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REPORT

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ZBS2005-19 BASELINE SURVEYS OF PORTS AND MARINAS

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PORT OF ONEHUNGA INTRODUCED SPECIES PORT SURVEY FINAL REPORT

Marnie L Campbell¹, Emily J Jones², Dan McClary²

¹National Centre for Marine Conservation & Resource Sustainability
Locked Bag 1370
Newnham, Tasmania 7250
AUSTRALIA
TEL: +61 3 6324 3813
Email: m.campbell@amc.edu.au

²Golder Associates (NZ) Ltd.
P.O.Box 33-489
Takapuna, Auckland
NEW ZEALAND
TEL: +64 9 486 8068
www.golder.com



Executive Summary

The introduction of new species to environments in which they did not evolve has been widely recognised as one of the top five threats to marine ecosystem function and to biodiversity. The field of biosecurity has evolved to manage and mitigate risk associated with introduced species. To fully manage this issue, baseline data about the species present in a country's waters is required. To this end, MAF Biosecurity New Zealand has implemented a number of introduced species surveys in ports, marinas and pristine regions.

In June 2006 Golder Associates (NZ) Limited (formerly Kingett Mitchell) and the National Centre for Marine and Coastal Conservation implemented an introduced species survey in the Manukau Harbour including the Port of Onehunga, marinas and surrounding areas. The survey sampled 44 sites and followed the protocols developed by the Centre for Research on Introduced Marine Pests (CRIMP), using both quantitative and qualitative methods to sample soft and hard substrates and pelagic communities.

In 2008 the Marine Invasive Taxonomic Service clearing house completed the taxonomic analysis of specimens collected during this survey. A total of 2,690 samples were analysed, of which approximately 22% could not be identified to species level. Inability to identify samples to species level was due to either the samples being juveniles, the specimens being damaged or, in some instances, for no provided reason.

Of the samples with adequate taxonomic sufficiency, 342 taxa were identified; of which 317 were considered native, 16 were introduced (one algae [*Solieria* sp.], three arthropods [*Pyromiaia tuberculata*, *Jassa slatteryi*, and *Monocorophium acherusicum*], three ascidians [*Molgula manhattensis*, *Styela plicata*, and *Diplosoma listerianum*], four bryozoans [*Amathia distans*, *Cryptosula pallasiana*, *Conopeum seurati*, and *Bugula neritina*], one mollusc [*Crassostrea gigas*], and four polychaetes [*Polydora cornuta*, *Barantolla leptae*, *Polydora hoplura*, and *Neanthes aff. succinea*]), and nine were cryptogenic (one algae [*Sphaelaria* sp.], one arthropod [*Lysmata vittata*], one ascidian [*Microcosmus squamiger*], one cnidarian [Diadumenidae] and five polychaetes [*Paradoneis lyra*, *Capitella capitata*, *Levinsenia gracilis*, Sabellariidae, and Sabellidae]).

No Unwanted Organisms were detected during the survey of the port and surrounding areas. Preliminary evaluations had, however, suspected that specimens of *Styela clava* may have been detected at Onehunga wharf; the taxonomic clearinghouse did not provide confirmation of this tentative identification and on that basis it is not considered to have been detected. The introduced and cryptogenic species that were identified are recognised as having been transferred to New Zealand in both historic and modern times, and are not considered to pose a significant economic or environmental threat.

Sixty five samples of zooplankton were collected and analysed. The taxonomic clearing house indicated that "no suspect larvae were found" but did not identify the larvae that were found. Similarly, 85 dinoflagellate core samples were collected but no cysts (native, introduced or cryptogenic) were detected. This is an unusual occurrence and represents the first port survey that the authors have been involved in where no cysts were identified perhaps suggesting that the analysis methods were poorly implemented or that the javelin core did not adequately sample the substrate.

Preliminary analysis of the species detected during the survey occurred while in the field, with two species (*Diadumene lineata* and *Styela clava*) being classified as potential introductions and requiring further taxonomic analysis. The taxonomic clearinghouse has noted the Family Diadumenidae but did not identify if any of the five specimens were *Diadumene lineata*. As stated above, *Styela clava* was not identified by the clearinghouse taxonomists.



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1.0 INTRODUCTION

Introduced species have been identified as one of the major threats to biodiversity (Lubchenco *et al.* 1991; Carlton 1996; Gurevitch & Padilla 2004). In New Zealand, the Marine Biosecurity programme within the Biodiversity Strategy aims to improve knowledge of potentially invasive species and of marine biodiversity in areas most at risk from invasion (incursion ‘hot-spots’), as well as supporting the development of our compliance, surveillance and response capabilities.

Knowledge about the biodiversity and pest status (‘baseline information’) of New Zealand ports and other points of entry that have a high risk of invasion by new non-indigenous marine organisms is essential to the effective management of marine biosecurity (Hewitt *et al.* 2004). Eradication of invasive organisms is only likely to be feasible at the earliest stages of the invasion process before exponential population growth occurs. Hence, surveillance is the key to effective control to enable early detection and action. Despite the difficulties inherent in determining which plants or animals may pose a threat, we cannot wait until an organism is established and causing an impact to our economy or biodiversity before we class it as a pest and take action to control it. As such, a precautionary approach (e.g., Gullett 1997; Cooney 2004; Cooney & Dickson 2005; Peel 2005) has been adopted to aid management and decision-makers in marine biosecurity. Thus, New Zealand has implemented a number of baseline port surveys to elucidate the species (native, cryptogenic and introduced) present within ports, marinas and “pristine” regions.

Between 12 and 20 June 2006, Golder Associates (NZ) Ltd and the National Centre for Marine Conservation and Resource Sustainability (NCMCRS) undertook an introduced marine species baseline survey of the Port of Onehunga (Manukau), New Zealand. The aim of the survey was to undertake a port/marine baseline survey for introduced species using the protocols prepared by the Centre for Research on Introduced Marine Pests (CRIMP) (Hewitt & Martin 1996, 2001) and adhering to the survey design provided by MAF Biosecurity New Zealand (MAFBNZ).

