 0 0 0 0
PiotWdate Composite # Total # of species (L) /10cc (T) Eggerella advena (L) Eggerella advena (L) Elphidium excavatum (L) Elphidium excavatum (L) Glomospira gordialis (L) Inner linings (L) Milliammina fusca (L) (T) Milliammina fusca (L) (T) Thecamoeblans (L) (T) Thotroche comprimata (L) (T) Trocha.inflata (L) (T) Trocha.macrescens (L) (T)	3D/week0 - 3 4 4 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0	3D/wesk1 B1 4 8 8 8 4848 1788 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4	B3         6         6           5         6         6           5         6         6           5         6         6           6         7         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0	6 7 28000 40000 0 0 0 0 0 0 0 0 0 0 0 0	A2         8           8         8           1904         0.424           0.444         0.424           0.055         0.00           0.00         0.00           0.00         0.00           0.010         0.00           0.02444         0.424           0.03         2.644           0.042         0.327           0.042         0.333           0.042         0.333           0.042         0.333           0.065         0.00           0.085         0.085           0.085         0.085           0.085         0.095           0.090         0.00	7 8 2806 3860 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 8 8 8 1424 27600 0 0 0 0 0 0 0 0 0 0 0 0	0           7           1588           4000           0.51           0.64           0	C2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5 6 2804 2804 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8	3 7 100804 0.372 0.377 0.0.77 0.0.70 0.00 0.00 0.00 0.00	A3 6 6 6 6 6 6 7 2216 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 1284 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 1912 3138 0 0 0 0 0 0 0 0 0 0 0 0 0
Pictrividate Composite # Total # of species (L). /10cc (T) Eggerella advena (L) Eggerella advena (L) (T) Ephidium excavatim (L) (T) Glomospira gordialis (L) (T) Milliammina fusca (L) (L) Thecamoebians (L) Thecamoebians (L) Thocha.inflata (L) (T) Trocha.inflata (L) (T) Trocha.macrescens (L) Trocha.macrescens (L)	390week9 - - 3 4 4 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0	SD/wesk1           B1           4           8           6484           1768           0	D4 24 5 5 5 5 5 5 5 5 5 5 5 5 5	B3         6         6           5         6         6           6         6         6           7         15044         1920           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         16.7         6.33           16.7         6.33         16.7           0         0         0         0           0         0.53         16.7           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0 <td< td=""><td>6 7 28000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A2         8           8         8           1904         0.4246           0.446         0.4246           0.055         0.00           0.00         0.00           0.00         0.00           0.01         0.00           0.02         0.00           0.033         0.424           0.033         0.422           0.033         0.422           0.033         0.422           0.033         0.422           0.033         0.423           0.080         0.080           0.080         0.080           0.080         0.080           0.090         0.090</td><td>7 8 2806 3880 0 0 0 0 0 0 0 0 0 0 0 1 1.14 1.86 1.97 3.13 1.7.3 1.5.5 0 0.21 0.28 0.22 0.28 0.22 0.22 0.22 0.22 0.22</td><td>C1 8 8 8 1424 2760 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>6 7 1568 4000 0.51 0.6 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>C2 5 5 5 5 5 5 5 5 5</td><td>5 6 6 6 6 6 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7</td><td>B2 6 6 6 7 6 6 6 6 6 6 6 6 6 6 6 6 6</td><td>3 7 1000 4312 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A3 6 6 6 7 1496 2216 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>4 5 5 1284 1848 1848 0 0 0 0 0 0 0 0 0 0 0 1.27 2.6 11.5 14.3 0.09 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A1 6 5 1912 3136 0 0 0 0 0 0 0 0 0 0 0 0 0</td></td<>	6 7 28000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2         8           8         8           1904         0.4246           0.446         0.4246           0.055         0.00           0.00         0.00           0.00         0.00           0.01         0.00           0.02         0.00           0.033         0.424           0.033         0.422           0.033         0.422           0.033         0.422           0.033         0.422           0.033         0.423           0.080         0.080           0.080         0.080           0.080         0.080           0.090         0.090	7 8 2806 3880 0 0 0 0 0 0 0 0 0 0 0 1 1.14 1.86 1.97 3.13 1.7.3 1.5.5 0 0.21 0.28 0.22 0.28 0.22 0.22 0.22 0.22 0.22	C1 8 8 8 1424 2760 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 1568 4000 0.51 0.6 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 5 5 5 5 5 5 5	5 6 6 6 6 6 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7	B2 6 6 6 7 6 6 6 6 6 6 6 6 6 6 6 6 6	3 7 1000 4312 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 6 6 6 7 1496 2216 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 5 1284 1848 1848 0 0 0 0 0 0 0 0 0 0 0 1.27 2.6 11.5 14.3 0.09 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 6 5 1912 3136 0 0 0 0 0 0 0 0 0 0 0 0 0
PictWdate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggrerila advena (L) (T) Eggrerila advena (L) (T) Glomospira gordialis (L) (T) Miliammina fusca (L) (T) Miliammina fusca (L) (T) Thecamoebians (L) (T) Trocha.inflata (L) (T) Trocha.macrescens (L) (T) Trocha.macrescens (L) (T) Trocha.macrescens (L) (T)	3D/week9 - 3 3 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0	3D/wesk1 B1 4 8 8 8 8 4848 1768 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 24 25 21216 3944 3944 0 0 0 0 0 0 0 0 0	B3         6         6           6         6         6           5         6         6           6         6         7           7         7         7           7         5         4           8         1620         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         16.42         15.42           15.42         15.42         10.42           0         0.033         0.033           0         0.032         0.042           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0	6 7 28000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2         8           8         8           1904         8           1904         0.4248           0.4248         0.4248           0.4248         0.4248           0.4248         0.4248           0.4248         0.4248           0.00         0.00           0.00         0.00           0.00         0.00           0.00         0.00           0.00         0.00           0.0142         0.333           1.260         0.042           0.033         1.260           0.00         0.098           0.00         0.098           0.00         0.00           0.00         0.00	7 8 2806 3880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 8 8 1424 27600 0 0 0 0 0 0 0 0 0 0 0 0	6           7           1568           4000           0.51           0.64           0           0           0           0           0           0           0           0           0           0           0           2.6           2.7           3.6.6           0	C2 5 5 5 2512 2512 0 C C C C C C C C C C C C C C C C C C	5 6 6 6 6 6 6 6 6 7 8 9 9 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8	3 7 10060 4312 4312 4312 0.377 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 6 6 6 7 2216 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 1284 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 1912 3138 0 0 0 0 0 0 0 0 0 0 0 0 0
PictWdate Composite # Total # of species (L) /10cc (T) Eggerella advena (L) Eggerella advena (L) (Total # of individuals (L) /10cc (T) Egpidium excavatum (L) Elpiidium excavatum (L) Glomospira gordialis (L) (Inner linings (L) (Inner linings (L) (Inner linings (L) (Inner linings (L) (Inner linings (L) (Total (L) (Total (L) (Total (L) (Total (L) (Total (L) (Total (L) (Total (L) (L) (Total (L) (L) (Total (L) (L) (L) (L) (L) (L) (L) (L) (L) (L)	3D/week0 - 3 3 4 4 400 9088 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3D/wesk1 B1 4 8 8 8 8 8 8 8 8 8 8 9 8 9 8 8 5 9 8 8 5 9 8 8 5 9 8 8 5 9 8 8 5 9 8 8 5 9 8 8 9 8 8 9 8 9	D4	B0/week3           B3         0           6         0           5         0           6         0           0         0      0         0      0	6 7 28000 0 0 0 0 0 0 0 0 0 2 8 9 2 8 9 2 8 9 2 8 9 2 8 9 2 8 9 2 8 9 2 8 9 2 8 9 2 8 9 2 8 9 2 8 9 2 8 9 2 8 9 2 8 9 2 8 9 2 8 9 2 8 9 2 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2         8           8         8           1904         0.424           0.455         0.655           0.00         0.00           0.00         0.00           0.00         0.00           0.00         0.00           0.00         0.00           0.00         0.00           0.00         0.00           0.01         0.00           0.020         0.033           0.0422         0.333           0.0422         0.333           0.098         0.098           0.00         0.00           0.01         0.01           0.01         0.01           0.01         0.01           0.020         0.01           0.033         0.042           0.033         0.042           0.034         0.098           0.098         0.00           0.011         0.020	7 8 2806 3880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 8 8 8 8 8 8 8 8 8 8 8 9 1424 1425 15 12 12 12 12 12 12 12 12 12 12	6 7 1568 4000 0.51 0.61 0.6 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 5 5 5 5 5 5 5	5 6 6 6 6 6 6 6 6 6 6 6 6 6	B2 6 6 6 7 6 6 6 7 7 2 8 6 6 7 8 7 8 6 7 8 8 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 8 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8	3 7 1000 4312 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 6 6 6 6 6 6 6 7 5 6 6 6 6 6 6 6 6 6 6 6 6 6	4 5 5 1284 1848 1848 0 0 0 0 0 0 0 0 0 0 0 1.27 2.6 11.5 14.3 0.09 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 1912 3138 0 0 0 0 0 0 0 0 0 0 0 0 0
PietWdata Composite # Total # of species (L) /10cc (T) Eggrerila advena (L) Eggrerila advena (L) (T) Egprerila advena (L) (T) Blomospira gordialis (L) (T) Miliammina fusca (L) (T) Miliammina fusca (L) (T) Pseudo.limetis (L) (T) Thecamosbians (L) (T) Trocha.inflata (L) (To (T) Trocha.macrescens (L) (C) (T) (Tocha.macrescens (L) (C) (T) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C	3D/week9 - - 3 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0	3D/wesk1 B1 4 8 8 8 8 8 8 8 8 9 8 8 9 0 0 0 0 0 0 0 0	D4	B3         B3           B3         8         6           5         6         6           5         6         7           6         1504         1920           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         16.43         16.43           0         0         0           0         0.53         1.25           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0 <td>6 7 28000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A2         8           8         8           1904         8           1904         0.4248           0.4248         0.4248           0.4248         0.4248           0.4248         0.4248           0.4248         0.055           0.00         0.00           0.00         0.00           0.01         0.00           0.02         0.02           0.033         0.422           0.033         0.422           0.030         0.422           0.030         0.422           0.030         0.423           0.038         0.424           0.038         0.424           0.039         0.424           0.031         0.424           0.033         0.424           0.038         0.424           0.038         0.424           0.042         0.033           0.051         79.1           0.633         0.634</td> <td>7 8 2806 3880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>C1 8 8 8 1424 2760 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>6           7           1568           4000           0.51           0.64           0           0           0           0           0           0           0           0           0           0           0           0           28           0</td> <td>C2 5 5 5 5 5 5 5 5 5</td> <td>5 6 6 6 6 6 6 6 7 8 9 9 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>B2 6 6 6 7 6 6 6 6 6 6 6 6 6 6 6 6 6</td> <td>3 7 1000 4312 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A3 6 6 1496 2216 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>4 5 5 1284 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1.27 2.8 14.3 15 14.3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A1 5 1912 3136 0 0 0 0 0 0 0 0 0 0 0 0 0</td>	6 7 28000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2         8           8         8           1904         8           1904         0.4248           0.4248         0.4248           0.4248         0.4248           0.4248         0.4248           0.4248         0.055           0.00         0.00           0.00         0.00           0.01         0.00           0.02         0.02           0.033         0.422           0.033         0.422           0.030         0.422           0.030         0.422           0.030         0.423           0.038         0.424           0.038         0.424           0.039         0.424           0.031         0.424           0.033         0.424           0.038         0.424           0.038         0.424           0.042         0.033           0.051         79.1           0.633         0.634	7 8 2806 3880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 8 8 8 1424 2760 0 0 0 0 0 0 0 0 0 0 0 0 0	6           7           1568           4000           0.51           0.64           0           0           0           0           0           0           0           0           0           0           0           0           28           0	C2 5 5 5 5 5 5 5 5 5	5 6 6 6 6 6 6 6 7 8 9 9 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 6 6 7 6 6 6 6 6 6 6 6 6 6 6 6 6	3 7 1000 4312 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 6 6 1496 2216 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 5 1284 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1.27 2.8 14.3 15 14.3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 1912 3136 0 0 0 0 0 0 0 0 0 0 0 0 0
PictWdate Composite # Total # of species (L). /10cc (T). Total # of individuals (L). /10cc (T). Eggrerila advena (L). Eggrerila advena (L). Eggrerila advena (L). Eggrerila advena (L). (T). Elpridium excavatum (L). (T). Glomospira gordialis (L). (T). (Total minings (L). (T). (Total minings (L). (T). (Total metis (L). (T). Thecamoebians (L). (T). Trocha.inflata (L). (T). Trocha.macrescens (L). (T). Trocha.macrescens (L). (Tocha.macrescens (L).	3D/week0 - - - - - - - - - - - - -	SD/wesk1           B1           4           8           6484           1768           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           1.81           0           0           0           0           0           0.455           3.7           0 <tr< td=""><td>D4</td><td>B3         B3           B3         8         6           5         6         6           5         6         6           6         6         6           1920         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         15.42           1         15.42         1           0         0         0           0         0.053         1           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0</td><td>6 7 28000 40000 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A2         8           8         8           1904         0.442           0.4444         0.442           0.055         0.050           0.00         0.00           0.01         0.00           0.024         0.442           0.032         0.442           0.033         0.424           0.033         1.426           0.042         0.333           0.042         0.333           0.042         0.333           0.042         0.033           0.051         0.00           0.051         0.00           0.051         79:1           0.051         79:1           0.424         4.22</td><td>7 8 2808 3880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>C1 8 8 8 1424 27600 0 0 0 0 0 0 0 0 0 0 0 0</td><td>6           7           1588           4000           0.51           0.6           0           0           0           0           0           0           0           0           0           0           0           3.06           5.48           0</td><td>C2 5 5 5 5 5 5 5 5 5</td><td>5 6 6 6 6 6 6 6 6 6 7 8 9 9 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>B2         6           0         0         0           1290         0.62         0.62           0.63         0.62         0.62           0.63         0.62         0.62           0.63         0.62         0.62           0.62         0.62         0.62           0.00         0         0         0           0.01         0.02         0         0           0.02         0.02         0         0           0.02         0.02         0         0           0.03         0.577         0.65.56         0           0.03         0.02         0.02         0.03           0.03         0.03         0.03         0.03           0.03         0.03         0.03         0.03           0.04         0.05         0.03         0.03           0.05         0.03         0.03         0.03           0.05         0.03         0.03         0.03         0.03           0.05         0.03         0.03         0.03         0.03           0.05         0.03         0.03         0.03         0.03           0.05         0.03</td><td>3 7 10080 4312 4312 0.377 0.077 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A3 6 6 6 6 6 6 6 7 2216 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>4 5 1284 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A1 5 1912 3138 0 0 0 0 0 0 0 0 0 0 0 0 0</td></tr<>	D4	B3         B3           B3         8         6           5         6         6           5         6         6           6         6         6           1920         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         15.42           1         15.42         1           0         0         0           0         0.053         1           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0	6 7 28000 40000 0 0 0 0 0 0 0 0 0 0 0 0	A2         8           8         8           1904         0.442           0.4444         0.442           0.055         0.050           0.00         0.00           0.01         0.00           0.024         0.442           0.032         0.442           0.033         0.424           0.033         1.426           0.042         0.333           0.042         0.333           0.042         0.333           0.042         0.033           0.051         0.00           0.051         0.00           0.051         79:1           0.051         79:1           0.424         4.22	7 8 2808 3880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 8 8 8 1424 27600 0 0 0 0 0 0 0 0 0 0 0 0	6           7           1588           4000           0.51           0.6           0           0           0           0           0           0           0           0           0           0           0           3.06           5.48           0	C2 5 5 5 5 5 5 5 5 5	5 6 6 6 6 6 6 6 6 6 7 8 9 9 0 0 0 0 0 0 0 0 0 0 0 0 0	B2         6           0         0         0           1290         0.62         0.62           0.63         0.62         0.62           0.63         0.62         0.62           0.63         0.62         0.62           0.62         0.62         0.62           0.00         0         0         0           0.01         0.02         0         0           0.02         0.02         0         0           0.02         0.02         0         0           0.03         0.577         0.65.56         0           0.03         0.02         0.02         0.03           0.03         0.03         0.03         0.03           0.03         0.03         0.03         0.03           0.04         0.05         0.03         0.03           0.05         0.03         0.03         0.03           0.05         0.03         0.03         0.03         0.03           0.05         0.03         0.03         0.03         0.03           0.05         0.03         0.03         0.03         0.03           0.05         0.03	3 7 10080 4312 4312 0.377 0.077 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 6 6 6 6 6 6 6 7 2216 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 1284 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 1912 3138 0 0 0 0 0 0 0 0 0 0 0 0 0