Reporting requirement 5 of this contract requires that a draft survey report is submitted within 12 months of completing the survey. Subsequently, the 12 month deadline was extended based on when the taxonomic clearinghouse could provide feedback on samples. The draft report provides information pertaining to all sites sampled and follows the CRIMP reporting template. Herein, we present this information. This report is provided subject to limitations in Appendix A.

2.1 DESCRIPTION OF THE PORT

2.2 General Features of the Port

Manukau Harbour is one of the more extensive inlets on the west coast of New Zealand, covering an area of approximately 390 km² with more than 380 km of coastline. The harbour is relatively shallow and navigation is restricted to several clearly defined channels owing to the presence of extensive tidal sandbars, a curving sand bar situated several miles offshore across the harbour entrance, and the relatively narrow harbour entrance (www.poal.co.nz). Much of the coastline is fringed by mangroves. Manukau Harbour is a popular area for kayaking, water skiing, boating and fishing (www.arc.govt.nz).

The Port of Onehunga (Figure 1) is located in Manukau Harbour (36° 56'S, 174° 47'E) and is a profitable domestic port servicing coastal traders and the local fishing fleet. In general, this port handles bulk cargo (www.poal.co.nz). Situated on the south-western side of Auckland and immediately adjacent to the south-western motorway, the Port of Onehunga is close to the large industrial area of South Auckland. The facilities available at the port include an operating area of 5.2 ha, a berth area of 282 m in length that includes a roll-on/roll-off ramp, one hoist, as well as berths for fishing boats (www.poal.co.nz). The port also provides towage and piloting services on Manukau Harbour (POAL 2005).

The Port of Onehunga services coastal traders and handles cargo such as containers, cement, aggregate, dolomite, fish and roll-on/roll-off cargo, with Pacifica Shipping (connecting to Nelson and Lyttelton) and Milburn/Holcim Cement (linking Westport and Nelson) being prime users of the port (www.poal.co.nz). Sea-Tow also provides barge access to the harbour from other coastal locations. In general, the conventional



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wharves of Ports of Auckland Ltd. are used primarily for containers, break-bulk cargo such as cars, steel and timber, and bulk cargo such as gypsum and wheat (www.poal.co.nz).

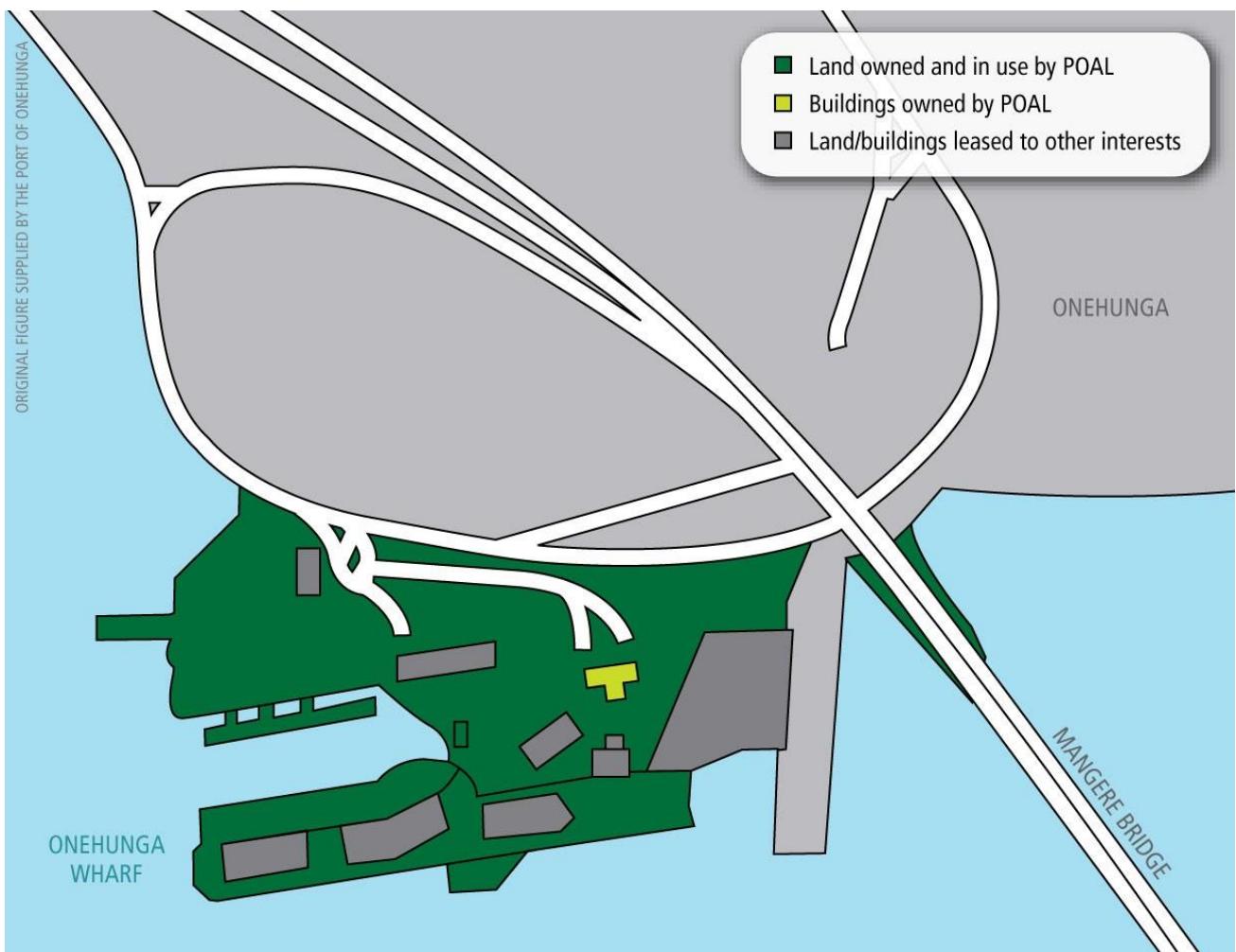


Figure 1: The Port of Onehunga (Source: www.poal.co.nz).

Two further sites are of potential biosecurity interest within the region: Mangere Bridge and the LPG terminal. The first Mangere Bridge was built in 1847 and was a narrow, one-way wooden bridge (Mogford 1977). Unfortunately the timber was attacked by ship-worm and by 1910 more than 30 piles and most of the decking had to be replaced. By 1914 the structure was declared unsafe. A new bridge was designed and the Prime Minister, Honourable W. F. Massey, drove in the first pile in 1914 (Mogford 1977). Within a few years, however, some of the spans had sagged and attempts to rectify the problem were only partially successful. Despite this, it was not until 1964 that plans for a new bridge were begun (Mogford 1977). The existing bridge has seven sets of piles situated within the main channel, occupying an area of around 130 m² and was designed to take into account potential enlargements to the port including the provision of a shipping berth, an additional navigation channel to enable passage to Pykes Point, and significant reclamation that will provide additional port land, a motorway extension and a cooling water outlet.

The LPG (liquid petroleum gas) terminal in the Manukau Harbour is managed by Liquigas Ltd., a private company in which the crown-owned Offshore Mining Co Ltd. is a 25% shareholder. Liquigas supplies LPG to the Auckland region through Manukau Harbour. LPG from Taranaki is unloaded from a coastal tanker at the terminal in Papakura Channel and conveyed by underground pipeline to an onshore depot (www.waitangi-tribunal.govt.nz).



Government funding was approved for the construction of another wharf at Cornwallis, ~18 km southwest of the Port of Onehunga, in 1926. The restoration of the wharf is currently under the management of Auckland Regional Council.

2.3 Historical Information – Port Development, Maintenance, and Shipping Movements

The first settlers arrived in Manukau Harbour in 1835, and from this time canoes, cutters, schooners, barges and other small craft traded in and out of the harbour from as far away as Hokianga and New Plymouth (Ballard 1991). These vessels brought supplies of grain, flour, fruit, vegetables, livestock, flax, kahikatea, and kauri wood and gum.

In 1847 the first Royal New Zealand Fencible soldiers arrived in Onehunga and the area became an important site for military and naval defence of the Auckland isthmus (Mogford 1977). This saw the town become well established as a major trading port (Ballard 1991). The first wharf at Onehunga was built in 1859 with a stone abutment leading out from the foot of Queen Street to the wharf (Mogford 1977). In 1857 Captain Thomas Wing became the pilot and harbourmaster for Manukau Harbour. During this time the advent of steamships meant Manukau Harbour became an important anchorage and a vital link from Auckland to Taranaki and Waikato during the Maori Wars.

One of the most notable incidences to occur in Manukau Harbour during the 1800s was the sinking of the *HMS Orpheus*, a 1,700 ton steam corvette. The harbour was known to have serious navigational shortcomings and these were highlighted on 7 February 1863 when the *HMS Orpheus* hit the middle bank of the Manukau Bar in fine, clear weather, resulting in the loss of 189 crew members (www.businesshistory.auckland.ac.nz). The Royal Navy subsequently banned its ships from using the harbour until improvements to the entrance were made (Carters Family History website 2006).

Later in the 1860s Onehunga became a major receiving port for large shipments of kauri timber and gum from the numerous small ports throughout Northland and Coromandel. A substantial wooden wharf was constructed in 1865, replacing the previous wharf and home-made jetties (Mogford 1977). Furthermore, access to Auckland was a full day's journey away over bad roads so maritime passenger traffic to Onehunga was frequent in the late 1800s, with passenger steamers operating within the harbour and between many of New Zealand's west coast ports (www.poal.co.nz; Ballard 1991). In the late 1870s, The Waiuku and Onehunga Steam Navigation Company were formed and the steamer *Manukau* was built to promote a regular goods and passenger service. Onehunga was also a frequent port of call for coastal vessels operating between other west coast ports.

The railway line between Auckland and Onehunga was completed in 1873 and passengers could commute to Auckland in under twenty minutes. Further railway links from Auckland to Whangarei and Tauranga were completed in 1925 and 1927, respectively. The construction of land-based transport options resulted in a decline in passengers and cargo being transported by coastal vessels out of ports such as Onehunga (www.businesshistory.auckland.ac.nz; www.poal.co.nz).

The North Island Main Trunk Railway opened in 1908 and had a profound effect on the pattern of shipping in Manukau Harbour. With better access to Auckland through the deeper and safer Waitemata Harbour and better links by rail to the city, trade on Manukau Harbour declined severely. Furthermore, wharf facilities and harbour improvements were not adequate. Subsequently, in 1913 the responsibility of Manukau Harbour and the Port of Onehunga transferred from the Railways Department to the Auckland Harbour Board, which in 1870 had been established by an Act of Parliament (www.businesshistory.auckland.ac.nz; Mogford 1977).

The onset of the First World War curtailed coastal shipping activities, with the passenger service discontinued and the tonnage of goods handled falling considerably (Mogford 1977). After the Second World War, however, there was an increase in the tonnage of goods handled at Onehunga. At this time, a new 120 m concrete wharf was added to the northern side of the old wharf, a new access road and loading ramp were formed, and cargo storage sheds were constructed. Consequently, for a time Onehunga became the largest coastal shipping port on the west coast of New Zealand (Mogford 1977; Figure 2). Incoming goods included grain from Lyttelton, malt, apples, hops and lime from Nelson, and cement from Golden Bay, while outwards goods from the industrial area centre of Onehunga steadily increased (Mogford 1977). From this time



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onwards the pattern of trade through the Port of Onehunga has fluctuated, particularly with the suspension of general cargo services at the port and the closure of the Northern Steamship Company in 1972 (Mogford 1977).