PictWdata Composite # Composite # Total # of species (L) /10cc (T) Eggreella advena (L) (T) Eggreella advena (L) (T) Eghidium excavatum (L) (T) Glomospira gordialis (L) (T) Milliammina fusca (L) (T) Milliammina fusca (L) (T) Pseudo.limetis (L) (T) Thecamoebians (L) (T) Trocha.inflata (L) (To (T) Trocha.macrescens (L) (C) (T) (Tocha.macrescens (L) (C) (T) (T) (C) (T) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C	3D/week9 - - 3 4 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0	SD/wesk1           B1           4           8           6484           1768           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           1.81           0           0           0           0           0           0.455           3.7           0 <tr< td=""><td>D4</td><td>B3         B3           B3         8         6           5         6         6           5         6         6           6         6         6           1920         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         15.42           1         15.42         1           0         0         0           0         0.053         1           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0</td><td>6 7 28000 40000 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A2         8           8         8           1904         0.442           0.4444         0.442           0.055         0.050           0.00         0.00           0.01         0.00           0.024         0.442           0.032         0.442           0.033         0.424           0.033         1.426           0.042         0.333           0.042         0.333           0.042         0.333           0.042         0.033           0.051         0.00           0.051         0.00           0.051         79:1           0.051         79:1           0.424         4.22</td><td>7 8 2806 3880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>C1 8 8 8 1424 27600 0 0 0 0 0 0 0 0 0 0 0 0</td><td>6           7           1588           4000           0.51           0.64           0           &lt;</td><td>C2 5 5 5 5 5 5 5 5 5</td><td>5 6 6 6 6 6 6 6 6 6 7 8 9 9 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>B2 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8</td><td>3 7 10080 4312 4312 0.377 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A3 6 6 6 6 6 6 6 7 2216 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>4 5 5 1284 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1.27 2.8 14.3 15 14.3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A1 5 1912 3136 0 0 0 0 0 0 0 0 0 0 0 0 0</td></tr<>	D4	B3         B3           B3         8         6           5         6         6           5         6         6           6         6         6           1920         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         15.42           1         15.42         1           0         0         0           0         0.053         1           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0	6 7 28000 40000 0 0 0 0 0 0 0 0 0 0 0 0	A2         8           8         8           1904         0.442           0.4444         0.442           0.055         0.050           0.00         0.00           0.01         0.00           0.024         0.442           0.032         0.442           0.033         0.424           0.033         1.426           0.042         0.333           0.042         0.333           0.042         0.333           0.042         0.033           0.051         0.00           0.051         0.00           0.051         79:1           0.051         79:1           0.424         4.22	7 8 2806 3880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 8 8 8 1424 27600 0 0 0 0 0 0 0 0 0 0 0 0	6           7           1588           4000           0.51           0.64           0           <	C2 5 5 5 5 5 5 5 5 5	5 6 6 6 6 6 6 6 6 6 7 8 9 9 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8	3 7 10080 4312 4312 0.377 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 6 6 6 6 6 6 6 7 2216 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 5 1284 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1.27 2.8 14.3 15 14.3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 1912 3136 0 0 0 0 0 0 0 0 0 0 0 0 0
PictWdate Composite # Total # of species (L). /10cc (T). Total # of individuals (L). /10cc (T). Eggrerila advena (L). Eggrerila advena (L). Eggrerila advena (L). Eggrerila advena (L). (T). Elpridium excavatum (L). (T). Glomospira gordialis (L). (T). (Total minings (L). (T). (Total minings (L). (T). (Total metis (L). (T). Thecamoebians (L). (T). Trocha.inflata (L). (T). Trocha.macrescens (L). (T). Trocha.macrescens (L). (Tocha.macrescens (L).	3D/week0 - - - - - - - - - - - - -	SD/wesk1           B1           4           8           6484           1768           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           1.81           0           0           0           0           0           0.455           3.7           0 <tr< td=""><td>D4</td><td>B3         6         6           B3         6         6           5         6         6           5         1520         0           0         0         0<td>6 7 28000 0 0 0 0 0 0 2 2 6 9 9 2 6 9 9 2 6 9 9 2 6 9 9 2 6 9 9 2 6 9 9 2 6 9 9 2 6 9 9 2 6 9 9 2 6 9 9 14.5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A2         8           8         8           1904         0.42           0.050         0.050           0.000         0.000           0.000         0.000           0.000         0.000           0.000         0.000           0.000         0.000           0.000         0.000           0.000         0.000           0.000         0.000           0.0100         0.042           0.0330         0.422           0.0330         0.423           0.0331         1.280           0.042         0.0333           0.042         0.0333           0.042         0.0333           0.042         0.0333           0.042         0.0333           0.042         0.0333           0.042         0.0333           0.042         0.0333           0.042         0.0333           0.042         0.0333           0.042         0.0333           0.054         0.042           0.054         0.054           0.054         0.054           0.054         0.054           0.051</td><td>7 8 2808 3880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>C1 8 8 1424 2760 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>6           7           1568           4000           0.51           0.6           0           <t< td=""><td>C2 5 5 6 2512 2512 C C C C C C C C C C C C C C C C C C C</td><td>5         6           2804         2804           3992         0           0         0</td><td>B2 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8</td><td>3           3           7           10000           0.377           0.0  <td>A3 6 6 6 7 2216 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>4 5 1284 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A1 5 1912 3138 0 0 0 0 0 0 0 0 0 0 0 0 0</td></td></t<></td></td></tr<>	D4	B3         6         6           B3         6         6           5         6         6           5         1520         0           0         0         0 <td>6 7 28000 0 0 0 0 0 0 2 2 6 9 9 2 6 9 9 2 6 9 9 2 6 9 9 2 6 9 9 2 6 9 9 2 6 9 9 2 6 9 9 2 6 9 9 2 6 9 9 14.5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A2         8           8         8           1904         0.42           0.050         0.050           0.000         0.000           0.000         0.000           0.000         0.000           0.000         0.000           0.000         0.000           0.000         0.000           0.000         0.000           0.000         0.000           0.0100         0.042           0.0330         0.422           0.0330         0.423           0.0331         1.280           0.042         0.0333           0.042         0.0333           0.042         0.0333           0.042         0.0333           0.042         0.0333           0.042         0.0333           0.042         0.0333           0.042         0.0333           0.042         0.0333           0.042         0.0333           0.042         0.0333           0.054         0.042           0.054         0.054           0.054         0.054           0.054         0.054           0.051</td> <td>7 8 2808 3880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>C1 8 8 1424 2760 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>6           7           1568           4000           0.51           0.6           0           <t< td=""><td>C2 5 5 6 2512 2512 C C C C C C C C C C C C C C C C C C C</td><td>5         6           2804         2804           3992         0           0         0</td><td>B2 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8</td><td>3           3           7           10000           0.377           0.0  <td>A3 6 6 6 7 2216 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>4 5 1284 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A1 5 1912 3138 0 0 0 0 0 0 0 0 0 0 0 0 0</td></td></t<></td>	6 7 28000 0 0 0 0 0 0 2 2 6 9 9 2 6 9 9 2 6 9 9 2 6 9 9 2 6 9 9 2 6 9 9 2 6 9 9 2 6 9 9 2 6 9 9 2 6 9 9 14.5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2         8           8         8           1904         0.42           0.050         0.050           0.000         0.000           0.000         0.000           0.000         0.000           0.000         0.000           0.000         0.000           0.000         0.000           0.000         0.000           0.000         0.000           0.0100         0.042           0.0330         0.422           0.0330         0.423           0.0331         1.280           0.042         0.0333           0.042         0.0333           0.042         0.0333           0.042         0.0333           0.042         0.0333           0.042         0.0333           0.042         0.0333           0.042         0.0333           0.042         0.0333           0.042         0.0333           0.042         0.0333           0.054         0.042           0.054         0.054           0.054         0.054           0.054         0.054           0.051	7 8 2808 3880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 8 8 1424 2760 0 0 0 0 0 0 0 0 0 0 0 0 0	6           7           1568           4000           0.51           0.6           0 <t< td=""><td>C2 5 5 6 2512 2512 C C C C C C C C C C C C C C C C C C C</td><td>5         6           2804         2804           3992         0           0         0</td><td>B2 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8</td><td>3           3           7           10000           0.377           0.0  <td>A3 6 6 6 7 2216 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>4 5 1284 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A1 5 1912 3138 0 0 0 0 0 0 0 0 0 0 0 0 0</td></td></t<>	C2 5 5 6 2512 2512 C C C C C C C C C C C C C C C C C C C	5         6           2804         2804           3992         0           0         0	B2 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8	3           3           7           10000           0.377           0.0 <td>A3 6 6 6 7 2216 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>4 5 1284 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A1 5 1912 3138 0 0 0 0 0 0 0 0 0 0 0 0 0</td>	A3 6 6 6 7 2216 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 1284 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 1912 3138 0 0 0 0 0 0 0 0 0 0 0 0 0

**Table A-7**Table of results for foraminiferal occurrences for Treatment E (Oiled plot<br/>with nutrient enrichment and cut plants), Plot 1 and 2, for weeks 0-22.<br/>Same format as Table A-1.

														and the second se		
TREATMENT 1E			nt enrichm	ent and cut	plants											
Composite #	1E/week0	1E/week1 B1	D4	1E/week3 B3	F6	1E/week5 A2	F4	1E/weeks C1	E5	1E/week10	=	1E/week14 B2	FS	1E/week18	D6	1E/week22 A1
Total # of species (L)	- 8	3	-	7	6			6		C2	E4 5			A3 5		A1
/10cc (T)	8			10				8	8		7	8			7	8
Total # of individuals (L)	1800	4304	5784		3484			6688	6720						3352	1560
/10cc (T)	6192	9808	11480	8248	6538	6928	9216	10360	9912	7760			7032	5040	6072	4592
Eggerella advena (L)	0							0	0					0		0
<u>()</u>	0								0					0		0
Elphidium excavatum (L)	0															
(T) Glomospira gordialis (L)	0.44															0
(T)	0.13				0											0
Inner linings (L)	0.10	ő			0.48				0.12			1.4		1.59	0.48	0
(T)	0.28	0			0.88			1.18	0.73						0.53	1.05
Milliammina fusca (L)	28.4	27.1	24.3	25.7	29.3	34	38.2	35.7	40.6		54.6					19
(Ld)	1.58	21.2	11.4					15.3	12.3			11.1				
<u>()</u>	58,1		35.4					33.7	37							
(Td) Pseudo.limetis (L)	1.38				13.7			13				9.39				8.02
(T)	0							0				0				0
Thecamoebians (L)	0											0				
(T)	0.13			0.39				0.08				0				
Tiphotrocha comprimata (L)	0.44							0.12	0.12			0				
0	0.20		-					0.08								
Trocha.inflata (L)	0							5.92								4.1
(Ld) (T)	0							5.48								
(bT)	Ő				0.64			0.40	0.51							
Trocha.macrescens (L)	0						0	0								
U.	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0
Troche.mac.polystoma (L)	59.1	69.3														
(Ld)	0				1.95			0.7	1.43			1.95				
(T) (bT)	35				48.8			56.9	51.8					58.3		
Trocha.ochracea (L)	0.89															
(T)	2.45								1.78							
<u>\//</u>	2.40	1.71			1.41	1.00	1.04		1.70		0.00		1	1.10		0.01
Ostracods (T#)	138	258	216	112	88	8	16	152	48	C	16	C	16	18	8	18
TREATMENT 2E			nt enrichm	nent and cut	plants											
Plot#date		2E/week1		2K/week3		2E/weekő	EA	2E/week8		2E/week10	EA	2E/week14	EA	2E/week18	De	2E/week22
Plot#date Composite #	2E/week0	28/week1 B1	D4	28/week3 B3	F6	A2	F4 6	C1	E5 5	C2	E4 5	B2	F6	A3	D6 5	A1
Plot#date		28/week1 B1	D4	2E/week3 B3 6	F6 6	A2 5	6			C2	5	B2 6	e e	A3 5	5	A1 5
Plot#date Composite # Total # of species (L)	2E/week0 - 5 7 600	2E/week1 B1 0 9 1752	D4	28/week3 B3 3 6 3 8 4 1792	F6 6 8 1480	A2 5 5 2256	6 7 1640	C1 5 7	5 6 1984	C2	5 5 2 2176	B2 6 1904	8 6 8 6 1 3656	A3 5 5 1552	5 7 1176	A1 5 1232
Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T)	2E/week0 - 5 7 600 1728	28/week1 B1 6 9 1752 5312	D4	28/week3 B3 6 8 6 8 8 4 1792 8 3424	F6 6 8 1480 2808	A2 5 2256 3360	6 6 7 1640 2280	C1 5 7 1680 3472	5 6 1984 2936	C2 2432 3816	5 5 2 2176 2920	B2 6 1904 3112	3656 3656 25248	A3 5 5 1552 3088	5 7 1176 2552	A1 5 5 1232 2544
Plot#date Composite # Total # of species (L) /10cc (T) 70tal # of individuals (L) /10cc (T) Eggerella advena (L)	2E/week0 	2E/week1 B1 9 1752 5312 0	D4	28/week3 B3 6 3 6 3 8 4 1792 3 3424 0 0	F6 6 1480 2808 0	A2 5 2256 3360	6 7 1840 2280 0 0	C1 5 7 1680 3472 0	5 6 1984 2936 0	C2 6 6 7 2432 8 3616 0 0.66	5 5 2 2176 2 2920 0 0	B2 6 1904 3112 2.1	3 6 3 6 1 3656 2 5248 1 0.22	A3 5 5 1552 1552 3088 2 0	5 7 1176 2552 0	A1 5 5 1232 2544 0
Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) (T)	2E/week0 - 5 7 600 1728 0 0	2E/week1 B1 99 1752 5312 00 00	D4	28/week3 B3 6 3 6 3 8 4 1792 3 3424 0 0 0	F6 6 1480 2808 0 0	A2 5 2256 3360 0 0	6 7 1640 2280 0 0 0.35	C1 5 7 1680 3472 0 0	5 6 1984 2936 0 0	C2 6 6 7 2432 8 3616 0 0.66 0 0.66	5 5 2 2176 2 2920 0 0 0 0	B2 6 1904 3112 2.1 1.25	8 6 8 6 1 3656 2 5246 0.22 9 0.3	A3 5 1552 3088 2 0 5 0 0	5 7 1176 2552 0 0.31	A1 5 5 1232 2544 0 0
Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) (T) Elphidium excevatum (L)	2E/week0 - 5 7 600 1728 0 0 0 0 0	2E/week1 B1 0 9 1752 5312 0 0 0 0	D4	2II/week3         B3           B         6           B         8           A         1792           B         3424           D         0           D         0	F6 6 1480 2808 0 0 0 0	A2 55 2256 3360 0 0 0 0 0 0 0 0	6 77 1640 2280 0 0 0.35 0 0	C1 5 7 1680 3472 0 0 0 0	5 6 1984 2936 0 0 0 0 0 0 0	C2 2432 3616 0 0.66 0 0.66	5 2 2176 2 2920 0 00 0 00	B2 6 1904 3112 2.1 1.25	3 6 3 6 3 3656 2 5248 0.22 0 0.3 0 0.3 0 0.3	A3 5 1552 3088 2 0 5 0 0 0 0 0	5 7 1176 2552 0 0.31	A1 5 5 1232 2544 0 0 0 0
Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) (T) Ejphidium excavatum (L) (T)	2E/week0 - 7 600 1728 0 0	2E/week1 B1 0 9 1752 5312 0 0 0 0 0 0 0 0 0	D4	28/week3 B3 6 3 6 3 8 4 1792 3 3424 0 0 0	F6 6 1480 2808 0 0 0 0 0 0	A2 55 2256 3360 0 0 0 0 0	6 6 77 1640 2280 0 0.35 0 0 0 0.35	C1 5 7 1680 3472 0 0 0 0 0 0 0 0 0	5 6 1984 2936 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 6 6 6 2432 6 3616 0 0.66 0 0.6	5 2 2176 2 2920 0 00 0 00 0 00 0 00	B2 6 1904 3112 2.1 1.25 0 0	3         6           3         6           3         3656           2         5248           0.22         0.33           0         0.33           0         0	A3 5 1552 3088 2 0 6 0 0 0 0 0	5 7 1176 2552 0 0.31 0 0 0 0	A1 5 1232 2544 0 0 0 0
Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) (T) Elphidium excevatum (L)	2E/week0 - 5 7 6000 1728 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	28/week1 B1 99 1752 5312 00 00 00 00 00 00 00 00 00 00 00 00 00		2E/week3         B3         6         3         8         3         8         4         1792         3         3424         0	F6 6 8 1480 2808 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 55 2256 3360 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 1640 2280 0 0 0.35 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 1680 3472 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1984 2936 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 2432 3616 0 0.66 0 0.66	5           2           2176           2920           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0	B2 1904 3112 2.1 1.25 0 0 0 0 0 0 0 0 0 0 0 0 0		A3 5 5 1552 3088 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 7 1176 2552 0 0.31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 1232 2544 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotWidste Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) Ephidium excevetum (L) (T) Giomospira gordialis (L) Inner linings (L)	2E/week0 - 5 7 6000 1728 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	28/week1 B1 9 9 1752 5312 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 (6 158- 3896 0.2* (0 0.2* (0 0.2* (0 0.2* (0 0.2* (0 0.2* (0 0.2* (0 0.2* (0 0.2* (0 0.2* (0 0.2* (0 0.2* (0 0.2* (0 0.2* (0 0.2* (0 0.2*) (0 0.2* (0 0.2*) (0 0.2* (0 0.2*) (0 0.2* (0 0.2*) (0 0.2* (0 0.2*) (0 0	28/week3 B3 0 0 0 8 0 8 0 792 0 00 0	F6 6 8 1480 2808 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 5 2256 3360 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 1640 2280 0 035 0 00 0 00 0 00 0 00 0 00 0 00 0	C1 5 7 1680 3472 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1984 2936 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 2432 33616 0.0666 0.0666 0.0666 0.0666 0.0666 0.0666 0.0666	5 2 2176 3 2920 0 00 0 00 0 00 0 00 0 00 0 00 0 00	B2 1904 3112 2.1 1.26 0 0 0 0 0 0 0 0 0 0 0 0 0	0         6           0         6           1         3856           2         5246           0         0.22           0         0.20           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	A3 5 5 1552 3088 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 7 1176 2552 0 0.31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 1232 2544 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotWidte Composite # Total # of species (L) /10cc (T) Eggerella advena (L) (T) Eighidium excavatium (L) (T) Giomospira gordialis (L) Inrier linings (L) (T)	2E/week0 - 5 600 1728 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	28/week1 B1 9 9 1752 5312 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 (6) (158- (3896) (0) (0) (0) (0) (0) (0) (0) (0) (0) (0	ZE/week3         B3         <	F6 6 1460 2808 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 55 2256 3360 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 1640 2280 0 035 0 00 0 00 0 00 0 00 0 00 0 00 0	C1 5 7 1680 3472 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1984 2936 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 6 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6	5 2 2176 2 2920 0 00 0 00 0 00 0 00 0 00 0 00 0	B2 1904 3112 2.1 1.25 0 0 0 0 0 0 0 0 0 0 0 0 0	0         6           0         6           1         3856           2         5246           0         0.22           0         0.22           0         0           0         <	A3 5 552 552 5 3088 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 7 1176 2552 0 0.31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 53 1232 2544 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Plot#date Composite # Total # of species (L) /10cc (T) Eggerella advena (L) Eghidium excavatum (L) (T) Glomospira gordialis (L) (T) Innrer linings (L) (T) Miliammina fusca (L)	2E/week0 - 5 7 6000 1728 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	28/week1 B1 99 1752 5312 00 00 00 00 00 00 00 00 00 0	D4 158- 3899 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	ZE/week3         B3         B4         D1         D2         D3         D3         D3         D4         D4         D0         <	F6 6 8 1480 2808 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 55 2256 3360 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 1640 2280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 1680 3472 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1984 2936 0 0 0 0 0 0 0 0 0 0 2 7 2.82 3.54 7.26	C2 2432 3 3616 0 0.66 0 0.	5 2176 29200 0 00 0 00 0 00 0 00 0 00 0 00 0 0	B2 1904 3112 2.1 1.26 0 0 0 0 0 0 0 0 0 0 0 0 0	0         0	A3 5 55 1552 6 3088 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 7 1176 2552 0 0 0.31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 1232 2544 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotWate Composite # Total # of species (L) /10cc (T) Eggerella advena (L) (T) Eghidium excavatum (L) (T) Glomospira gordialis (L) (T) Inrer linings (L) (T) Millammina fusca (L)	2E/week0 - 5 600 1728 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	28/week1 B1 9 9 1752 5312 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 8 8 1584 3896 (0 0.2' (0 0.2'	ZE/week3         B3         B4         1792         B3         B4         1792         B3         B4         1792         B3         B4         1792         B3         B4         D         O	F6 6 8 8 1480 2608 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 55 2256 3360 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 1640 2280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 1680 3472 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1984 2936 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 6 6 6 7 6 7 6 7 6 7 6 7 6 7 6 7	5 2176 2920 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 1904 3112 2.1 1.26 0 0 0 0 0 0 0 0 0 0 0 0 0	0         0	A3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5 7 1176 2552 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 1232 2544 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Plot#date Composite # Total # of species (L) /10cc (T) Eggerella advena (L) (T) Elphidium excavatum (L) (T) Elphidium excavatum (L) (T) Inner linings (L) (L) Millammina fusca (L) (T)	2E/week0 - 5 7 6000 1728 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22/week1 B1 0 9 9 1752 5312 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 ( ( ( ( ( ( ( ( ( ( ( ( (	ZE/week3         B3         B4         D1792         D0         D2         D2         D3         D18         D18         D18         D18         D19         D10         D	F6 6 8 1480 2808 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 5 5 2256 3360 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 1640 2280 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 1680 3472 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1984 2936 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 6 6 6 8 2432 8 3816 0 0.66 0 0	5 5 5 5 5 5 5 5 5 5 5 5 5 5	B2 6 6 6 1900 1112 2.1 1.26 0 0 0 0 0 0 0 0 0 0 0 0 0	0         6           3         3650           3         5246           0         0.22           0         0.23           0         0.00           0         0           0         0           0         0           0         0           0         0           0         7.88           2         11.1           0         10.4	A3         5           1552         3088           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           10.3.09         10.3           10.3         21	5 77 1176 2552 0 0.31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 1232 2544 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotWate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) (T) Eiphidium excavatum (L) (T) Glomospira gordialis (L) (T) Millammina fusca (L) (T) (T) Pseudo.limetis (L)	2E/week0 - 5 7 6000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22/week1 B1 0 9 9 9 1752 5312 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 ( 1584 ( 1584 ( 0 ( ) ) ( ) ) ( ) ) ( ) ) ( ) ) ) ( ) ) ) ( ) ) ) ) ) ) ) ) ) ) ) ) )	ZE/week3         B3         Control         B3         S3         S3         S3         S3         S3         S4         1792         S3         S4         S4         S3         S4         S4         S5         S4         S5         S4         S5         S4         S4         S5         S4         S4 <ths4< th="">         S4         <ths4< th=""></ths4<></ths4<>	F6 6 8 1480 2808 0 0 0 0 0 0 0 0 0 0 0 0 0	A2 5 5 22565 3360 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 7 1840 22800 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 18800 3472 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1984 2936 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 6 C2 6 C2 6 C2 6 C2 6 C2 6 C2 6 C2 7	5 5 6 2 2176 2 2276 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 e e 1904 3112 2.1 1.222 C C C C C C C C C C C C C	e         e           b         c           c         38550           c         5244           0.22         0.33           c         5244           0.22         0.30           c         0.22           0         0           c         0           c         0           c         0           c         0           c         0           c         0           c         0           c         0           c         0           c         0           c         1.31           c         1.41           c         7.86           c         11.1           c         10.4           c         5.86           c         C	A3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5           7           1176           2552           0           0.31           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           14.3           14.3           16.6           15.1           0	A1 5 6 1232 2544 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Plot#date Composite # Total # of species (L) /10cc (T) Eggerella advena (L) Eggerella advena (L) (T) Elphidium excavatum (L) (T) Elphidium excavatum (L) (T) Biomospira gordialis (L) (Ld) (Ld) (T) Pseudo.limetis (L) (T)	2E/week0 - 5 7 7 600 1728 00 0 0 0 0 0 0 0 0 0 0 0 0	22/wesh1 B1 0 9 9 5312 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 6 1584 38900 0 0 0 0 0 0 0 0 0 0 0 0	ZEvents1         B3         6           B3         6         8           1         1792         3424           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         3.55           16.5         16.5         8.1           3         20.6         0           0         0         0	F6 6 8 1480 2808 0 0 0 0 0 0 0 0 0 0 0 0 0	A2           5           5           22565           33800           0           0           0           0           0           0           0           0           0           0           0           0           0           0           142           24.5           2033           18.1           19.7           0           0	6           7           1640           2280           0           0           0           0           0           0           0           0           0           0           0           0           0           0           15.8.           7.72           15.8.           0           0           0	C1 5 7 18800 3472 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1984 2835 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 6 6 6 24333 6 3616 0.660 0 0.660 0 0.660 0 0.600 0 0.60	5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	B2 e e 1904 3117 2.1 1.22 C C C C C C C C C C C C C	6         6           3         3656           2         5244           0         2           0         0           0         C           0         C           0         C           0         C           0         C           0         C           0         C           10         C           11.1.1         10.4           5.88         C           0         C           0         C	A3         5           5         5           1552         3088           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	5 7 1176/0 2552 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 1232 2244 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotWate Composite # Total # of species (L) /10cc (T) Eggenella advena (L) (T) Egpiella advena (L) (T) Elphidium excavatum (L) (T) Glomospira gordialis (L) (T) Millammina fusca (L) (Ld) (Td) Pseudo.limetis (L) Thecamoebians (L)	2E/week0 - 5 77 6000 1728 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22/wesh1 B1 9 9 1752 5312 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 04 05 05 05 05 05 05 05 05 05 05	ZEvents         B3         6           B3         6         8           1792         3424         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         3.55         1.65           1.65         20.69         0           0         0         0	F8 6 8 1480 2808 0 0 0 0 0 0 0 0 0 0 0 0 0	A2           5           5           2256           3380           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           142           524.5           20.3           181.1           19.7           0           0           0	6         7           7         18404           2280         0           0         0.359           0         0.359           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	C1 5 7 1680 3472 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 7.14 8.76 6 24.3 11.8 21.2 2 10.9 0 0.23 0 0.23 0 0 0 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1984 2836 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 C2 C2 C2 C2 C2 C2 C2 C2 C2	5         5           6         5           6         2176%           22720         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         2.74%           2.87         3           3         11.5           1         24.9           1         24.1           0         0           0         0           0         0	B2 6 6 7 1904 3112 2.11 1.25 0 0 0 0 0 0 0 0 0 0 0 0 0	0         6           0         06           0         06           0         02           0         0	A3         5           5         5           1552         3088           0         0           0         0           0         0           0         0           0         0           0         0           10.3         3.09           2.3.37         14.9           3.21         3.8.64           0         0           0         0	5 77 1170 0.311 0.011 0.010 0.00 0.00 0.00 0.00	A1 5 5 1232 2544 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotWate Composite # Total # of species (L) /10cc (T) Eggerella advena (L) Eggerella advena (L) Eggerella advena (L) Eggindlum excavatum (L) Eggindlum	2E/week0 - 5 7 6000 1728 0 0 0 0 0 0 0 0 0 0 0 0 0	22/wesk1 B1 0 9 9 1752 5312 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 04 1584 3890 0.21	28/week3           B3         6           8         6           8         8           9         6           8         8           9         0           17622         3424           0         0           0         0           0         0           0         0           0         0           0         0           0         2           3.5         16.5           5         16.5           0         0.14           0         0.47           0         0.89           0.039         0.89	<b>F8</b> <b>6</b> <b>8</b> <b>1480</b> <b>2808</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b>	A2 5 5 2256 3360 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 77 16400 2280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 1680 3472 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	C2 C2 C2 C2 C2 C2 C2 C2	5 5 6 2 2176 2 2020 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 6 7 904 1904 1904 1017	b         c           b         c           b         c           b         c           c         53652           c         5246           c         0.0.3           c         0           c         0           c         0           c         0           c         0           c         0           c         0           c         0           c         0           c         1.31           c         11.1           d         10.4           c         11.1           d         0.4           d         0           c         0           c         0           c         0           c         0           c         0           c         0           c         0           c         0           c         0	A3         5           5         5           1552         3088           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	5 77 1170 2552 0 0 31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 1232 2544 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Plot#date Composite # Total # of species (L) /10cc (T) Eggerella advena (L) Eggerella advena (L) (T) Elphidium excavatum (L) (T) Elphidium excavatum (L) (T) Giomospira gordialis (L) (Ld) (Ld) (T) Pseudo.limetis (L) (T) Thecamoeblans (L) (T)	2E/week0 - 5 7 6000 1728 0 0 0 0 0 0 0 0 0 0 0 0 0	22/wesh1 B1 0 9 9 17555 5312 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 C4 C4 C4 C4 C4 C4 C4 C4 C4 C	ZB/week3           B3         6           8         6           4         1762           3         3424           4         0           0         0	F8 6 8 14800 2808 0 0 0 0 0 0 0 0 0 0 0 0 0	A2           5           5           2256           3380           0	6 7 16404 0.2280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 7 1680 3472 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 7 2936 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2         E           0         6           0         6           1         2432           3         3616           0         0.666           0         0.67           0         0.666           0         0.666           0         0.666           0         0.666           0         0.666           0         0.667           0         0.67           0         0.67           0         0.67           0         0.67           0         0.68           0         0.668           0         0.67           0         0.67           0         0.67           0         0.67           0         0.67           0         0.67           0         0.67	5         5           6         5           6         2176           2270         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         11.5           24.8         12.1           0         0           0         0           0         0           0         0           0         0           0         0	B2 6 6 6 7 1904 3112 2.11 1.25 0 0 0 0 0 0 0 0 0 0 0 0 0	b         6           b)         6           c)         30555           c)         5244           c)         5249           c)         300           c)         0.22           c)         0.305           c)         0.22           c)         0.20	A3         5           5         5           1552         0           0         0	5 77 117e 2552 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 1232 2544 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotWate Composite # Total # of species (L) /10cc (T) Eggerella advena (L) (T) Eggerella advena (L) (T) Eghidium excavatum (L) (T) Glomospira gordialis (L) (T) Millammina fusca (L) (T) Pseudo.limetis (L) (T) Thecamoebians (L) (T) Tiphotrocha comprimata (L) (T)	2E/week0 - 5 7 6000 1728 0 0 0 0 0 0 0 0 0 0 0 0 0	22/versi1 B1 6 5 5 5 5 5 5 2 5 5 2 5 5 2 5 5 2 5 5 2 5 5 2 5 5 2 5 5 2 5 5 5 2 5 5 5 2 5 5 2 5 5 5 2 5 5 2 5 5 2 5 5 2 5 5 2 5 5 2 5 5 2 5 5 2 5 5 2 5 5 2 5 5 2 5 5 2 5 5 2 5 5 5 2 5 5 5 2 5 5 5 2 5 5 5 2 5 5 5 2 5 5 5 2 5 5 5 5 5 5 5 5 5 5 5 5 5	D4 D4 158-4 3894 0.22 0.2	ZB/west3         B3         6           B3         6         6         6           3         6         8         6         6           4         1762         3424         0         0           0	F6 6 6 6 6 6 6 6 6 6 7 6 7 6 7 6 7 6 7 6	A2           5         5           2256         3360           0         0	6         7           16400         22800           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0.355           0         0           0         0	C1 5 7 1680 3472 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 7 8 7 7 8 7 7 8 7 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 8 7 8 7 8 7 7 8 7 8 7 7 8 7 7 8 7 8 7 8 7 8 7 7 8 8 7 8 7 8 7 8 7 8 8 7 8 8 7 8 8 7 8	C2         C2           0         0         0           0         3616         0.660           0         0.00         0           0         0.00         0           0         0.00         0           0         0.00         0           0         0.00         0           0         0.00         0           0         0.00         0           0         0.00         0           0         0.00         0           0         0.00         0           0         0.00         0           0         0.00         0           0         0.00         0           0         0.00         0           0         0.00         0           0         0.00         0	5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	B2         6           6         6           7         1904           3112         2.1           1.22         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	b         e           b         e           b         e           b         e           c         38552           c         5248           c         0.23           c         0.03           c         0.00	A3         5           5         5           1552         0           0         0	5 77 1170 2552 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2.722 5.02 5.02 5.02 5.02 14.3 14.3 16.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 5 1232 2544 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotWidste Composite # Total # of species (L) /10cc (T) Eggerella advena (L) Eggerella advena (L) (T) Eiphidium excavatum (L) (T) Eiphidium excavatum (L) (T) Eiphidium excavatum (L) (T) Giomospira gordialis (L) (T) (T) Millammina fusca (L) (T) Pseudo.limetis (L) (T) Thecarnoebians (L) (T) Tiphotrocha comprimatis (L) (T) Trocha.inflata (L)	2E/week0 - 5 7 7 0 0 0 0 0 0 0 0 0 0 0 0 0	22/versi1 B1	D4 D4 ( 5 5 5 5 5 5 5 5 5 5 5 5 5	28/week3           B3         6           3         6           4         1762           3         3424           0         0	F8 6 6 8 8 14800 2608 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2           5           5           2256           3360           0<	6         7           16404         2280           0         0	C1 5 7 1680 3472 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 7 7 8 7 8 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 7 8 7 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 7 8 7 7 7 7 7 7 8 7 7 7 7 8 7 7 7 7 8 7 8 7 7 7 7 7 8 7 7 7 7 7 8 7 7 7 7 7 8 7 7 7 7 7 7 8 7 7 7 7 7 8 7 7 7 7 7 8 7 7 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 8 7 7 7 8 7 8 7 7 7 8 7 8 7 7 8 7 8 7 7 8 7 8 7 8 7 7 8 8 7 8	C2         6         6         6         6         6         6         6         6         6         7 <th7< th="">         7         <th7< th=""> <th7< th=""></th7<></th7<></th7<>	5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	B2         6           0         0           0         1904           3112         2.1           1.26         0           0         0	b         6           0         6           0         6           0         3655           2         5244           0         0.22           0         0.23           0         0           0         0           0         0           0         0           0         11.1           1         11.4           0         0           0	A3         5           1552         1552           1552         0           0         0	5           77           1176           2552           0	A1 5 5 5 5 5 5 5 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotWate Composite # Total # of species (L) /10cc (T) Eggerella advena (L) Eggerella advena (L) (T) Ephidium excavatum (L) (T) Giomospira gordialis (L) (T) Millammina fusca (L) (T) Pseudo.limetis (L) (Toposita (L) (T) Pseudo.limetis (L) (T) Tiphotracha comprimata (L) (T) Trocha.inflata (L) (T)	2E/week0 - 5 7 7 0000 0 0 0 0 0 0 0 0 0 0 0	22/versi1 B1	D4 D4 158-4 3894 0.22 0.2	28/week3           B3         6           8         6           8         6           9         6           1762         3424           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         2           3.5         8.1           8         20.6           0         0.47           0         0.893           0         0.933           0         0           0         0.93           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	F6 6 6 6 6 6 6 6 6 7 6 7 6 7 6 7 6 7 6 7	A2         5           5         5           2256         33600           0         0           1         0	6         7           16400         2280           0         0	C1 5 7 1880 3472 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	C2         6         6         6         7 <th7< th="">         7         <th7< th=""> <th7< th=""></th7<></th7<></th7<>	5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	B2         6           0         0           0         1904           3112         2.1           0         2.1           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	b         6           0         6           0         6           0         6           0         0	A3         5           0         5           1552         1552           3088         3098           0         0	5           77           1176           2552           0           0           0           0           0           0           0           0           0           0           0           0           0           14.3           15.1           0           0           0           0           0           0           0.311           3.76*	A1 5 5 5 5 5 5 5 5 5 5 5 5 5
PlotWate Composite # Composite # Total # of species (L) /10cc (T) Eggerella advena (L) (Total # of individuals (L) /10cc (T) Eggerella advena (L) (T) Elphidium excavatum (L) (T) Elphidium excavatum (L) (T) Elphidium excavatum (L) (T) Elphidium excavatum (L) (T) Inrier linings (L) (T) Miliammina fusca (L) (T) Pseudo.limetis (L) (T) Tipotrocha comprimata (L) (T) (Tocha.inflata (L) (T) (T)	2E/week0 - 5 7 7 6000 0 0 0 0 0 0 0 0 0 0 0 0	22/versi1 B1 9 17525 5312 5312 5312 5312 5312 5312 5312 5	D4 D4 158-4 3890 0 0.2 <sup>+</sup> 0 0.	ZB/west3           B3           B           0	F6 6 6 14600 2808 0 0 0 0 0 0 0 0 0 0 0 0 0	A2           5           5           2256           3360           0      0 <td>6         7           16400         2280           0         0</td> <td>C1 5 7 1680 3472 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>5 6 7 7 8 7 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 1 7 7 8 1 7 7 8 1 7 7 8 1 7 7 8 1 7 2 8 2 9 5 6 9 5 9 5 9 5 9 5 9 5 9 5 9 5 9 5 9</td> <td>C2         6         6         6         6         7         <th7< th="">         7         <th7< th=""> <th7< th=""></th7<></th7<></th7<></td> <td>5         5           6         2176*           2220         0           0         0</td> <td>B2         6           0         0</td> <td>b         6           3055         5244           2         5244           0.22         0.395           0         0.22           0         0.22           0         0.22           0         0.2           0         0</td> <td>A3         5           1552         1552           0         0</td> <td>5           77           1170           2552           0</td> <td>A1 5 5 5 2544 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td>	6         7           16400         2280           0         0	C1 5 7 1680 3472 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 7 7 8 7 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 1 7 7 8 1 7 7 8 1 7 7 8 1 7 7 8 1 7 2 8 2 9 5 6 9 5 9 5 9 5 9 5 9 5 9 5 9 5 9 5 9	C2         6         6         6         6         7 <th7< th="">         7         <th7< th=""> <th7< th=""></th7<></th7<></th7<>	5         5           6         2176*           2220         0           0         0	B2         6           0         0	b         6           3055         5244           2         5244           0.22         0.395           0         0.22           0         0.22           0         0.22           0         0.2           0         0	A3         5           1552         1552           0         0	5           77           1170           2552           0	A1 5 5 5 2544 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotWate Composite # Total # of species (L) /10cc (T) Eggenella advena (L) (T) Eggenella advena (L) (T) Eghidium excavatum (L) (T) Glomospira gordialis (L) (T) Millammina fusca (L) (T) Pseudo.limetis (L) (T) Thecamoebians (L) (T) Trocha.inflata (L) (T) Trocha.inflata (L) (T) (T) Trocha.macrescens (L)	2E/week0 - 5 7 7 6000 0 0 0 0 0 0 0 0 0 0 0 0	22/versi1 B1 6 9 17525 5312 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 D4 158-4 3890 0.22 0.02 0.02 0.02 0.22 0.22 0.22 0.	B3         6           B3         6           1762         3424           1762         3424           0         0	F6 6 6 6 6 6 6 6 6 6 6 7 6 6 6 7 6 7 6 7	A2           5           5           2256           3380           0	6         7           16400         2280           0         0	C1 5 7 1680 3472 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1984 2936 0 0 0 0 0 0 0 0 0 0 0 0 0	C2         C2           0         0         0           0         0.66         0         0           0         0         0         0         0           0         0         0         0         0         0           0 <td>5         5           6         2176*           2178*         0           0         0</td> <td>B2         6           0         0</td> <td>b         6           3         0           3         0           2         5244           0         0.22           0         0</td> <td>A3         5           5         5           1552         0           0         0</td> <td>5           77           1176           2552           0</td> <td>A1 5 5 5 5 5 5 5 5 5 5 5 5 5</td>	5         5           6         2176*           2178*         0           0         0	B2         6           0         0	b         6           3         0           3         0           2         5244           0         0.22           0         0	A3         5           5         5           1552         0           0         0	5           77           1176           2552           0	A1 5 5 5 5 5 5 5 5 5 5 5 5 5