The New Zealand National Maritime Museum maintains a record of Auckland shipping movements, including records of most arrivals and some departures to the Port of Auckland. While most records are for Waitemata Harbour, extracts from shipping archives have provided a summary of international shipping activities in Manukau Harbour from 1916 to 1970. Figure 2 depicts the fluctuation in international shipping activity in Manukau Harbour from 1916 to 1970 and Table 1 provides a summary of the international ports-of-call associated with these shipping arrivals and departures.

International shipping arrivals followed similar patterns to that of the local shipping traffic with a steady increase between 1916 and 1919 (Figure 2), including ten repeat visits by the cargo steamship *SS Wallsend* between 1917 and 1919 which travelled from Australia (Devonport, Tasmania and Port Kembla, New South Wales). International shipping arrivals ceased during the period of the First and Second World Wars, but resumed in 1950 with a visit from the passenger vessel *MV Viti* from Sydney, Australia. Ships arriving from international waters were sporadic throughout the 1950s and visits were made every year in the 1960s, peaking at 24 international arrivals to Manukau Harbour in 1970 (Figure 2). Regular vessels visiting between the 1960s and 1970s included the Dutch-built *MV Holmburn*, a New Zealand-owned vessel trading to the Pacific (NZ Coastal Shipping 2006); *MV Holmdale* a passenger and cargo vessel dispatched to Rarotonga; and *MV Wellington Explorer* with ten visits to Onehunga from international waters between 1969 and 1970. The most common international ports-of-call connected on route with New Zealand included ports in Australia, Norfolk Island, New Caledonia and Fiji (Table 1).

Recent key developments at the Port of Onehunga include the opening of a container terminal in 1982, the transfer of the Auckland Harbour Board's land and assets (including the Port of Onehunga) to Ports of Auckland Ltd. by the Port Companies Act in 1988, the commencement of dredging operations in the Manukau Harbour to allow larger ships to enter the port in 1992, and the expansion to 24-hour operations at the port in 1996 (www.businesshistory.auckland.ac.nz).

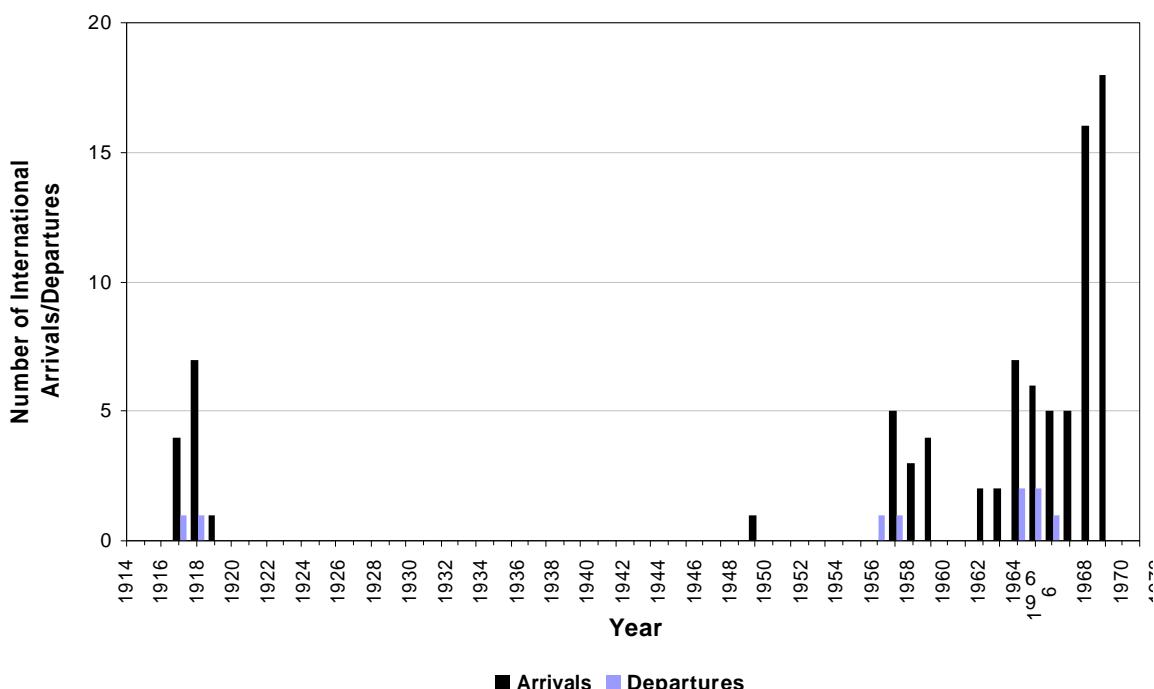


Figure 2: Frequency of international shipping arrivals to the Port of Onehunga from 1916 to 1970 (Source: New Zealand Maritime Museum archives).



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Table 1: Summary of the international ports-of-call associated with international shipping movements in Manukau Harbour between 1916 and 1970 (Source: New Zealand Maritime Museum archives).

Arrivals		Departures	
Port-of-Call	No. of visits	Port-of-Call	No. of visits
Brisbane, QLD, Australia	17	Newcastle, NSW, Australia	2
Bundaberg, QLD, Australia	15	Norfolk Island	2
Noumea, New Caledonia	14	Suva, Fiji	2
Norfolk Island, Australia	12	Grafton, NSW, Australia	1
Devonport, TAS, Australia	8	Noumea, New Caledonia	1
Sea (Seismic Survey)	5	Rarotonga, Cook Islands	1
Port Kembla, NSW, Australia	3		
Lautoka, Fiji	2		
Melbourne, VIC, Australia	2		
Milan thorpe, Cumbria, England	2		
Raoul Island, New Zealand	2		
Sydney, NSW, Australia	2		
Papute, Cook Islands (?)	1		
Rarotonga, Cook Islands	1		

3.0 REVIEW OF EXISTING BIOLOGICAL INFORMATION

Since the 1930s there have been a number of studies on the marine biological resources of Manukau Harbour, the earliest of which was made by Powell (1937). Other notable studies include those undertaken by Grange (1977, 1979), Henriques (1980), Thrush & Roper (1988) and Roper *et al.* (1988), which characterised large-scale differences in major habitats and biological communities. More recently, Pridmore *et al.* (1990a) intensively sampled select locations within the harbour to further describe the community structure and estimate population densities of benthic fauna. Biological information from these sources and others has been collated into a database of marine species found in Manukau Harbour and a discussion of these marine biological resources follows.

The first marine biological survey of Manukau Harbour was published by Powell (1937) and describes two main faunal assemblages found in the subtidal zone from depths of 4 to 31 m. Benthic sediment samples were collected using either a small naturalist's dredge with wide-angled deep-cutting jaws or a small conical dredge. Nine sites were sampled, including Titirangi Beach, between Cornwallis wharf and Big Muddy Creek, Cape Horn, Swatchway, between Cape Horn and Puketutu Island, Huia Bank, Te Hana Point, Wattie Bay, and Puponga Point. The first five sites listed above had a fine sand and silt substratum and a faunal assemblage described as a *Maoricolpus (manukauensis)* – *Nucula* association, while the remaining four sites had a substratum of fine sand that provided habitat for an assemblage described as an *Arachnoides* formation.

The *Maoricolpus (manukauensis)* – *Nucula* association was found specifically in the estuarine regions of the harbour from depths between 4 to 20 m. This assemblage is comprised of approximately 30 species, of which a subspecies of *Maoricolpus roseus* was dominant (*Maoricolpus roseus manukauensis*). The other relatively abundant species in this assemblage was the nut shell, *Nucula hartvigiana*. *N. hartvigiana* is common throughout New Zealand and typically occurs in intertidal and shallow water, especially on *Zostera* beds (Powell 1979). Overall, this faunal community was dominated by molluscs, with two crustaceans



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(*Halicarcinus varius* and *Notomithrax minor*), one ascidian, one identified polychaete (*Lepidonotus polychromus*) and several unidentified polychaete species also recorded during the survey.

The *Arachnoides* formation was recorded from the outer basin of Manukau Harbour, on a substratum of fine iron sand with comminuted shell and very little silt. The depth range was 7 to 31 m. The dominant species of the formation was the sand dollar urchin *Fellaster zelandiae* (previously *Arachnoides placenta*), while the gastropod *Zethalia zelandica* was also relatively abundant. The fauna of this assemblage was also dominated by mollusc species and was regarded as sparse in both the number of species and individual abundance in comparison to other marine faunal communities in the wider Auckland region (Powell 1937).

Subsequent investigations of the marine biological resources of Manukau Harbour were made by Grange (1977, 1979) to gather additional baseline information and further delineate the distribution of subtidal species in comparison to the communities identified by Powell (1937). Grange (1977) collected samples from 17 intertidal sandflat areas within the harbour using a soft-sediment sampler that removed a 0.1 m² slab of sediment to a depth of 10 cm, with the sample washed through a 1.0 mm sieve. The most widespread species throughout the harbour were the bivalves *Macomona liliana*, *Austrovenus stutchburyi*, *Soletellina siliquens* and *N. hartvigiana*, the anemone *Anthopleura aureoradiata* and the polychaete worm *Owenia fusiformis*. This study determined that deposit feeders such as juvenile *M. liliana*, *N. hartvigiana*, the crabs *Helice crassa* and *Macrophthalmus hirtipes* and the polychaete *Scoloplos cylindrifer* were more commonly found in areas of fine sand sediments, while suspension feeders including *A. stutchburyi* preferred substrates of medium grain sand. *M. liliana* is common throughout New Zealand on sandy coastal beaches (Powell 1993). The cockle *A. stutchburyi* lives in large colonies just beneath the surface of the substrate in muddy locations from mid to low tide and is commonly collected as a recreational fishery (Powell 1993). *H. crassa* and *M. hirtipes* are New Zealand mud crabs, which can be very abundant on mudflats throughout the country (Powell 1993).

Grange (1977) identified marine regions near Waiau Pa, Pollock Beach and Forsters Bay as potential areas of environmental change. At these locations the accumulation of a layer of fine silt covering underlying coarser substrates had led to changes in faunal community structure and increases in the abundance of deposit feeding species.

In addition to Grange's (1977) intertidal study, Cassie & Michael (1968) investigated the benthic fauna of the intertidal mudflat at Karore Bank in proximity to Auckland International Airport. Cassie & Michael (1968) investigated 12 invertebrate species that were considered to be sufficiently abundant for calculating correlations between sediment type and biota, and described two distinct faunal communities. The *Austrovenus* – *Macomona* (previously *Chione* – *Macomona*) community favoured coarser sediments closer to the coastline, while the *Owenia* – *Halicarcinus* community was more commonly found in association with finer sediments in the vicinity of the tidal channels.