PlotWate Composite # Total # of species (L) /10cc (T) Eggerella advena (L) Eggerella advena (L) Eggerella advena (L) Eggerella advena (L) Eggerella advena (L) Eggerella advena (L) Eggerella advena (L) (T) Glomospira gordialis (L) (T) Millammina fusca (L) (T) Millammina fusca (L) (T) Thecamoebians (L) (T) Trocha.inflata (L) (T) Trocha.inflata (L) (T)	2E/week0 - 5 7 7 0000 0 0 0 0 0 0 0 0 0 0 0	22/vesk1 B1 0 9 9 17552 5312 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 D4 ( 5 3894 ( 0.22) ( 0)) ( 0.22) ( 0.22) ( 0)) ( 0)) ( 0)) ( 0)) ( 0)) ( 0)) ( 0)) ( 0)) ( 0)) ( 0)) ( 0)) ( 0)) ( 0)) ())) ()) (	ZB/week3         B3         Constraints         Constrai	F8 6 6 8 6 6 6 6 6 6 6 7 6 7 6 7 6 7 7 7 7	A2           5           5           2256           3360           0	6         7           16404         0           2280         0           0         0	C1 5 7 1680 3472 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 7 7 8 7 8 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 8 7 8 7 8 7 7 7 8 7 8 7 7 8 9 7 8 7 8	C2         6         6         6         6         6         6         6         6         6         6         7 <th7< th="">         7         <th7< th=""> <th7< th=""></th7<></th7<></th7<>	5         5           6         2176           2         276           0         0	B2         6           0         0	b         6           0         6           0         6           0         6           0         2           0         0	A3         5           1552         1552           1552         0           0         0	5           77           1176           2552           0.0           0           0           0           0           0           0           0           0           0           0           0           0           2.722           5.02           14.3           16.6           0	A1 5 5 5 5 5 5 5 5 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotWate Composite # Total # of species (L) /10cc (T) Eggerella advena (L) (T) Eggerella advena (L) (T) Egheldium excevatum (L) (T) Glomospira gordialis (L) (T) Milliammina fusca (L) (Ld) (T) Thecamoebians (L) (T) Thecamoebians (L) (T) Trocha.inflata (L) (T) Trocha.inflata (L) (T) Trocha.macrescens (L) (T) Trocha.macrescens (L)	2E/week0 - 5 7 7 6000 0 0 0 0 0 0 0 0 0 0 0 0	22/versi1 B1	D4 D4 1584 3890 0.27 0.27 0.027 0.027 0.05 0.05 0.05 0.05 0.027 0.027 0.05 5.00 0.27 0.020	B3         0         0           B3         6         6           1762         3424         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         2           3         3.5         6         16.5           1         16.7         5         18.1           0         0         0       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  14.8           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0</td> <td>5         5           6         2176*           22720         2920           0         <t< td=""><td>B2         6           0         0           0         0           0         12           1         1.22           0         0</td></t<><td>b         6           3         365           3         365           2         5244           0         0.22           0         0.22           0         0.22           0         0.20           0         0.00      0</td><td>A3         5           5         5           1552         0           0         0</td><td>5           77           1176           2552           0&lt;</td><td>A1 5 5 5 2544 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td></td>	C1 5 7 1680 3472 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1984 2936 2936 0 0 0 0 0 0 0 0 0 0 0 0 0	C2         6         6           0         6         6           0         6         3616           0         0.66         0.060           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           133         14.8         14.8           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0	5         5           6         2176*           22720         2920           0         0           0 <t< td=""><td>B2         6           0         0           0         0           0         12           1         1.22           0         0</td></t<> <td>b         6           3         365           3         365           2         5244           0         0.22           0         0.22           0         0.22           0         0.20           0         0.00      0</td> <td>A3         5           5         5           1552         0           0         0</td> <td>5           77           1176           2552           0&lt;</td> <td>A1 5 5 5 2544 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td>	B2         6           0         0           0         0           0         12           1         1.22           0         0	b         6           3         365           3         365           2         5244           0         0.22           0         0.22           0         0.22           0         0.20           0         0.00      0	A3         5           5         5           1552         0           0         0	5           77           1176           2552           0<	A1 5 5 5 2544 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotWidate Composite # Total # of species (L) /10cc (T) Eggerella advena (L) Eggerella advena (L) (T) Ephidium excavatum (L) (T) Giomospira gordialis (L) (T) Inner linings (L) (T) Miliammina fusca (L) (T) Pseudo.limetis (L) (T) Trocha.inflata (L) (T) Trocha.inflata (L) (T) Trocha.macrescens (L) (Ld) (T) Trocha.macrescens (L) (Ld) (Ld) (Ld) (Ld) (Ld) (Ld) (Ld) (	2E/week0 - 5 7 7 0 0 0 0 0 0 0 0 0 0 0 0 0	22/versi1 B1 6 9 9 17525 5312 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 D4 ( 5 3896 ( 0.22) ( 0) ( 0.22) ( 0) ( 0) ( 0) ( 0) ( 0)) ( 0) ( 0)) ( 0) ( 0)) ( 0)) ( 0)	ZB/week3         ZB/week3         ZB/week3         ZB/week3         ZB/Week3         ZB/Week3         ZE/Week3	F6 6 6 6 6 6 6 6 6 6 6 7 6 6 6 7 6 7 6 7	A2           5           5           2256           33600           0	6         7           16400         2280           0         0	C1 5 7 1880 3472 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	C2         C2           0         6         6           0         2433         6           0         0.66         3816           0         0.66         0           0         0         0 <td>5         5           6         5           7         6           2920         0           0         0      0         0</td> <td>B2         6           0         0           0         1904           3112         2.1           0         2.2           0         0      0         0</td> <td>b         6           3         66           3         3656           2         5244           0         0.22           0         0.25           0         0.25</td> <td>A3         5           0         5           1552         1552           3088         0           0         0</td> <td>5 77 1176 2552 00 00 00 00 00 00 00 00 00 00 00 00 00</td> <td>A1 5 5 5 5 5 5 5 5 5 5 5 5 5</td>	5         5           6         5           7         6           2920         0           0         0      0         0	B2         6           0         0           0         1904           3112         2.1           0         2.2           0         0      0         0	b         6           3         66           3         3656           2         5244           0         0.22           0         0.25           0         0.25	A3         5           0         5           1552         1552           3088         0           0         0	5 77 1176 2552 00 00 00 00 00 00 00 00 00 00 00 00 00	A1 5 5 5 5 5 5 5 5 5 5 5 5 5
PlotWate Composite # Total # of species (L) /10cc (T) Eggerella advena (L) (T) Eggerella advena (L) (T) Egheldium excevatum (L) (T) Glomospira gordialis (L) (T) Milliammina fusca (L) (Ld) (T) Thecamoebians (L) (T) Thecamoebians (L) (T) Trocha.inflata (L) (T) Trocha.inflata (L) (T) Trocha.macrescens (L) (T) Trocha.macrescens (L)	2E/week0 - 5 7 7 6000 0 0 0 0 0 0 0 0 0 0 0 0	22/versi1 B1 9 17525 5312 5312 5312 5312 5312 5312 5312 5	D4 D4 158-4 3890 0 (0.27 0 (0.27 0 (0.27 0 (0.27 0 (0.27) 15.6 11.52 15.6 11.52 15.6 0 (0.27) 0 (0.27)	ZB/week3           B3           B           D	F8 6 6 8 8 6 0 2608 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A2           5           5           2256           3360           0<	6         7           16400         2280           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         9.277           13.6         0.35           0         0           0         0.449           0         0.499           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0      0         <	C1 5 7 1880 3472 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	C2         6         6         6         6         6         6         6         6         6         6         6         6         6         7 <th7< th="">         7         <th7< th=""> <th7< th=""></th7<></th7<></th7<>	5         5           6         2176*           2220         0           0         0      0         0	B2         6           0         0	b         6           3         365           2         5244           0         0.22           0         0.22           0         0.22           0         0.22           0         0.22           0         0.2           0	A3         5           1552         5           1552         0           0         0      0         0	5           77           1170           2552           0<	A1 5 5 5 5 5 5 5 5 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotWate Composite # Total # of species (L) /10cc (T) Eggerella advena (L) Eggerella advena (L) (Total # of individuals (L) /10cc (T) Eggerella advena (L) (T) Eggerella advena (L) (T) Eggerella advena (L) (T) Eggerella advena (L) (T) Eggerella advena (L) (T) Eggerella advena (L) (T) (Totalmatic (L) (T) Thecamoeblans (L) (T) Trocha.inflata (L) (T) Trocha.macrescens (L) (T) (Tocha.macrescens (L) (T) (T) (E) (E) (E) (E) (E) (E) (E) (E) (E) (E	2E/week0 - 5 7 7 0000 1728 0 0 0 0 0 0 0 0 0 0 0 0 0	22/versi1 B1	D4 D4 ( 558 ( 3896) ( 3896 ( 3896) ( 389)	ZB/week3           B3           0	F6         6           8         8           14600         2608           0         0           0         0           0         0           0         0           0         0           0         0           0         0           1.000         0           0         0           0         0.85           1.622         0.64           0.2565         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0	A2           5           5           2256           3360           0<	6         7           16400         0           0         0	C1 5 7 1680 3472 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 7 7 8 7 8 7 7 8 7 8 8 7 8	C2         6           0         6           0         2432           0         0.66           0         0.06           0.06         0.06           0.06         0.06           0.06         0.36           0.06         0.36	5         5           6         2176           2         276           0         0 <td>B2         6           0         0           0         1904           3112         2.1           1.26         0           0         &lt;</td> <td>b         6           0         6           0         6           0         6           0         0</td> <td>A3         5           1552         1552           1552         0           3088         0           0</td> <td>5           77           1176           2552           0           0           0           0           0           0           0           0           0           0           0           0           0           14.3           16.6           0</td> <td>A1 5 5 1232 2544 0 0 0 0 0 0 0 0 0 0 0 0 0</td>	B2         6           0         0           0         1904           3112         2.1           1.26         0           0         <	b         6           0         6           0         6           0         6           0         0	A3         5           1552         1552           1552         0           3088         0           0	5           77           1176           2552           0           0           0           0           0           0           0           0           0           0           0           0           0           14.3           16.6           0	A1 5 5 1232 2544 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotWate Composite # Total # of species (L) /10cc (T) Eggenella advena (L) (T) Eggenella advena (L) (T) Eghidium excavatum (L) (T) Glomospira gordialis (L) (T) Glomospira gordialis (L) (T) Glomospira gordialis (L) (T) Glomospira gordialis (L) (T) Glomospira gordialis (L) (T) (T) Fiscarnoebians (L) (T) Thecarnoebians (L) (T) Trocha.inflata (L) (C) (T) Trocha.macrescens (L) (C) (T) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C	2E/week0 - 5 7 7 6000 0 0 0 0 0 0 0 0 0 0 0 0	22/versi1 B1	D4 D4 ( 558 ( 3896) ( 3896 ( 3896) ( 389)	ZB/week3           B3           0	F6 6 6 6 6 6 6 6 6 6 6 6 7 6 6 7 6 7 6 7	A2           5           5           2256           3360           0<	6         7           16400         0           0         0	C1 5 7 1680 3472 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1984 2936 0 0 0 0 0 0 0 0 0 0 0 0 0	C2         6           0         6           0         2432           0         0.66           0         0.06           0.06         0.06           0.06         0.06           0.06         0.36           0.06         0.36	5         5           6         2176           2         276           0         0 <td>B2         6           0         0           0         1904           3112         2.1           1.26         0           0         &lt;</td> <td>b         6           0         6           0         6           0         6           0         0</td> <td>A3         5           1552         1552           1552         0           3088         0           0</td> <td>5           77           1176           2552           0           0           0           0           0           0           0           0           0           0           0           0           0           14.3           16.6           0</td> <td>A1 5 5 1232 2544 0 0 0 0 0 0 0 0 0 0 0 0 0</td>	B2         6           0         0           0         1904           3112         2.1           1.26         0           0         <	b         6           0         6           0         6           0         6           0         0	A3         5           1552         1552           1552         0           3088         0           0	5           77           1176           2552           0           0           0           0           0           0           0           0           0           0           0           0           0           14.3           16.6           0	A1 5 5 1232 2544 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotWidste Camposite # Total # of species (L) /10cc (T) Eggerella advena (L) Eggerella advena (L) (Total # of individuals (L) /10cc (T) Eggerella advena (L) (T) Ephidium excavatum (L) (T) Giomospira gordialis (L) (T) (Tiner linings (L) (Ld) (T) (Tiner linings (L) (C) (T) (Tiner linings (L) (C) (T) (Total advena (L) (T) Trocha.inflata (L) (T) Trocha.inflata (L) (C) (T) Trocha.macrescens (L) (T) (C) (T) (C) (T) (C) (T) (C) (T) (C) (C) (T) (C) (T) (C) (T) (C) (C) (T) (C) (C) (T) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C	2E/week0 - 5 7 7 0000 1728 0 0 0 0 0 0 0 0 0 0 0 0 0	22/versi1 B1 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 D4 ( 5 158-4 3899 ( 0.22 5.08 10.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	ZB/week3           B3         0	F6         6           1460         2608           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           1.068         2.55           0         0.54           0         2.56           0         0           0         2.56           0         0           0         2.56           0         0           0         2.58           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         5.41	A2         S           5         5           2256         33600           0         0      0         0 <td>6         7           16400         2280           0         81.8           0         0.449           0         0</td> <td>C1 5 7 1880 3472 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>5 6 1984 2936 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>C2         6           0         6           0         2433           0         0.66           0         0.66           0         0.66           0         0.06           0.06         0.06           0.06         0.06           0.06         0.06           0.06         0.06     <td>5         5           6         5           7         5           7         7           7         7           7         7           7         7           7         7           7         7           7         7           7         7           7         7           7         7           7         7           7         7           7         8           7         8           7         8           8         7           8         7</td><td>B2         6           0         6           1904         3112           2.1         2.1           2.2         0           0         0           0         0           0         0           0         0           0         0           0         0           13.8         18.2           18.3         18.2           18.3         18.2           0         0           &lt;</td><td>b         6           3         66           3         3656           2         5244           0         0.22           0         0.22           0         0.22           0         0.22           0         0.22           0         0.22           0         0.22           0         0.22           0         0.22           0         0.22           0         0.22           0         0.22           0         7.68           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20      0</td><td>A3         D         5           0         5         5           1552         1552         3088           0         0         0</td><td>5           77           1176           2552           0           2.04</td><td>A1 5 5 5 5 5 5 5 5 5 5 5 5 5</td></td>	6         7           16400         2280           0         81.8           0         0.449           0         0	C1 5 7 1880 3472 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1984 2936 0 0 0 0 0 0 0 0 0 0 0 0 0	C2         6           0         6           0         2433           0         0.66           0         0.66           0         0.66           0         0.06           0.06         0.06           0.06         0.06           0.06         0.06           0.06         0.06 <td>5         5           6         5           7         5           7         7           7         7           7         7           7         7           7         7           7         7           7         7           7         7           7         7           7         7           7         7           7         7           7         8           7         8           7         8           8         7           8         7</td> <td>B2         6           0         6           1904         3112           2.1         2.1           2.2         0           0         0           0         0           0         0           0         0           0         0           0         0           13.8         18.2           18.3         18.2           18.3         18.2           0         0           &lt;</td> <td>b         6           3         66           3         3656           2         5244           0         0.22           0         0.22           0         0.22           0         0.22           0         0.22           0         0.22           0         0.22           0         0.22           0         0.22           0         0.22           0         0.22           0         0.22           0         7.68           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20      0</td> <td>A3         D         5           0         5         5           1552         1552         3088           0         0         0</td> <td>5           77           1176           2552           0           2.04</td> <td>A1 5 5 5 5 5 5 5 5 5 5 5 5 5</td>	5         5           6         5           7         5           7         7           7         7           7         7           7         7           7         7           7         7           7         7           7         7           7         7           7         7           7         7           7         7           7         8           7         8           7         8           8         7           8         7	B2         6           0         6           1904         3112           2.1         2.1           2.2         0           0         0           0         0           0         0           0         0           0         0           0         0           13.8         18.2           18.3         18.2           18.3         18.2           0         0           <	b         6           3         66           3         3656           2         5244           0         0.22           0         0.22           0         0.22           0         0.22           0         0.22           0         0.22           0         0.22           0         0.22           0         0.22           0         0.22           0         0.22           0         0.22           0         7.68           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20           0         0.20      0	A3         D         5           0         5         5           1552         1552         3088           0         0         0	5           77           1176           2552           0           2.04	A1 5 5 5 5 5 5 5 5 5 5 5 5 5

Table A-8

Table of results for foraminiferal occurrences for Treatment E (Oiled plot with nutrient enrichment and cut plants), Plot 3 and for Treatment F (Oiled plot with nutrient enrichment and agricultural disking), Plot 1, for weeks 0-22. Same format as Table A-1.

TREATMENT 3E	Olied plot	with nutrie	nt enrichm	ent and cut	plants		1		1		1	1				
Plot#date		3E/week1		3E/week3		3E/week5		3E/weeks		3E/week10		3E/week14		3E/week18		3E/week22
Composite #		81	D4	B3	F6	A2	F4	C1	E5	C2	E4	B2	F6	A3	D6	A1
Total # of species (L)	4	3	4	7	8	5		3		6	5	3	4	3	4	5
/10cc (T)	θ	6	7	7	8	8		5	6	7	5	5	5	5	6	5
Total # of individuals (L)	1192		1632		3168	6632				2984	3072	4312	3264	2008	1112	1872 3312
/10cc (T)	3776	4536	7360		4376	7960				4080			4672	3536	3352 0	3312
Eggerella advena (L)	0		0		0									0	0	0
Elphidium excavatum (L)	0		0													0
() ()	0		0												0	0
Glomospira gordialis (L)	0		0	0			0	0	0	0	0	0	0	0	0	0
, (Ť	0		0					0						0	0	0
Inner linings (L)	2.01		0.98		0.51	0.12		0			0			0	0	0.85
0	2.33		0.78		0.55	0.1						0.15		0.23	0.48	0.97
Miliammina fusca (L) (Ld)	18.8		21.6		17.7	55.3 10.8							22.8	44.6	14.4	28.2 22.7
(LG)	28		39.7					23.1							12.9	34.8
(Td)	0		17.8											5.45	3.7	13.2
Pseudo.limetis (L)	0		0											0	0	0
0	0		0											0	0	0
Thecamoebians (L)	0		0		1.01	0								0	0	
	0.21		0.22		0.73	0									0	
Tiphotrocha comprimata (L)	3.39		1.2													0
Trocha.inflata (L)	3.39		1.2											9.96	10.8	23.1
(Ld)	0		0											0.00	0	0
U (19)	Ő		10.3		11.9					8.43	11.6			10.4	14.8	17.1
(Td)	0		1.05		0											0
Trocha.macrescens (L)	0		0													
0	0		0												0	47.4
Trocha.mac.polystoma (L)	76.5		62.3		63.6 2.38	34.2		65.4						45.4	0.97	47.4
(Ld)	63.1		47.4		67.1	40.4								42.1	69	45.4
(Td)	00.1	1.31	0.69		1.91	0.5		0						2.15	0.69	1.08
Trocha.ochracea (L)	0		0			0					0.78	0		0	0.72	0.43
(T)	0	2.82	0.43	2.54	1.65	0.1	0.27	4.9	2.57	3.33	2.04	1.2	2.4	1.58	2.63	1.69
Ostracods (T#)	96	112	224	58	48	64	32	18	16	8	8	8	0	8	8	0
												1				
TREATMENT	Olled plat	with mutule	nt ourishm	ant and an	doutiunal di	sking										
TREATMENT 1F		with nutrie	nt enrichm		icuttural d			1F/weeks		1F/week10		1F/week14		1F/week18		1F/week22
Plot#date		with nutrie 1F/week1 B1	nt enrichm D4	ent and agi 1F/week3 B3	ricultural di F6	sking 1F/week5 A2	F4	1F/week8 C1	E5	1F/week10 C2	E4	1F/week14 B2	FS	1F/wesk18 A3	D6	1F/week22 A1
Plot#date Composite #		1F/week1		1F/week3 B3		1F/week5		C1		C2		B2	the second name of the second na	A3 4	4	
Plot#date	1F/week0 - 5 8	1F/week1 B1 8 7	D4 6	1F/week3 B3 6 8	F6 5	1F/week5 A2 5	e	C1 5	5	C2 5	5	B2 6	4	A3 4 5	4	A1 4 5
Plot#date Composite # Tota # of species (L)	1F/week0 - 5 6 1538	1F/week1 B1 7 1128	D4 8 1344	1F/week3 B3 6 8 1808	F6 5 6 1528	1F/week5 A2 5 6 1898	6 6 1924	C1 5 864	5 6 1696	C2 5 2208	5 5 1176	B2 6 6 2600	4 5 1218	A3 4 5 920	4 5 712	A1 4 5 1328
PlobWdate Composite # Tota # of species (L) /10cc (T) Tota # of individuals (L) /10cc (T)	1F/week0 	1F/week1 B1 6 7 1128 2680	D4 6 8 1344 3824	1F/week3 B3 6 8 1808 3216	F6 5 6 1528 3208	1F/week5 A2 6 1898 2498	6 6 1924 2508	C1 5 884 2088	5 6 1698 2720	C2 5 2208 3280	5 5 1176 1656	B2 6 2600 4136	4 5 1216 1808	A3 4 5 920 1818	4 5 712 1648	A1 4 5 1328 2352
PlobWdate Composite # Tota # of species (L) /10cc (T) Tota # of individuals (L) /10cc (T) Eggerella advena (L)	1F/week0 	1F/week1 B1 6 7 1128 2680 0	D4 6 8 1344 3624 0	1F/week3 B3 6 1808 3216 0.44	F6 5 6 1528 3208 0	1F/week5 A2 6 1696 2496 0	6 6 1924 2508	C1 5 884 2088 0	5 6 1696 2720 0.47	C2 5 2208 3280 0	5 5 1176 1656	B2 6 2600 4136 0.31	4 5 1216 1808 0	A3 4 5 920 1616 0	4 5 712 1648 0	A1 4 5 1328 2352 0
Plotwdate Composite # Tota # of species (L) /10c; (T) Tota # of individuals (L) /10c; (T) Eggerella advena (L) (T)	1F/week0 	1F/week1 B1 6 7 1128 2680 0 0	D4 6 1344 3624 0 0 0	1F/week3 B3 6 8 1808 3216 0.44 0.25	F6 5 1528 3208 0 0	1F/week5 A2 5 6 1696 2496 0 0	6 6 1924 2508 0 0	C1 5 864 2088 0 0	5 6 1696 2720 0.47 0.29	C2 5 2208 3280 0 0	5 5 1176 1656 0 0	B2 6 2600 4136 0.31 0.19	4 5 1216 1808 0 0	A3 4 5 920 1616 0 0	4 5 712 1648 0 0	A1 4 5 1328 2352 0
PlotWdate Composite # Tota # of species (L) /10cc (T) Tota # of individuals (L) /10cc (T) Eggerelia advena (L) (T) Elphidium excavatum (L)	1F/week0 - 5 6 1536 3168 0 0.51 0.51	1F/week1 B1 6 7 1128 2680 0 0 0	D4 6 8 1344 3824 0 0 0 0 0	1F/week3 B3 6 8 1808 3216 0.44 0.25 0	F6 5 6 1528 3208 0 0 0 0	1F/week5 A2 5 6 1698 2498 0 0 0 0 0	6 6 1924 2508 0 0 0 0 0	C1 5 864 2088 0 0 0 0	5 6 1698 2720 0.47 0.29 0	C2 5 2208 3280 0 0 0 0 0	5 5 1176 1656 0 0 0 0	B2 6 2600 4136 0.31 0.19	4 5 1216 1808 0 0 0 0	A3 4 5 920 1616 0 0 0	4 5 712 1648 0 0 0 0	A1 4 5 1328 2352 0 0 0 0
PlotWdate Composite # Tota # of species (L) /10c; (T) Tota # of individuals (L) /10c; (T) Eggerella advena (L) Ephidium excavatum (L) (T)	1F/week0 	1F/week1 B1 6 7 1128 2680 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 6 1344 3624 0 0 0	1F/week3 B3 6 8 1808 3216 0.44 0.25 0 0	F6 5 1528 3208 0 0 0 0	1F/week5 A2 5 6 1698 2498 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 1924 2508 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 864 2088 0 0 0 0 0	5 6 1696 2720 0.47 0.29 0 0	C2 5 2208 3280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 1176 1656 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 2800 4138 0.31 0.19 0.0 0 0 0 0 0 0 0	4 5 1216 1808 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 920 1618 0 0 0 0 0 0	4 5 712 1848 0 0 0 0 0 0	A1 4 5 1328 2352 0 0 0 0 0 0 0 0
PlotWdate Composite # Tota # of species (L) /10c; (T) Tota # of individuals (L) /10c; (T) Eggenelia advena (L) Eghidium excavatum (L) (T) Glomospira gordialis (L) (T)	1F/week0 - - - - - - - - - - - - - - - - - - -	1F/week1 B1 6 7 1128 2680 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 8 1344 3824 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/week3 B3 8 1808 3216 0.44 0.25 0 0 0 0 0 0 0	F6 5 6 1528 3208 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/week5 A2 5 6 1696 2496 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	e e 1924 2508 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 884 2088 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1698 2720 0.47 0.29 0 0 0 0 0 0 0 0	C2 55 2208 3280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 1176 1656 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 2800 4138 0.31 0.19 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 1218 1808 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 920 1616 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 712 1648 0 0 0 0 0 0 0 0 0	A1 4 5 1328 2352 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotyWate Composite # Tota # of species (L) /10cc (T) Egginella advena (L) Egginella advena (L) (T) Elphislum excavatum (L) (T) Glomospira gordialis (L) (nner linings (L)	1F/week0 - - - - - - - - - - - - - - - - - - -	1F/week1 B1 6 7 1128 2680 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 8 1344 3824 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/week3 B3 6 8 1808 3216 0.44 0.25 0 0 0 0 0 0 0 0 0 0 0 0 0	F6 5 6 1528 3208 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/week5 A2 5 6 1698 2498 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	e e 1924 2508 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 884 2088 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1698 2720 0.47 0.29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 2208 3280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 1176 1656 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 2800 4138 0.31 0.19 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 1216 1808 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 920 1618 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 712 1648 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 4 5 1328 2352 0 0 0 0 0 0 0 0 0 0 0 0 0
Plot#date Composite # Tota # of species (L) /10cc (T) Eggerelia advena (L) (T) Eghislum excavatum (L) (T) Elphislum excavatum (L) (T) Glonnospira gordialis (L) Inner linings (L) (T)	1F/week0 5 6 6 1536 3168 0 0 0.51 0 0 0 0 0 0 0 0 1.56 1.52	1F/week1 B1 6 7 1128 2680 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 8 1344 3624 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/week3 B3 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	F6 5 1528 3208 0 0 0 0 0 0 0 0 0 0 0 0 3.49	1F/week5 A2 5 6 1696 2496 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	e 1924 2508 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 884 2088 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1696 2720 0.47 0.29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 2208 3280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 1176 1656 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 2600 4136 0.31 0.19 0.00 0.00 0.00 0.00 0.00 0.00 0.0	4 5 1216 1808 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 920 1616 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 712 1648 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 4 5 1328 2352 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotWdate Composite # Tota # of species (L) /10cc (T) Tota # of individuals (L) /10cc (T) Eggenelia advena (L) Ephidium excavatum (L) (T) Glomospira gordialis (L) (T) inner linings (L) (T) Milliammina fusca (L)	1F/week0 - 5 8 3168 0 0.51 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/week1 B1	D4 6 8 1344 3624 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/week3 B3 6 8 1808 3216 0.44 0.25 0 0 0 0 0 0 0 0 0 0 8 8 1.74 6.19	F6 5 6 1528 3208 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/week5 A2 5 6 1698 2498 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	e 1924 2508 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 884 2088 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1696 2720 0.47 0.29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 2208 3280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 1176 1656 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 2600 4136 0.31 0.19 0.00 0.00 0.00 0.00 0.00 0.00 0.0	4 5 1216 1808 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 920 1616 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 712 1648 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 4 5 1328 2352 0 0 0 0 0 0 0 0 0 0 0 0 0
Plot#date Composite # Tota # of species (L) /10cc (T) Eggerelia advena (L) (T) Eghislum excavatum (L) (T) Elphislum excavatum (L) (T) Glonnospira gordialis (L) Inner linings (L) (T)	1F/waek0 5 6 6 1536 3168 0 0 0.51 0 0 0 0 0 0 0 1.56 1.52	1F/week1 B1 6 7 1128 2680 0 0 0 0 0 0 0 0 0 0 0 0 0	D4 8 1344 3624 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/week3 B3 6 8 1808 3216 0.44 0.25 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F6 5 6 1528 3208 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/week5 A2 5 6 6 1696 2496 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	e 6 1924 2508 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 884 2088 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1696 2720 0.47 0.29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 22080 3280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 1176 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 6 28000 41335 0.31 0.19 0.019 0.02 0.92 0.92 0.92 0.92 0.92 0.92	4 5 1218 1808 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 920 1616 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 712 1648 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 4 5 1328 2352 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotyWate Composite # Tota # of species (L) /10cc (T) Eggnerila advena (L) Eggnerila advena (L) (T) Eghidium excavatum (L) (T) Glomospira gordialis (L) (ner linings (L) (Milliammina fusca (L) (Ld) (Td) (Td)	1F/week0 - 5 6 1538 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/week1 B1	D4 6 8 1344 3624 00 00 00 00 00 00 00 00 00 0	1F/week3 B3 6 6 8 1808 3216 0.44 0.25 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F6 5 6 1528 3208 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/week5 A2 5 6 1998 2498 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 1924 2508 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 8844 2088 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1696 2720 0.47 0.29 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 22080 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 1176 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 6 28000 0.11 0.19 0.00 0.00 0.00 0.00 0.00 0	4 5 1216 1808 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 9200 1616 0 0 0 0 0 0 0 0 0 0 0 0 0	4 55 712 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 1328 2352 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotyWate Composite # Tota # of species (L) /10cc (T) Eggenelia advena (L) (T) Eggenelia advena (L) (T) Elphidium excevatum (L) (T) Glomospira gordialis (L) (L) (T) Miliammina fusca (L) (T) (T) Pseudo.limetis (L)	1F/week0 5 6 1536 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1FAvesk1 B1	D4 8 8 1344 3624 0 0 0 0 0 0 0 0 0 0 0 0 0	14F/week3 B3 6 8 8 1808 3216 0.44 0.25 0 0 0 0 0 0 0 0 0 0 0 0 0	F6 5 6 1528 3208 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/week5 A2 5 6 6 1096 2496 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 1924 2508 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 8844 2088 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1698 27200 0.47 0.29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 2208 3280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 1176 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 6 280000 4136 0.31 0.19 0.019 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.0	4 5 1216 1808 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 920 1616 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 712 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 51328 2352 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Plot#date Composite # Tota # of species (L) /10cc (T) Eggerelia advena (L) (T) Eggerelia advena (L) (T) Eghidium excavatum (L) (T) Elphidium excavatum (L) (T) (Inner linings (L) (T) Milliammina fusca (L) (T) Pseudo.limetis (L) (T)	1F/week0 5 6 1538 0 0 0.51 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1.56 1.52 5.73 9.1 17.2 1.47 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/week1 B1	D4 6 8 1344 3624 0 0 0 0 0 0 0 0 0 0 0 0 0	If/week3         B3         6         8         8         1808         3216         0.44         0.25         0         5.72         4.35         0         0.25         0         0         0.25         0         0         0.25         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         5.72         4.35         0	F6 5 6 3208 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/week5 A2 5 6 1996 2496 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 1924 2506 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 884 2088 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1699 2720 0.47 0.29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 2208 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 1176 1855 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2 6 6 26000 0.19 0.19 0.00 0.00 0.00 0.00 0.00 0	4 5 1210 1808 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 920 1818 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 712 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 4 5 1328 2352 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotyWate Composite # Tota # of species (L) /10cc (T) Tota # of individuals (L) /10cc; (T) Egginefila advena (L) Eghidium excavatum (L) Ephidium excavatum (L) Giomospira gordialis (L) (T) Millammina fusca (L) (Ld) (Td) Pseudo.limetis (L) Thecamoebians (L)	1F/week0	1F/week1 B1	D4 8 8 1344 3624 0 0 0 0 0 0 0 0 0 0 0 0 0	If/week3           B3         6           8         8           1808         3216           0.44         0.25           0         0           0         0           0         0           0         0           0.888         1.74           6.19         0           5.72         4.355           0         0.25           0         0.25           0         0.25	F6 5 6 1528 3208 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/week5 A2 5 6 1696 2496 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 1924 2506 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 864 2088 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1698 2720 0.47 0.29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 2208 3280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	B2 6 6 28000 41380 0.31 0.01 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 1210 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 920 1618 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 712 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 41 5 1328 2352 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotWdate Composite # Tota # of species (L) /10cc (T) Eggerelia advena (L) (T) Eggerelia advena (L) (T) Eiphisium excavatum (L) (T) Eiphisium excavatum (L) (T) (T) Inner linings (L) (T) (T) Pseudo.iimetis (L) (T) Thecamoebians (L) (T)	1F/week0 5 6 1536 31086 0 0 0.51 0 0 0 0 0 0 0 0 1.52 5.73 9.1 17.2 1.47 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/week1 B1	D4	If/real3         B3         6         8         8         8         8         8         8         8         8         3216         0.25         0         5.72         4.35         0         0.25         0         0         0.25         0         0         0         0.25         0 <th< td=""><td>F6 5 6 1528 3208 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>1F/week5 A2 5 6 1696 24966 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>6 6 1924 2506 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>C1 5 5 884 2088 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>5 6 16960 2720 0.47 0.29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>C2 5 5 2208 3280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>5 5 6 6 7 7 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7</td><td>B2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6</td><td>4 5 1216 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A3 5 920 1018 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>4 5 712 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A1</td></th<>	F6 5 6 1528 3208 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/week5 A2 5 6 1696 24966 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 1924 2506 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 884 2088 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 16960 2720 0.47 0.29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 2208 3280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 6 6 7 7 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	B2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	4 5 1216 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 5 920 1018 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 712 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
Plot#date Composite # Tota # of species (L) /10cc (T) Eggerelia advena (L) (Tota # of individuals (L) /10cc (T) Eggerelia advena (L) (T) Eghidium excavatum (L) (T) Glomospira gordialis (L) (T) (Inner linings (L) (Ld) (T) Pseudo.limetis (L) (T) Thecamoeblans (L) (T) Tipholmoha comprimata (L)	1F/week0 5 6 1536 3168 0 0 0.51 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/week1 B1	D4	If/reek3           B3         6           8         8           1808         3216           0.44         0.25           0         0	F8 5 6 1528 3208 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/week5 A2 5 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 1924 2508 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 884 2088 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1960 2720 0.47 0.299 0.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 2208 3280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 6 6 7 1177 6 6 6 6 6 6 6 6 7 6 7 6 7 6	B2	4 5 1210 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 5 920 1618 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 712 1848 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 5 1328 2352 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotyWate Composite # Tota # of species (L) /10cc (T) Egginella advena (L) Egginella advena (L) (Tota # of individuals (L) (Tota # of individuals (L) (T) Elphidium excavatum (L) Elphidium excavatum (L) (T) Glomospira gordialis (L) (T) Miliammina fusca (L) (T) Pseudo.limetis (L) (T) Thecamoebians (L) (T) Tiptorocha comprimat (L)	1FAvesk0 5 6 6 1533 1538 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/wesh1 B1	D4	If/reals3           B3         6           8         8           1808         3216           0.44         0.25           0         0           0         0           0         0           0         0           0         0           0         0           0.888         1.74           6.19         0           0.25         0           0         0.255           0         0	F6 5 6 1528 3208 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/week5 A2 5 6 19969 24969 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 1924 2508 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 5 5 884 2088 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 16960 2720 0.47 0.29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 2208 3280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1.09 1.22 1.95 12.55 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	B2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	4 5 121el 1308 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 5 920 1618 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 712 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 4 5 1328 2352 0 0 0 0 0 0 0 0 0 0 0 0 0