Henriques (1980) further examined the structure of the benthic faunal communities from the intertidal, soft shore habitats of Manukau Harbour with consideration given to the effects of pollution (in the form of nutrient enrichment) and the presence of macro-vegetation on species diversity and density. *A. stutchburyi*, *M. liliana*, *H. crassa* and the whelk *Cominella glandiformis* were the most commonly occurring benthic species recorded during the study, occupying between 60 to 72% of all sampling stations from a range of habitats. *A. stutchburyi* was most common in habitats that had muddy substrates and tidal heights between 0.7 to 1.7 m, particularly in dense meadows of the red seaweed *Gracilaria*. *M. liliana* was recorded from all sandy habitats as well as a large number of sites with muddy substrates, in both non-vegetated areas and sites with *Gracilaria* or *Zostera* (seagrass) cover. *H. crassa* was most common on muddy substrates, particularly in areas of *Avicennia* (mangrove) forest. *C. glandiformis* was common on both sandy and muddy substrates at sites covered in *Gracilaria* and *Zostera* as well as unvegetated sites. Other species that were moderately common in comparison to the dominant species included the bivalve *Cyclomactra ovata*, the crab *Hymenicus cooki*, and the gastropods *Zeacumantus lutulentus* and *Diloma subrostrata*. Henriques' (1980) study concluded that *Gracilaria* did not appear to be affecting the community structure of the underlying benthic fauna, and that vegetative cover such as mangroves and seagrass may result in increased species diversity as well as greater abundance of some taxa, probably owing to the increased heterogeneity and complexity of the available attachment surfaces and substrates.



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Thrush & Roper (1988) also examined the benthic communities of intertidal mudflats in Manukau Harbour to test the hypothesis that macrofaunal colonisation rates were affected by pollution. Sediment trays were deployed for 20 days at six sites within the harbour after which the contents were sieved through a 500 µm mesh. For comparison, sediment cores (15 cm diameter, 100 cm depth) were also obtained from adjacent substrate and processed in the same manner as the sediment trays. The results of this experiment indicated that colonisation of new areas was rapid and organisms of similar size to those in adjacent sediment were found. There was, however, no strong correlation between the rate of colonisation and the concentration of contaminants in the sediments. Common species collected during this study included tubificid oligochaetes *Tubificoides fraseri* and *Limnodriloides* sp., the polychaetes *Heteromastus filiformis*, *Prionospio aucklandica*, and *Paraonis* sp., nematodes, the snail *Amphibola crenata* and the crab *H. crassa*.

Similarly, Roper *et al.* (1988) investigated the benthic community structure of intertidal mudflats in relation to the rate of runoff from different sub-catchments in the Manukau area. Generally, multivariate analysis indicated that patterns of community structure were correlated with sedimentary variables including the presence and concentration of contaminants. Overall, there was considerable variability in community structure between sites, particularly in the abundance of organisms. Roper *et al.* (1988) described the mudflat communities as having a low species richness compared to the faunal assemblages of the harbour's sandflats and channel (e.g., Grange 1979) with a total of 36 species recorded. The mudflat communities were dominated by small opportunistic species (i.e., tubificid oligochaetes, *H. filiformis*, and the amphipod *Proharpinia hurleyi*) and large, long-lived, hardy species (i.e., *H. crassa*, *M. hirtipes*, and *A. crenata*).

Grange (1979) examined the marine fauna from subtidal areas of Manukau Harbour, where 42 sites from depths of 1 to 16 m were sampled using a small naturalist's dredge fitted with large cutting blades. A total of 126 species were recorded during the survey, with an average of 16 species and 87 individuals collected per site. The most widespread species was the red algae *Gracilaria secundata*, which was collected from 31 sites. Large masses of these plants were found throughout the harbour and were typically attached to shells and small stones at depths down to 10 m. *G. secundata* was not recorded by Powell (1937) in the Manukau Harbour and may have been only sparsely distributed prior to 1960. Grange (1979) suggested that the development of the sewage oxidation ponds in Manukau Harbour caused increased deposition of sediment, thus providing suitable habitat for *G. secundata*. Grange (1979) further reported that the first dense meadows of this plant appeared in August 1960 and the distribution of the species increased when the oxidation ponds began discharging rich nutrients. Other abundant marine fauna noted during the survey included the polychaete *O. fusiformis*, the crab *H. varius* and the gastropod *Amalda australis*.

Grange (1979) described four main faunal assemblages for the subtidal region of Manukau Harbour using community analysis methods. These assemblages included the *Microcosmus/Notomithrax*, *Halicarcinus/Bugula*, *Amalda/Myadora* and *Fellaster/Pagurus* communities. The *Microcosmus/Notomithrax* community was typically found in shallow water, in the central harbour where the substrates were coarse and consisted of dead bivalve shells and small rocks. This community had the highest average species diversity and was dominated by the ascidian *Microcosmus kura* and the brachyuran *Notomithrax minor*. Other notable species in this assemblage included the crustacean *Petrolisthes elongatus*, and the ascidian *Styela plicata*. The sponges *Callispongia ramosa* and *Halichondria moorei* were also found attached to fragments of the coarse substrate. *Styela plicata* is possibly a non-native or, at least, cryptogenic species that was first recorded in New Zealand in 1948 (Brewin 1948). The *Microcosmus/Notomithrax* assemblage also consisted of a large proportion of mobile carnivores including the asteroid *Coscinasterias calamaria* and grazing chitons *Terenochiton inquinatus* and *Acanthochiton zelandica*. Subdominant species included *O. fusiformis*, *H. varius*, *M. roseus manukauensis*, the shrimp *Perclimenes yaldwyni*, the polychaete *Axiothella* sp., and the gastropod *Zegalerus tenius*. Grange (1979) described this assemblage as being similar to the *Maoricolpus (manukauensis)* – *Nucula* association identified by Powell (1937).

The *Halicarcinus/Bugula* assemblage occurred in the deeper (> 7 m) areas of the main channel where the substratum was relatively coarse with dead shells and shell grit. There was very little sand where this assemblage was found, possibly owing to tidal scour. The community was characterised by mobile epifauna, particularly crustaceans, although most species were also commonly found elsewhere. *G. secundata* was found at all 10 sites where this assemblage occurred, as was the crab *H. varius*. Other dominant species included the non-indigenous bryozoan *Bugula neritina* and *P. yaldwyni*. *Bugula neritina* is a fouling species that was not detected during Powell's (1937) study and is likely to have arrived and spread



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throughout the harbour as a result of an increase in shipping since 1937 (Grange 1979). Sub-dominant species included *M. roseus manukauensis*, the shrimp *Pontophilus australis* and an unidentified amphipod.