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PlotyWate Composite # Tota # of species (L) /10cc (T) Egginelia advena (L) (Tota # of individuals (L) /10cc (T) Egginelia advena (L) (T) Eghidium excavatum (L) (T) Eghidium excavatum (L) (T) Eghidium excavatum (L) (T) Eghidium excavatum (L) (T) Eghidium excavatum (L) (T) (Ld) (Tota) (Ld) (Tota) (Tota) (Tota) (Ld) (T) Troc ns.inflata (L) (T)	1FAvesk0 5 6 6 1533 3188 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/wesh1 B1	D4 6 8 8 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	If/reals3           B3         6           8         8           1808         3216           0.44         0.255           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0.888         1.74           6.19         0           0.25         0           0.25         0           0.25         0           0.55         0.44           13.68         13.68	F6 5 6 1528 3208 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/week5 A2 5 6 1990 2496 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6           6           6           6           6           6           1924           2568           0           0           0           0           0           0           0           0           0           0           0           0           0           0           11.2	C1 5 5 884 2088 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1960 2720 0.47 0.29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 2208 32800 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 6 6 7 7 25 6 7 7 25 6 7 7 25 6 7 25 6 7 25 6 7 25 6 7 25 6 7 25 6 7 25 7 25	B2         6           6         6           26000         155           0.31         0.16           0.02         0           0.02         0           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.03         0.02           0.04         0.02           0.05         0.02	4 5 1210 1308 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 920 1616 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 712 1648 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 4 5 1328 2352 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotWdate Composite # Tota # of species (L) /10cc (T) Eggurelia advena (L) (Tota # of individuals (L) /10cc (T) Eggurelia advena (L) (T) Ephisium excavatum (L) (T) Ephisium excavatum (L) (T) Ephisium excavatum (L) (T) Ephisium excavatum (L) (T) Ephisium excavatum (L) (T) (T) Pseudo.limetis (L) (T) Theoremobilans (L) (T) Theoremobilans (L) (T) Troc ns.inflata (L) (T) (T)	1FAvesk0 5 6 6 3168 3168 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/wesh1 B1	D4 6 8 3624 0 0 0 0 0 0 0 0 0 0 0 0 0	If/week3 B3 6 8 1808 3216 0.44 0.25 0 0 0 0 0 0 0 0 0 0 0 0 0	F6 5 6 1528 3208 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/week5 A2 5 6 1982 2498 2498 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	C1 5 5 884 2088 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	C2 5 5 2208 3280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 1176 1556 1656 0 0 0 0 0 0 0 0 0 0 0 0 0	B2         6           0         6           0         26000           0.18         0.19           0.01         0           0         0           17.5.9         0	4 5 1210 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 920 1618 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 712 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 4 5 1328 2352 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotyWate Composite # Composite # Tota # of species (L) /10cc (T) Eggreella advena (L) Eggreella advena (L) (Tota # of individuals (L) (T) Eggreella advena (L) (T) Eggreella advena (L) (T) Glonospira gordialis (L) (T) Inner linings (L) (T) Miliammina fusca (L) (T) Pseudo.limetis (L) (T) Thecamoebians (L) (T) Thecamoebians (L) (T) Troc ta.inflata (L) (T) (T) (Tota ta.inflata (L) (T) (T) (Tota ta.inflata (L) (T) (T) (T) (T) (T) (T) (T) (T) (L) (T) (T) (T) (T) (T) (T) (T) (T) (T) (T	1FAvesk0 5 6 6 1538 3188 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/wesh1 B1	D4 6 8 8 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	If/reals3           B3         6           8         8           1808         3216           0.44         0.25           0         0           0         0           0         0           0         0           0         0           0         0           0.884         1.74           0.755         0           0.255         0           0.255         0           0.255         0           0.255         0           0.255         0           0.255         0           0.255         0           0.255         0           0.255         0           0.044         13.68           1.822         0	F6 5 6 1528 3208 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1.05 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/week5 A2 5 6 19960 24960 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 7 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 9 2 3 8 8 9 9 2 3 8 9 2 5 8 8 9 2 5 9 8 7 9 2 5 9 8 7 9 2 5 9 8 7 9 2 5 9 8 7 9 2 5 9 8 7 9 2 5 9 8 7 9 2 5 9 8 7 9 2 5 9 8 7 9 2 3 8 9 9 2 1 8 7 9 2 3 8 9 9 2 1 8 7 9 2 3 8 9 9 2 1 8 7 9 2 1 8 7 9 2 1 8 7 9 2 1 8 7 9 2 3 8 9 9 2 1 8 7 9 2 1 8 7 9 2 1 8 7 9 2 1 8 7 9 2 1 8 7 9 2 1 8 7 9 2 1 8 7 9 2 1 8 7 9 2 1 8 7 9 9 0 9 1 1 1 4 2 1 8 7 9 9 9 1 1 1 4 1 1 1 2 1 8 7 1 1 1 2 1 8 7 1 1 1 2 1 8 7 1 1 1 2 1 8 7 1 1 1 2 1 1 1 2 1 8 7 1 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1	C1 55 884 2088 00 00 00 00 00 00 00 00 00 00 00 00	5 6 1966 2720 0.47 0.27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 2208 2208 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	B2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	4 5 1210 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 920 1616 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 712 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 4 5 1328 2352 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotyWate Composite # Tota # of species (L) /10cc (T) Egginelia advena (L) (Tota # of individuals (L) /10cc (T) Egginelia advena (L) (T) Eghidium excavatum (L) (T) Eghidium excavatum (L) (T) Eghidium excavatum (L) (T) Eghidium excavatum (L) (T) (Tota # advena (L) (T) Thecamoebians (L) (T) Trocha.inflata (L) (T) (Tocha.macrescens (L) (T)	1FAvesk0 5 6 6 1538 3188 0 0 51 5 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/wesh1 B1	D4 8 8 8 8 9 13444 3624 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	If/reek3           B3         6           8         8           1808         3216           0.44         0.255           0.0         0           0.0         0           0.0         0           0.0         0           0.0         0           0.055         0           0.025         0           0.255         0           0.255         0           0.255         0           15.5         0.44           13.868         1.822           0         0	F6         5           6         6           1528         3208           0         0	1F/week5 A2 5 6 19990 2498 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6         6           6         6           1924         2508           0         0           0         0           0         0           0         0           1.868         8.93           23.8         8.93           21.4         0           0         0           0.0323         0.12           0.12         0           0         0           0         0           0         0           0         0           0         0	C1 5 5 884 2088 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 1960 2720 0.47 0.29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 22080 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	B2         6           6         6           26000         10           0.19         0.19           0.10         0           0.02         0           0.03         0           0.04         0	4 5 1210 1200 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 920 16168 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 712 1648 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
PlotyWate Composite # Tota # of species (L) /10cc (T) Egginerila advena (L) (Tota # of individuals (L) /10cr (T) Egginerila advena (L) (T) Eghisium excavatum (L) (T) Giomospira gordialis (L) (T) Giomospira gordialis (L) (T) Giomospira gordialis (L) (T) Giomospira gordialis (L) (T) Giomospira gordialis (L) (T) Thecamoebians (L) (T) Thecamoebians (L) (T) Trocha.inflata (L) (T) Trocha.macrescens (L) (T) Trocha.macrescens (L)	1FAvesk0 5 6 6 1538 3188 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/wesh1 B1	D4 6 8 8 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	If/reek3           B3         6           8         8           1808         3216           0.44         0.255           0.0         0           0.0         0           0.0         0           0.0         0           0.0         0           0.055         0           0.025         0           0.255         0           0.255         0           0.255         0           15.5         0.44           13.868         1.822           0         0	F6 5 6 5 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/week5 A2 5 6 19960 24960 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6           6           6           6           1924           2508           0	C1 5 5 884 2088 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	C2 5 5 2208 2208 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 1176 1656 0 0 0 0 0 0 0 0 0 0 0 0 0	B2	4 5 1210 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 920 1616 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 712 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 4 5 1328 2352 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotyWate Composite # Tota # of species (L) /10cc (T) Egginella advena (L) Egginella advena (L) (Tota # of individuals (L) (Tota # of individuals (L) (Tota # of individuals (L) (T) Elphidium excavatum (L) Elphidium excavatum (L) (T) Glomospira gordialis (L) (T) (Tiner linings (L) (L) (T) Pasuido.limetis (L) (T) Trocha.inflata (L) (T) Trocha.macrescens (L) (T) Trocha.macrescens (L) (L)	1FAvesk0 5 6 6 3168 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/wesh1 B1	D4 6 8 8 8 9 9 9 9 9 9 9	If/reals3           B3         6           8         8           1808         3216           0.44         0.25           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0.88           1.74         6.19           0         0.25           0         0.25           0         0.25           0         0.25           0         0           0         0.25           0         0           0         0	F6         5           6         6           1528         3208           0         0	1F/week5 A2 5 6 19990 2498 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6           6           6           6           6           6           6           6           6           6           6           6           6           0	C1 5 5 884 2088 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	C2 5 5 2208 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 1176 1556 1656 1656 1656 1656 1656 1657 1657 1657 1657 1657 1657 1657 1657 1657 1657 1657 1657 1656 1657 165	B2         6           6         6           26000         10           0.19         0.31           0.19         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.03         0.02           0.04         0.02           0.05         0.02           0.05         0.02           0.05         0.02           0.05         0.02           0.05         0.02           0.05         0.02           0.05         0.02           0.05         0.02	4 5 121ele 1308 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 920 1618 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 712 1948 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1 4 5 1328 2352 0 0 0 0 0 0 0 0 0 0 0 0 0
PlotyWate Composite # Tota # of species (L) /10cc (T) Egginerila advena (L) (Tota # of individuals (L) /10cr (T) Egginerila advena (L) (T) Eghisium excavatum (L) (T) Giomospira gordialis (L) (T) (T) Giomospira gordialis (L) (T) (T) Giomospira gordialis (L) (T) (T) Milliammina fusca (L) (T) Thecamoebians (L) (T) Thecamoebians (L) (T) Thecamoebians (L) (T) Trocha.inflata (L) (T) Trocha.macrescens (L) (T) Trocha.macrescens (L)	1FAvesk0 5 6 6 1538 3188 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/wesh1 B1	D4 6 8 8 8 9 1344 3624 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	If/reals3           B3         6           8         8           1808         3216           0.44         0.25           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0.88           1.74         6.19           0         0.25           0         0.25           0         0.25           0         0.25           0         0           0         0.25           0         0           0         0	F6 5 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/week5 A2 5 6 19060 24900 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6           6           6           6           6           6           6           6           6           6           6           6           6           0	C1 5 5 884 2088 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 6 7200 7200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 2208 3280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	B2         6           6         6           26000         4136           0.191         0           0.010         0           0.010         0           0.020         0.97           0.020         0.97           0.020         0.097           0.020         0.097           0.020         0.097           0.020         0.097           0.020         0.097           0.020         0.097           0.020         0.000           0.000         0.000           0.000         0.000           0.000         0.000           0.000         0.000           0.000         0.000	4 5 121e 1308 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 920 1618 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 712 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
PlotyWate Composite # Tota # of species (L) /10cc (T) Egginelia advena (L) (Tota # of individuals (L) /10cc; (T) Egginelia advena (L) (T) Eghidium excavatum (L) (T) Eghidium excavatum (L) (T) Eghidium excavatum (L) (T) Eghidium excavatum (L) (T) Eghidium excavatum (L) (T) (Tota india function (T) Thecamoebians (L) (T) Trocha.macrescens (L) (Tocha.macrescens (L) (Eq) (T) (Eq) (C) (Eq) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C	1FAvesk0	1F/wesh1 B1	D4 6 8 8 8 9 1344 3624 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	If/reek3           B3         6           8         8           1808         3216           0.44         0.25           0.0         0           0.0         0           0.0         0           0.0         0           0.0         0           0.0         0           0.0         0           0.0         0           0.0         0           0.0         0           0.25         0           0.25         0           0.00         0           0.25         0           0.25         0           0.25         0           0.25         0           0.25         0           0.25         0           0.25         0           0.25         0           0.25         0           0.25         0           0.26         0           0.27         0           0.28         0           0.29         0           0.27         0           0.27         0           0.27 <td>F6         5           6         6           1528         3208           0         0           0         0           0         0           0         0           0         0           0         0           0         0           1.05         0           0         <td< td=""><td>1F/week5 A2 5 6 19690 24960 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>6           6           6           6           6           6           6           6           6           6           6           6           6           6           6           0</td><td>C1 5 5 884 2088 2088 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>5 6 6 1986 2720 0.47 0.2720 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>C2 5 5 2208 32800 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>5 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7</td><td>B2         6           6         6           26000         10           0.19         0.19           0.2000         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.03         0.02           0.04         0.02           0.05         0.03           0.04         0.04           0.04         0.04           0.04         0.04</td><td>4 5 121ele 1308 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A3 4 5 920 1616 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>4 5 712 1648 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A1</td></td<></td>	F6         5           6         6           1528         3208           0         0           0         0           0         0           0         0           0         0           0         0           0         0           1.05         0           0 <td< td=""><td>1F/week5 A2 5 6 19690 24960 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>6           6           6           6           6           6           6           6           6           6           6           6           6           6           6           0</td><td>C1 5 5 884 2088 2088 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>5 6 6 1986 2720 0.47 0.2720 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>C2 5 5 2208 32800 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>5 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7</td><td>B2         6           6         6           26000         10           0.19         0.19           0.2000         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.03         0.02           0.04         0.02           0.05         0.03           0.04         0.04           0.04         0.04           0.04         0.04</td><td>4 5 121ele 1308 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A3 4 5 920 1616 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>4 5 712 1648 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A1</td></td<>	1F/week5 A2 5 6 19690 24960 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6           6           6           6           6           6           6           6           6           6           6           6           6           6           6           0	C1 5 5 884 2088 2088 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 6 1986 2720 0.47 0.2720 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 2208 32800 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	B2         6           6         6           26000         10           0.19         0.19           0.2000         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.03         0.02           0.04         0.02           0.05         0.03           0.04         0.04           0.04         0.04           0.04         0.04	4 5 121ele 1308 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 920 1616 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 712 1648 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
PlotyWate Composite # Tota # of species (L) /10co (T) Tota # of individuals (L) /10co (T) Egginerila advena (L) Egginerila advena (L) (T) Egginerila advena (L) (T) Glomospira gordialis (L) (T) Inner linings (L) (T) Miliammina fusca (L) (T) Pseudo.limetis (L) (T) Thecamosbians (L) (T) Thecamosbians (L) (T) Troc na.inflata (L) (T) (Toc na.inflata (L) (T) (T) Troc na.macrescens (L) (L) (T) (T) Trochume.poystoms (L) (L) (T) (L) (L) (T) (L) (L) (T) (L) (L) (T) (L) (L) (L) (L) (L) (L) (L) (L) (L) (L	1FAvesk0 5 6 6 1538 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1F/wesh1 B1	D4 8 8 8 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	If/reek3           B3         6           8         8           1808         3216           0.44         0.25           0.0         0           0.0         0           0.0         0           0.0         0           0.0         0           0.0         0           0.0         0           0.0         0           0.0         0           0.0         0           0.25         0           0.25         0           0.00         0           0.25         0           0.25         0           0.25         0           0.25         0           0.25         0           0.25         0           0.25         0           0.25         0           0.25         0           0.25         0           0.26         0           0.27         0           0.28         0           0.29         0           0.27         0           0.27         0           0.27 <td>F6           5           6           3208           00           0<td>1F/week5 A2 5 6 19960 24960 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>6           6           6           6           6           6           6           6           6           6           6           6           6           6           6           0</td><td>C1 5 5 884 2088 2088 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>5 6 6 1986 2720 0.47 0.270 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>C2 5 5 2208 32800 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>5 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7</td><td>B2         6           6         6           26000         10           0.19         0.19           0.2000         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.03         0.02           0.04         0.02           0.05         0.03           0.04         0.04           0.04         0.04           0.04         0.04</td><td>4 5 121ele 1308 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A3 4 5 920 1616 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>4 5 712 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>A1</td></td>	F6           5           6           3208           00           0 <td>1F/week5 A2 5 6 19960 24960 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>6           6           6           6           6           6           6           6           6           6           6           6           6           6           6           0</td> <td>C1 5 5 884 2088 2088 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>5 6 6 1986 2720 0.47 0.270 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>C2 5 5 2208 32800 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>5 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7</td> <td>B2         6           6         6           26000         10           0.19         0.19           0.2000         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.03         0.02           0.04         0.02           0.05         0.03           0.04         0.04           0.04         0.04           0.04         0.04</td> <td>4 5 121ele 1308 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A3 4 5 920 1616 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>4 5 712 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A1</td>	1F/week5 A2 5 6 19960 24960 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6           6           6           6           6           6           6           6           6           6           6           6           6           6           6           0	C1 5 5 884 2088 2088 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 6 1986 2720 0.47 0.270 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 2208 32800 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	B2         6           6         6           26000         10           0.19         0.19           0.2000         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.03         0.02           0.04         0.02           0.05         0.03           0.04         0.04           0.04         0.04           0.04         0.04	4 5 121ele 1308 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 920 1616 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 712 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1
PlotyWate Composite # Tota # of species (L) /10cc (T) Egginelia advena (L) (Tota # of individuals (L) /10cc; (T) Egginelia advena (L) (T) Eghidium excavatum (L) (T) Eghidium excavatum (L) (T) Eghidium excavatum (L) (T) Eghidium excavatum (L) (T) Eghidium excavatum (L) (T) (Tota india function (T) Thecamoebians (L) (T) Trocha.macrescens (L) (Tocha.macrescens (L) (Eq) (T) (Eq) (C) (Eq) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C	1FAvesk0	1F/week1 B1	D4 6 8 8 8 9 1344 3624 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	If/reek3           B3         6           8         8           1808         3216           0.44         0.25           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0.88           1.74         0.97           0.25         0           0         0.25           0         0.25           0         0.25           0         0.25           0         0.25           0         0.25           0         0.25           0         0.25           0         0.25           0         0.44           13.68         1.82           0         0.87           0.87         0.87           0.87         1.77           3.48         3.48	F6         5           6         6           1528         3208           0         0           0         0           0         0           0         0           0         0           0         0           0         0           1.05         0           0         0      0         0     <	1F/week5 A2 5 6 19960 24960 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6           6           6           6           6           6           1924           2508           0 </td <td>C1 5 884 2088 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>5 6 6 72720 72720 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>C2 5 5 2208 32800 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>5 5 6 1177 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>B2         6           6         6           26000         136           0.19         0.01           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.04         0.031           1.74         1.74</td> <td>4 5 121e<sup>10</sup> 1308 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A3 4 5 920 1616 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>4 5 712 1648 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>A1</td>	C1 5 884 2088 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 6 72720 72720 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C2 5 5 2208 32800 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 6 1177 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B2         6           6         6           26000         136           0.19         0.01           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.02         0.02           0.04         0.031           1.74         1.74	4 5 121e <sup>10</sup> 1308 0 0 0 0 0 0 0 0 0 0 0 0 0	A3 4 5 920 1616 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 712 1648 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A1

**Table A-9**Table of results for foraminiferal occurrences for Treatment F (Oiled plot<br/>with nutrient enrichment and agricultural disking), Plot 2 and 3, for weeks<br/>0-22. Same format as Table A-1.

TREATMENT 2F	Ollad plat	udh mutele	nt and about		1	able a								_		_
Plot#date	2F/week0	with nutrie 2F/week1	nt enrichm	ent and age 2F/week3	icultural d	2F/week5		2F/wesk8		2F/week10		2F/week14		2F/week18		2F/week22
Composite #	-	B1	D4	B3	F6	A2	F4	C1	E5	C2	E4	B2	F5	A3	D6	A1
Total # of species (L)	6			6	6	5	6	6	7	6		5	5	6	4	3
/10cc (T)	7	6		8	8		6	8	9	6		7	6	6	5	5
Total # of individuals (L)	464	376					3928	1084	2080	1640		1088	2458	832	1392	1480
/10cc (T)	1096	3024	8728			2848		2152	5240	2096		2152	3248	1280	2360	2768
Eggerella advena (L)	1.72	0	0	0			0	0	0	0		1.47	0	0.96	0	0
<u>()</u>	1.40							0	0	0		1.12	0.25	0.63	0	0
Elphidium excavatum (L)	0							0	0				0		0	0
	0							0	0	0		0	0	0	0	0
Glomospira gordialis (L) (T)	0							0	0.15	0		0	0	0	0	0
Inner linings (L)	10.3		0.69		0.31		0.2	2.28	1.92	0.98		0.74	0.98	1.92	0	0
(L)	5.84	1.57	1.01	10.1	1.96		1.05	4.83	1.98	2.67		0.74	1.97	2.5	1.38	2.02
Milliammina fusca (L)	1.72		17.9					24.1	28.8	6.83		0.74	7.17	9.62	11.5	13
(Ld)	0		10.4	14.3	13.8	29.2	19.3	6.25	18.7	21.4		0	4.55	20	0	8.33
Ū	6.57							21,9	23.1	5.73		4.09	7.14	7.5	12.2	10.1
(Td)	0		17.7	22.7	1.55			6.78	13.9	20		9.09	3.45	25	0	8.57
Pseudo.limetis (L)	0							0	0	0		0	0	0	0	0
These most land ()	0		0.09		0.1		0	0.37	0.31	0	-	0	0		0	0
Thecamoeblans (L)	0			1.32				0.37	0.31							0
Tiphotrocha comprimata (L)	0				0.1				0.31	0.36					0	0
(T)	0.73							0.74	1.07	0			Ő		0	0
Trocha.inflata (L)	0	4.3						5.28	7.69	5.85		2.94			9.77	7.57
(Ld)	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0
(T)	0							2.6				2.6			8.47	5.78
(Td)	0							0	0		the second se	0			0	
Trocha.macrescens (L)	0															
()	0														0	
Trocha.mac.polystoma (L) (Ld)	75.9						72.5	66.2	58.5			94.1	85		78.2	79.5
(La)	72.3				2.00			61.7	67	84		90	83		72.2	
(БТ)	0		2.92		2.7			1.2	1.82	0.91		1.85		0.0	0	00.0
Trocha.ochracea (L)	1.72							1.5		0.98		0			0.57	0
(T)	6.57	8.09	1.28	8.81	1.76	1.97	2.64	7.43	2.44	2.87	2.12	0.74	1.48	5.83	5.76	1.73
Ostracods (T#)	50															0
(1#)	58	98	168	58	88	32	24	18	24	C	0	0	0	0	8	0
							24	16	24		0	C	0	0	8	
TREATMENT 3F	Oiled plot	with nutrie		ent and ag		isking	24		24		0				8	
TREATMENT 3F Plot#date		with nutrie 3F/week1	nt enrichm	ent and ag 3F/wesk3	ricultural d	isking 3F/week5		3F/week8		3F/week10		3F/weak14		3F/week18		3F/week22
TREATMENT 3F Plot#date Composite #	Olied plot 3F/week0 -	with nutrie 3F/week1 B1	nt enrichm D4	ent and agi 3F/week3 B3	ricultural d	isking 3F/week5 A2	F4	3F/week8 C1	24 E5	SF/week10 C2	E4	3F/wesk14 B2	F5	3F/week18 A3	D6	
TREATMENT 3F Plot#date Composite # Total # of species (L)	Olied plot 3F/week0 - 4	with nutrie 3F/week1 B1 5	nt enrichm D4 5	ent and agi 3F/week3 B3 6	F6 6	isking 3F/week5 A2	F4 6	3F/week8	E54	SF/week10 C2	E4 5	3F/wesk14 B2	F5 5	3F/week18 A3 4	D64	3F/week22 A1 5
TREATMENT 3F Plot#/date Composite # Total # of species (L) /10cc (T)	Olied plot 3F/week0 -	with nutrie 3F/week1 B1 5 6	nt enrichm D4 5	ent and ag 3F/week3 B3 6 7	F6 6 8	Isking 3F/week5 A2 6	F4 6	3F/week8 C1 7 9	E5 4	3F/week10 C2	E4 5 5	3F/weak14 B2 5	F5 5	3F/week18 A3 4 6	D6 4 5	3F/week22 A1 5 5
TREATMENT 3F Plot#date Composite # Total # of species (L)	Olied plot 3F/week0 - 4 5	with nutrie 3F/week1 B1 5 6 1104	nt enrichm D4 5 8 2256	ent and ag 3F/week3 B3 6 7 2912	F6 6 8 2656	Isking 3F/week5 A2 6 1888	F4 6 7 6240	3F/week8 C1 7 9	E5 4	3F/week10 C2	E4 5 5 3528	3F/wesk14 B2 5 1744	F5 5 1832	3F/week18 A3 4 8 1912	D6 4 5 1320	3F/week22 A1 5 1592
TREATMENT 3F Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuals (L)	Olied plot 3F/week0 - 416 992 0	with nutrie 3F/week1 B1 5 6 1104 2392 0	nt enrichm D4 5 8 2256 4264 0	ent and ag 3F/week3 B3 6 7 2912 4776 0	ricultural d F6 0 2656 7064 0.3	Isking 3F/week5 A2 1888 3440	F4 6240 8624 0	3F/week8 C1 7 9 3968 6176 0.2	E5 4 3538 5232 0	3F/week10 C2 2800 3336	E4 5 3528 4304 0 0	3F/week14 B2 5 1744 2224	F5 5 6 1832 3120	3F/week18 A3 4 1912 4240 0	D6 4 5 1320 1976 0	3F/week22 A1 5 1592 2656 0
TREATMENT 3F Plot#idate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerelia advena (L)	Olied plot 3F/week0 - 416 992 0	with nutrie 3F/week1 B1 5 6 1104 2392 0 0	nt enrichm D4 5 8 2256 4264 0 0	ent and ag 3F/wesk3 B3 6 7 2912 4776 0 0 0	F6 6 2656 7064 0.3 0.11	Isking 3F/week5 A2 0 1888 3440 0 0	F4 8 7 6240 8624 0 0 0	3F/week8 C1 39988 6176 0.2 0.13	E5 4 3538 5232 0	3F/week10 C2 2600 3336 0	E4 55 3528 4304 0 00	3F/week14 B2 5 1744 2224 0	F5 5 1832 3120 0	3F/week18 A3 4 1912 4240 0	D6 4 5 1320 1978 0 0	3F/week22 A1 5 1592 2656 0 0
TREATMENT 3F Plot#/date Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerelia advena (L) Ephidium excavatum (L)	Olied plot 3F/week0 - 416 992 00	with nutrie 3F/week1 B1 5 6 6 1104 2392 0 0 0 0 0	nt enrichm D4 5 8 2256 4264 0 0 0 0	ent and ag 3F/wesk3 B3 2912 4776 0 0 0	F6 6 2656 7064 0.3 0.11	Isking 3F/week5 A2 1888 3440 0000000000000000000000000000000	F4 8240 8624 0 0 0 0	3F/week8 C1 39988 6176 0.2 0.13 0	E5 4 3538 5232 0 0 0	3F/week10 C2 2600 3336 0 0	E4 55 3528 34304 0 0 0 0	3F/week14 B2 5 1744 2224 0 0 0	F5 6 1832 3120 0 0	3F/week18 A3 1912 4240 0 0	D6 4 50 1320 1976 0 0 0	3F/week22 A1 55 1592 2656 0 0 0
TREATMENT 3F Plot#idate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerelia advena (L) Egpindium excavelum (L) (T)	Olied plot 3F/week0 - 416 992 00 00 00	with nutrie 3F/week1 B1 5 6 1104 2392 0 0 0 0 0 0	nt enrichm D4 2256 4264 0 0 0 0	ent and ag 3F/week3 B3 6 7 2912 4776 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F6 6 2656 7064 0.3 0.11 0 0	Isking 3F/week5 A2 1888 3440 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F4 8 7 8240 8624 0 0 0 0 0 0 0	3F/week8 C1 7 99 3968 6176 0.2 0.13 0 0 0 0	E5 4 3538 5232 0 0 0 0 0	3F/week10 C2 2600 3330 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E4 55 3528 34304 0 0 0 0 0 0 0 0	3F/week14 B2 5 1744 2224 0 0 0 0 0	F5 5 6 1832 3120 0 0 0 0	3F/week18 A3 1912 4240 0 0 0 0	D6 4 55 1320 1976 0 0 0 0	3F/week22 A1 5 1592 2656 0 0 0 0 0
TREATMENT 3F Plot#idate Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerelia advena (L) Elphidlum excavstum (L) Glomospira gordialis (L)	Olied plot 3F/week0 - 416 992 00 00 00 00 00 00 00 00 00 00 00 00 00	with nutrie 3F/week1 B1 5 6 1104 2392 0 0 0 0 0 0 0 0 0 0 0 0 0	nt enrichm D4 5 8 2256 4264 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ent and ag 3F/week3 B3 6 7 2912 4776 0 0 0 0 0 0 0 0 0 0 0 0 0	F6 6 8 2656 7064 0.3 0.11 0 0 0 0 0 0 0 0 0 0 0 0 0	sking 3F/week5 A2 6 6 1888 3440 0 0 0 0 0 0 0 0 0 0 0 0 0	F4 6 7 6240 8624 0 0 0 0 0 0 0 0 0	3F/week8 C1 7 99 3968 6176 0.2 0.13 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 4 3538 5232 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week10 C2 2600 3336 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E4 5 55 3528 4304 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/wesh14 B2 5 1744 2224 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F5 6 1832 3120 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week18 A3 4 1912 4240 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D6 4 5 1320 1976 0 0 0 0 0 0 0 0	3F/wesk22 A1 5 55 1592 2856 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
TREATMENT 3F Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) Ephidlum excavatum (L) Glornospira gordialis (L) (T)	Olied plot 3F/week0 - 416 992 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	with nutrie SF/week1 B1 5 6 1104 2392 0 0 0 0 0 0 0 0 0 0 0 0 0	nt enrichm D4 55 8 2256 4264 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ent and ag 3F/week3 B3 6 7 2912 4776 0 0 0 0 0 0 0 0 0 0 0 0 0	F6 6 8 2656 7064 0.3 0.11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	sking 37/week5 A2 6 1888 3440 0 0 0 0 0 0 0 0 0 0 0 0 0	F4 6 7 6240 8624 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week8 C1 7 9 3968 6176 0.2 0.13 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 4 8 3538 5232 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week10 C2 2800 3336 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E4 5 5 3528 4304 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/wesk14 B2 5 1744 2224 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F5 6 1832 3120 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week18 A3 4 8 1912 4240 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D6 4 5 1320 1976 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/wesk22 A1 5 1592 2856 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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TREATMENT 3F Plot#/date Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) Eghidium excavetum (L) Glomospira gordialis (L) (T) Inner linings (L) (Miliammina fusca (L) (T)	Cilied plot 3F/wesk0 - 4 4 5 416 992 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	with nutrie 3F/week1 B1 1104 2392 0 0 0 0 0 0 0 0 0 0 0 0 1.45 2.66 11.6 12.5	nt enrichm D4 22566 4284 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ent and ag 3F/week3 B3 6 7 2912 4776 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ricultural d F6 6 8 2656 7064 0.3 0.11 0 0 0 0 0 0 0 0 0 0 18.1 16.7 18.1	isking SF/weeks A2 6 1886 3440 C C C C C C C C C C C C C	F4 6 27 6 240 8 624 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week8 C1 7 9939688 61770 0.13 0 0 0 0 0 0 0 0 0 0 0 2.222 19.6	E5 4 6 3536 5232 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week10 C2 2800 3336 C0 C C C C C C C C C C C C C C C C C C	E4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	3F/weah14 B2 5 5 5 5 5 5 5 5 6 6 6 6 6 6 6 7 7 6 7 7 7 7	F5 5 6 1832 3120 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week18 A3 4 6 1912 4240 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D6 4 5 13200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week22 A1 55 55 1592 2856 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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TREATMENT 3F Plot#/date Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerelia advena (L) Ephidium excavetum (L) Glomospira gordialls (L) (I) Inner linings (L) (I) Miliammina fusca (L) (I) Pseudo.limetis (L) (T)	Olled piot 3F/week0 - 416 992 0 0 0 0 0 0 0 0 0 0 0 0 0	with nutrie 3F/week1 B1 5 6 6 1104 2392 0 0 0 0 0 0 0 0 0 0 0 0 0	nt enrichm D4 5 8 2256 4264 0 0 0 0 0 0 0 0 0 0 0 0 0	ent and ag 3F/week5 B3 6 7 2012 4776 0 0 0 0 0 0 0 0 0 0 0 0 0	F6 F6 6 7064 7064 0.3 0.11 0 0 0 0 0 0 0 0 0 0 0 0 0	Isking Isking Isking Isking 0 0 0 0 0 0 0 0 0 0 0 0 0	F4 6 7 6240 8624 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week8 C1 7 9 3988 6176 0.2 0.13 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E8	3F/week10 C2 2800 3333 ( C C C C C C C C C C C C C C C C	E4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 0	3F/wesh14 B2 5 5 1744 2224 C C C C C C C C C C C C C C C C	F5 6 1832 3120 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week18 A3 4 6 1912 4240 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D6 4 5 1320 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week22 A1 5 5 5 5 5 5 5 5 5 5 5 6 0 0 0 0 0 0 0 0
TREATMENT 3F Plot#/date Composite # Total # of species (L) /10cc (T) Total # of species (L) /10cc (T) Eggerelia advena (L) Eggerelia advena (L) (T) Eiphidium excavatum (L) (T) Glomospira gordialis (L) (T) Milliammina fusca (L) (Ld) (T) Pseudo.limetis (L) Thecamoebiens (L)	Olied piot 3F/week0 - 418 992 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	with nutrie 3F/week1 B1 5 6 6 1104 2392 0 0 0 0 0 0 0 0 0 0 0 0 0	D4           5           8           2259           4284           0	ent and ag 3F/weak5 B3 6 7 2912 4776 0 0 0 0 0 0 0 0 0 0 0 0 0	F6 6 8 2055 7064 0.3 0.11 0 0 0 0 0 0 0 0 0 0 0 0 0	Isking Isking SF/wet5 A2 6 1888 3440 C C C C C C C C C C C C C	F4 6 7 8240 8624 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week5 C1 990 6176 0.2 0.3 0.3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 4 6 35392 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week10 C2 2800 33336 C0 C0 C0 C0 C0 C0 C0 C0 C0 C0 C0 C0 C0	E4 5 5 3528 0 4304 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/wesh14 B2 5 5 7 7 44 2224 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F8 6 1832 3120 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week18 A3 4 6 1012 4240 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D6 4 5 1320 1076 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/wesk22 A1 55 2856 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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TREATMENT 3F Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) Ephidium excavatum (L) Ephidium excavatum (L) (T) Eiphidium excavatum (L) (I) Inner linings (L) (I) Milliammina fusca (L) (L) (Ld) (T) Pseudo.limetis (L) (T) Thecamoebians (L) (T) Theotascha comprimata (L)	Olied piot 3F/wesk0 - - - - - - - - - - - - - - - - - - -	with nutrie 3F/week1 B1 5 6 6 1104 2392 00 0 0 0 0 0 0 0 0 0 0 0 0	nt enrichm D4 5 8 8 2256 4264 4264 4264 0 0 0 0 0 0 0 0 0 0 0 0 0	ent and ag 3F/weak3 B3 6 7 2912 4776 0 0 0 0 0 0 0 0 0 0 0 0 0	F6 F6 6 8 2655 7064 0.3 0.11 0.1 0.1 0.0 0.0 0.0 0.7 0.7 0.7 18.6.7 19.9 12.5 0.0 0.7 0.1 1.25 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Isking Isking A2 6 1888 1888 3440 C C C C C C C C C C C C C	F4 6 7 6240 6624 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week8 C1 9 9 0 3968 6176 0.2 0.3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 4 6 35332 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week10 C2 2800 33333 C C C C C C C C C C C C C C C C	E4 5 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	3F/week14 B2 5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	F5 6 1832 1832 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week18 A3 4 6 1912 4240 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D6 4 5 1320 1976 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3FAvesk22 A1 5 5 2858 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