The *Amalda/Myadora* community was the most widespread faunal assemblage and was recorded for 16 (or 38%) of the sites that were sampled by Grange (1979). This assemblage occurred in the shallow parts of the channels in the central harbour, on substrates that typically consisted of medium to fine sand with mud or shell grit. The fauna of the *Amalda/Myadora* community was relatively diverse and often consisted of large numbers of individual polychaetes and bivalves. In addition to *A. australis* and the bivalve *Myadora striata*, dominant species in this community included *O. fusiformis* and the whelk *Cominella adspersa*. Subdominant species included taxa that occur in other assemblages, such as *P. australis*, *Z. tenuis*, *H. varius*, the hermit crab *Pagurus* sp. and *Axiothella* sp.

The fourth assemblage described for Manukau Harbour was the *Fellaster/Pagurus* community. This group had the most restricted distribution of all assemblages and was found in shallow water in the outer regions of the harbour where the sediment was clean, well-sorted, fine sand with iron sand particles. This community was the least diverse, consisting of the echinoid *F. zelandiae*, *Pagurus* sp., and the gastropod *Terebra tristis* as the dominant species. This group was considered to be equivalent to the *Arachnoides* formation described by Powell (1937).

Overall, Grange (1979) described four subtidal faunal communities separated by species composition, depth, substratum and possibly salinity tolerance. In the inner harbour, the benthic assemblage could be defined by depth and sediment type, while the *Fellaster/Pagurus* community found in the outer harbour was likely to occur as a result of the narrow salinity tolerance of the dominant species.

In a more recent survey, Pridmore *et al.* (1990a) intensively sampled the intertidal sandflats at six sites located throughout Manukau Harbour to obtain more robust descriptions of macrobenthic community structure and population density estimates. Sampling site included the mid-tidal coastal regions in close proximity to Auckland airport, Puhinui Spit, Cape Horn, Karaka Point, Elletts Beach and Clarks Beach. Replicate samples were collected using sediment cores (13 cm diameter, 12 cm depth) and washed through a 500 µm mesh sieve. A total of 95 taxa were collected, with 69% of the total abundance of individual organisms belonging to one of eight species, including (in order of overall abundance) the polychaete *H. filiformis*, the bivalve *M. liliana*, the polychaete *Magelona dakini*, the bivalve *N. hartvigiana*, the polychaete *Macroclymenella stewartensis*, the bivalve *S. siliquens*, the polychaete *Goniada emerita*, and the amphipod *P. hurleyi*. *H. filiformis* was the most abundant species at all sites with the exception of Auckland airport, and in general polychaetes were consistently more abundant than bivalves or amphipods. Overall, deposit feeders were most abundant, accounting for over 70% of total individuals at each site. There was no apparent pattern to the geographical location of sites in relation to species diversity, with Clarks Beach having the highest species diversity of 63 taxa, while Elletts Beach had the lowest number of taxa. Pridmore *et al.* (1990a) concluded that there were large differences in the community structure of the macrobenthic fauna of Manukau Harbour's sandflats despite similar environmental conditions and substrates, in particular the sandflats in proximity to Auckland airport and Cape Horn. Samples collected at Cape Horn had a disproportionate dominance of the capitellid polychaete *H. filiformis*, possibly indicating that the area was exposed to disturbances such as organic loading from the Mangere Sewage Treatment Plant. The sites near Auckland airport were dominated by bivalves, especially by *A. stutchburyi*. This was consistent with the observations of Cassie & Michael (1968) who reported a community dominated by *A. stutchburyi* and *M. liliana* near Auckland airport. Overall, Pridmore *et al.* (1990a) considered the sandflats of Manukau Harbour to be a dominant feature of the intertidal zone and the invertebrate communities within to play an important role in the harbour ecology, particularly providing a significant food resource for fish species.

Ecological surveys have also been routinely undertaken in Manukau Harbour for Auckland Regional Council as part of a biological monitoring programme initiated in 1987 (Funnell & Hewitt 2005). The programme included sampling in areas similar to those examined by Pridmore *et al.* (1990a). Benthic species composition was similar to that recorded in previous studies, and included several additional fauna, such as the polychaetes *Aonides oxycephala*, *Aquilospio aucklandica*, *Boccardia styris*, *Goniada emerita*, *Orbinia papillosa* and *Aglaophamus macroura*, the bivalve *Hiatula siliqua*, and the holothurian *Trochadota dendyi*. *Boccardia styris*, in particular, had very high abundance peaks in the vicinity of Cape Horn where the population formed dense tube mats at the sediment surface and produced muddy hummocks that could be several centimetres thick (Funnell & Hewitt 2005). Owing to the length of the monitoring programme, the



authors were able to determine that 5-7 year cyclical variations in species abundance occurred for some populations; for instance, the abundance of *Magelona dakini* and recruitment of *M. liliana* (Funnell & Hewitt 2005).

Aside from investigations of benthic fauna and flora, there have been very few investigations with regard to other marine biological resources in Manukau Harbour. Morrison *et al.* (2002) quantified the usage of tidal flats by small fish species in Pahurehure Inlet, using beach seining and outrigger trawling. Catches were dominated by fish smaller than 100 mm and included (from highest to lowest abundance) *Engraulis australis* (anchovy), *Aldrichetta forsteri* (yellow-eyed mullet), *Favonigobius lentiginosus*, *Peltorhampus latus* (sole), *Mugil cephalus* (grey mullet), *Rhombosolea* spp. (flounder), an unidentified triplefin, *Hyporhamphus ihi* (piper), *Trachurus* sp. (jack mackerel), and *Sepioloidea pacifica* (squid). Morrison *et al.* (2002) noted that fish populations regularly moved between the tidal flats and the deeper channel areas, usually as a result of tidal influences. Kensler (1967) also noted the presence of small stocks of lobster or crayfish *Jasus edwardsii* and *J. verreauxi* along the west coast, including Manukau Harbour.