TREATMENT 3F Plot#date Composite # Total # of species (U) /10cc (T) Total # of species (U) /10cc (T) Eggerelia advena (L) (T) Eiphidium excaveium (L) (I) Glomospira gordialis (L) (I) Inner linings (L) (I) Miliammina fusca (L) (I) Pseudo.limetis (L) Thecamoebians (L) (T) Tphotrocha comprimata (L)	Olied plot 3F/week0 - - - - - - - - - - - - - - - - - - -	with nutrie 3F/week1 B1 5 6 1104 23922 0 0 0 0 0 0 0 0 0 0 0 0 0	nt enrichm D4 5 8 2256 4264 0 0 0 0 0 0 0 0 0 0 0 0 0	ent and ag 3F/week3 B3 6 7 2012 4776 0 0 0 0 0 0 0 0 0 0 0 0 0	Fe Picultural d Fe  Picultural d Picultura	isking JF/week5 A2 6 6 1886 344C C C C C C C C C C C C C C	F4 6 7 6240 8624 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week8 C1 7 9 3968 6176 0.2 0.13 0.0 0 0 0 0 0 0 2.222 2.22 2.22 2.22 2	E5 4 8 3536 5232 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week10 C2 5 2800 33345 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E4 5 5 3528 4304 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/vcsk14 B2 5 5 5 5 5 5 5 7 7 4 2224 0 7 7 6 0 92 0 7 7 2 1.1 8 8 6 6 92 0.7 7 2 21.1 9.6 92 0.7 7 2 1.7 4 9.6 92 0.0 9 9 0.0 9 9 9 0 9 9 9 0 9 9 9 9 9 9	F5 5 6 1832 31200 0 0 0 0 0 0 0 0 0 0 0 0	3F/week18 A3 4 6 1912 4240 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D6 4 5 1320 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week22 A1 5 5 5 5 5 5 5 5 6 0 0 0 0 0 0 0 0 0 0 0
TREATMENT 3F Plot#date Composite # Total # of species (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) Ephidium excavatum (L) Ephidium excavatum (L) (T) Eiphidium excavatum (L) (I) Inner linings (L) (I) Milliammina fusca (L) (L) (Ld) (T) Pseudo.limetis (L) (T) Thecamoebians (L) (T) Theotascha comprimata (L)	Olied piot 3F/week0 - - - - - - - - - - - - - - - - - - -	with nutrie 3F/week1 B1 5 6 6 1104 2392 00 0 0 0 0 0 0 0 0 0 0 0 0	nt enrichm D4 2256 4264 4264 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ent and ag 3F/week5 B3 7 2912 4776 0 0 0 0 0 0 0 0 0 0 0 0 0	Fe 6 8 8 8 8 8 8 8 8 8 8	Isking Isking 3F/wetk5 A2 C C C C C C C C C C C C C	F4 6 7 6240 8624 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week8 C1 9 3968 6176 0.2 0.13 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 4 6 5532 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week10 C2 2800 33333 C C C C C C C C C C C C C C C C	E4 5 3528 4304 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week14 B2 5 5 5 7 7 4 7 7 4 7 7 4 7 7 4 7 7 4 7 7 8 6 6 6 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7	F5 6 1832 3120 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week18 A3 4 6 1912 4240 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D6 4 5 1320 1978 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week22 A1 5 5 5 5 5 5 5 6 5 6 5 6 6 6 6 6 6 6 7 6 7
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TREATMENT 3F Plot#date Composite # Total # of species (U) /10cc (T) Total # of species (U) /10cc (T) Eggerelia advena (L) (T) Eiphidium excavelum (L) (T) Eiphidium excavelum (L) (T) Eiphidium excavelum (L) (T) Inner linings (L) (L) (T) (Total inflats (L) (T) Trocha.inflata (L) (T) Trocha.macrescene (L)	Olied plot 3F/week0 - - - - - - - - - - - - - - - - - - -	with nutrie 3F/week1 B1 5 6 1104 23922 0 0 0 0 0 0 0 0 0 0 0 0 0	nt enrichm D4 5 8 2256 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ent and ag 3F/week3 B3 6 7 2012 4776 0 0 0 0 0 0 0 0 0 0 0 0 0	Fe Fe 8 2656 7064 0.3 0.11 0 0 0 0 0 0 0 0 0 0	isking JF/week5 A2 6 6 1886 344C C C C C C C C C C C C C C	F4 8 7 8240 8242 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week8 C1 9 3968 6176 0.2 0.13 0.0 0 0 0 0.2 2.22 2.2 2.2 2.2 2.2 2.2	E5 4 6 3536 5232 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week10 C2 5 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 7.16 6 6 6 6 6 6 6 6 7.16 7 7.17 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 7 7 7	E4 5 5 3528 4304 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/vesk14 B2 5 5 5 5 5 5 5 7 7 4 2224 0 0 6 0 6 0 9 2 0 7 2 1,1 5 6 0 9 2 0 7 2 1,1 7 4 1 9,4 7 9,5 7 7,55 6 6 0 6 7,55 7 7,55 7,55 7,55 7,5577 7,557 7,5577 7,5577 7,5577 7,5577 7,5577 7,5577 7,5577 7,55777 7,55777 7,55777 7,557777 7,557777777 7,5577777777	F5 5 6 1832 31200 0 0 0 0 0 0 0 0 0 0 0 0	3F/week18 A3 4 4240 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D6 4 5 1320 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week22 A1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
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TREATMENT 3F Plot#/date Composite # Total # of species (U) /10cc (T) Total # of species (U) /10cc (T) Eggerella advena (U) Eggerella advena (U) Glomospira gordialis (U) Inner linings (U) Milliammina fusca (U) (Id) (Id) (Id) (Id) (Id) (Id) (Tocha.inflata (U) (Id) (Id) (Id) (Id) (Id) (Id) (Id) (Id	Olied piot 3F/week0 - - - - - - - - - - - - - - - - - - -	with nutrie 3F/week1 B1 5 6 1104 23922 0 0 0 0 0 0 0 0 0 0 0 0 0	nt enrichm D4 2256 4264 4264 4264 4264 4264 4264 4264 00 00 00 00 00 00 00 00 00 0	ent and ag 3#/week3 B3 6 7 2912 4776 0 0 0 0 0 0 0 0 0 0 0 0 0	Ficultural d           Ficultural d           F6           6           8           2856           70644           0.3           0.11           0           0           0           0           0           0           0.797           0.6           0.792           0.6           0.792           0.6           0.792           0.6           0.792           0.6           0.792           0.6           0.792           0.6           0.792           0.6           0.792           0.6           0.792           0.6           0.792           0.6           0.792           0.6           0.792           0.6           0.792           0.6           0.792           0.6           0.793           0.849           0.0           0.87           0.87	isking JF/week5 A2 6 6 1886 344C C C C C C C C C C C C C C	F4 6 7 6240 8624 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week8 C1 9 3868 6176 0.2 0.13 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 4 6 3533 5232 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week10 C2 5 5 6 2800 33345 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E4 5 5 3528 43040 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/vesh14 B2 5 5 5 5 5 5 5 5 5 5 5 5 5	F5 6 6 1832 1832 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week18 A3 4 6 1912 4240 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D6 4 5 1320 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week22 A1 5 5 5 5 5 5 5 5 5 6 0 0 0 0 0 0 0 0 0 0
TREATMENT 3F Flot#/date Composite # Total # of inpecies (L) /10cc (T) Total # of individuals (L) /10cc (T) Eggerella advena (L) Eggerella advena (L) Eghidium excavatum (L) Eiphidium excavatum exca	Olied piot 3F/week0 - - - - - - - - - - - - - - - - - - -	with nutris 3F/week1 B1 5 5 6 1104 23922 0 0 0 0 0 0 0 0 0 0 0 0 0	nt enrichm D4 5 8 2256 2256 0 0 0 0 0 0 0 0 0 0 0 0 0	ent and ag shift and ag shift a	Fe Fe 8 2 2 2 2 2 2 2 2 2 2	isking isking 3F/wet/s A2	F4 6 7 6240 8624 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week8 C1 9 3068 6176 0.2 0.13 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 4 8 3533 5232 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week10 C2 2800 33362 33362 33362 33362 33362 33562 33562 33562 33562 33562 33562 33562 33562 33562 33562 33562 33562 33562 33562 33562 35567 35562 355662 355662 355662 355662 355662 355662 355662 355662 3556	E4 5 5 3528 4304 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/wesh14 B2 5 5 7 7 4 2224 2224 2224 2224 224 0 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 6 6 6 6 7 7 5 5 6 6 7 7 5 6 6 6 7 7 5 6 7 7 6 6 6 7 7 8 6 6 6 9 7 9 7 9 7 9 7 9 7 9 7 9 7 9 7 9	F5 6 6 1832 31200 0 0 0 0 0 0 0 0 0 0 0 0	3FAvesh18 A3 (1912) 42400 00 00 00 00 00 00 00 00 00 00 00 00	D6 4 5 1320 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week22 A1 5 5 5 5 5 5 5 5 5 6 0 0 0 0 0 0 0 0 0 0
TREATMENT 3F Plot#date Composite # Total # of species (U) /10cc (T) Total # of species (U) /10cc (T) Eggerella advena (U) Eggerella advena (U) Egperella advena (U) Egperella advena (U) (T) Elphidium excavelum (U) (T) Elphidium excavelum (U) (T) Milliammina fusca (U) (T) Milliammina fusca (U) (T) Tocha.met polysioma (U) (Ld) (T) Trocha.met polysioma (U) (Ld) (T) (T) (T)	Olied piot 3F/week0 - - - - - - - - - - - - - - - - - - -	with nutrie 3F/week1 B1 5 6 1104 23922 0 0 0 0 0 0 0 0 0 0 0 0 0	nt enrichm D4 5 8 2256 4264 4264 0 0 0 0 0 0 0 0 0 0 0 0 0	ent and ag shift and ag shift ag s	Fe Fe Fe Fe Fe Fe Fe Fe	isking isking isking 3F/veek5 A2 6 6 1886 3440 C C C C C C C C C C C C C	F4 8 7 6240 8624 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week8 C1 9 3068 6176 0.2 0.13 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E5 4 8 3539 5232 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week10 C2 5 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6	E4 5 5 3528 4304 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/vesh14 B2 5 5 5 5 5 5 5 5 5 5 7 7 4 2214 7 4 7 6 5 6 6 7 7 5 6 6 7 7 5 6 7 7 5 6 7 7 5 7 6 7 7 5 6 6 92 92 92 92 92 92 92 92 92 92 92 92 92	F5 6 1832 31200 0 0 0 0 0 0 0 0 0 0 0 0	3F/week18 A3 4 6 1912 4240 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D6 4 5 1320 0 0 0 0 0 0 0 0 0 0 0 0 0	3F/week22 A1 5 5 5 5 5 5 5 5 6 0 0 0 0 0 0 0 0 0 0 0

**Table A-10**Table of results for foraminiferal occurrences from Core 002, taken from<br/>Plot 2 (see Fig. 1.3). The living and total (live plus dead) number of the<br/>total number of species per 10cc, and the living and total (live plus dead)<br/>number of the total number of individuals per 10cc are included. Relative<br/>percentages of both living and total (live plus dead) foraminiferal species<br/>are also included. Percentages of living and total per individual species.<br/>Percentages of living deformed and total deformed per individual species<br/>represent the percentage out of the living and total for that species only.<br/>The whole number of living Ostracods is also included at the bottom of<br/>the table. L= living, T= total (live plus dead), Ld= living deformed, Td=<br/>total (live plus dead) deformed.

CORE #002					1		1			
Depth (cm)	0-1cm	1-2cm	2-3cm	3-4cm	4-5cm	5-6cm	6-7cm	7-8cm	8-9cm	9-10cm
Total # of species (L)	6	4	5	4	5	5	5	4	5	4
/10cc (T)	7	5	5	5	6	5	6	6	6	6
Total # of individuals (L)	2088	2096	2088	888	1096	976	976	528	1600	1392
/10cc (T)	3128	3040	3200	1768	2048	2672	6056	4152	4256	3504
Eggerella advena (L)	0.77	0	0	0	0	0	0		0	
(T)	0.51	0	0	0	0	0	0	0	0	0.68
Elphidium excavatum (L)	0	0	0	0						
(T)	0	0	0	0	0		-			
Glomospira gordialis (L)	0	0	0	0	0					
(T)	0	0	0	0	0	0	0	-	0	
Inner linings (L)	1.53	1.15	1.15	2.7	0.73	1.64	1.64	1.52	0	
(T)	2.81	1.05	2	3.62	1.17	1.2	1.06		0.56	
Miliammina fusca (L)	26.1	20.6	16.9	5.41	2.92	3.28	6.56		5.06	
(Ld)	0	1.85	0	0	0	9	0		0	0.00
(T)	22.8	20.5	16.8	4.52	1.56	3.89	26.3	49.1	5.94	42.9
(Td)	0	1.28	0	0	0	0	0			
Pseudo.limetis (L)	0	0	0	0	0	0	0			
(T)	0	0	0	0	0	0				
Thecamoebians (L)	0	0	0	0		0				
(T)	0.26	0	0	0	0	0	0	0.39	0	-
Tiphotrocha comprimata (L)	0	0	0	0	0	0		0		
(T)	0	0	0	0	0.78	0	0.13	0	0.38	
Trocha.inflata (L)	8.43	3.82	3.83	6.31	5.84	3.28	9.02	9.09	11	6.9
(Ld)	0	0	0	0	0	0	0	0	0	-
(T)	6.91	4.21	4	9.95	6.25	2.69	5.55	4.24	7.71	3.2
(Td)	0	0	0	0	0	0	0	0	0	
Trocha.macrescens (L)	0	0	0	0	0	0	0	0	0	
(T)	0	0	0	0	0	0	0	0	0	
Trocha.mac.polystoma (L)	62.5	74.4	77	85.6	90.5	91	82	81.8	46.5	
(Ld)	0	0	0	0	0.8	0	0	0	0	
(T)	63.9	72.1	73	80.1	88.7	87.7	65.9	45.1	41.4	
(Td)	0	0	0	0	0.39	0	0	0	0	
Trocha.ochracea (L)	0.77	0	1.15	0	0	0.82	0.82	0	1.5	
(T)	2.81	2.11	4.25	1.81	1.56	4.49	1.06	0.58	2.44	3.2
Ostracods (T#)	8	0	0	8	0	0	0	0	0	0