Irwin *et al.* (2003) examined dinoflagellate species in Manukau Harbour sediments in response to a major bloom of the toxic dinoflagellate *Gymnodinium catenatum* (a causative organism of Paralytic Shellfish Poisoning, PSP) over 1500 km of North Island coastline between May 2000 and February 2001. The study determined that *G. catenatum* and a broad range of other dinoflagellate species, including *Protoperidinium*, *P. reticulatum* and particularly *Spiniferites*, had increased in abundance in the harbour since 1978.

In addition to the non-native species mentioned so far, several studies have noted the presence of other non-indigenous marine species in Manukau Harbour, including the Pacific oyster *Crassostrea gigas* which has been subsequently used for contaminant monitoring (e.g., Kelly & McMurry 2002, Kelly 2004, Pridmore *et al.* 1990b, Roper *et al.* 1991). Nelson (2004) reported the first occurrence of the Australian brown algae *Dictyota furcellata* in New Zealand waters from the sheltered subtidal zone of south-western Manukau Harbour. In addition to the cryptogenic ascidian *Styela plicata*, Grange (1979) also recorded the presence of the non-native polychaete *Plumularia setacea*. Other non-indigenous species recorded during infaunal community surveys have included the common bivalve *Theora lubrica* (Grange 1977) and the polychaete *T. fraseri*. Non-native plant species included seagrass, *Zostera* sp. (Henriques 1980).

In summary, investigations of biological resources in Manukau Harbour have focussed on the benthic infauna found throughout the various sandy and muddy substrates within the area. Typical faunal community composition has included a rich diversity and, in some locations, high abundance of polychaetes (i.e., *O. fusiformis*, *H. filiformis*), bivalves (*A. stutchburyi*, *T. liliana*, *N. hartvigiana*) and crustaceans (*H. crassa*, *M. hirtipes*, *H. varius*). The fish species found in the harbour are common estuarine taxa including flounder, mackerel, sole, mullet and squid. Nine non-indigenous or cryptogenic taxa have been recorded from Manukau Harbour.

4.1 SURVEY METHODS

4.2 Sampling Design and Methods

The survey design used (and provided by MAFBNZ) was developed using the CRIMP protocols (Hewitt & Martin 1996, 2001) with the aim of maximising the detection of introduced species. Site selection was motivated by an increased likelihood of finding species introduced through the association with known vectors, such as discharged ballast water and hull fouling. To achieve this, sampling concentrated on habitats and sites within the port and adjacent areas that are near the point of inoculation, or are most likely to have been influenced by ballast water discharge, mariculture, and hull fouling transfers (including fishing and recreational vessels). Areas specifically targeted include shipping berths, anchorage areas, the shipping approach channels, and other potential sink areas where introduced species may be deposited due to currents and geographic position.

Sampling methods were selected to ensure comprehensive coverage of habitats and were intended to provide presence/absence information or semi-quantitative indices of abundance only. Typically introduced species are rare (at least initially), having both limited distribution and abundance. Thus, to detect a rare



species, sampling concentrated on maximising coverage within a site with minimal sampling replication. Replicate sampling was only undertaken in situations where small-scale heterogeneity was likely to influence detection of introduced species, such as dinoflagellates. The sampling strategy used for the Port of Onehunga marine biosecurity survey relied on the detection thresholds determined for introduced species in Australia (see Hewitt & Martin 2001). Sampling targeted three regions including:

- i) Potential inoculation sites within the port;
- ii) The adjacent area; and
- iii) The port approaches.

The sampling methods employed at each site are provided in Appendix B, Table B1. Sampling was most intense in the port area, shipping approaches, the LPG terminal, and boat ramps, focussing on habitats on and around the wharves and the adjacent soft bottoms. Visual surveys, video transects, still photography and coring were undertaken by divers; trapping and plankton sampling were carried out from the research vessel.

Sampling occurred throughout June 2006. Initial rough sorting and preservation occurred immediately after sampling. Further rough sorting to the level of Least Taxonomic Unit (LTU) was carried out immediately following the survey with samples then being provided to the taxonomic clearinghouse for fine sorting and identification of specimens to species level.

4.3 Public Awareness Programme

Prior to undertaking the survey, a programme was designed to inform the general public and stakeholders (notably regulatory agencies) of the nature and goals of MAF Biosecurity New Zealand's port survey of Manukau harbour. The following organisations were contacted as part of this programme:

- i) Ministry of Fisheries – notification of sampling under the conditions of a Special Permit.
- ii) Department of Conservation – discussion with local ranger of the programme.
- iii) ARC Harbourmaster – preliminary notification of activities, ongoing (daily) updates of all activities on water.
- iv) Suburban Newspapers – notification of the survey and request to have a new item on the survey published in the Western Leader.

The latter consultation resulted in a discussion between the Project Manager and a correspondent from the Mangere Bridge Community Newsletter. This discussion was published in the newsletter, the text of which is provided below:

Manukau Harbour animal and plant life mapped in biological survey

Don't be surprised if you see a boat out on the harbour and divers disappearing down into the cold water in mid June. They are taking samples of water and mud for a biological survey of animals and plant species undertaken for Biosecurity NZ. The aim is to get an overview of what is out there, especially in terms of non-native species, even more so if any of them were identified as pests. Samples are taken on 42 sites around the harbour from the Mangere Bridge inlet to the Manukau Heads. Not sure if they will count the seals recently spotted. On the day I spoke to Dan McClary from Kingett Mitchell Ltd, who are undertaking the survey for MAF, the divers were sampling around the LPG terminal area. The data will also be used for mapping distributions of species around the area, in particular of course of those non-native and (if any) pest ones. If you see anything unusual in terms of animals or plants in the harbour that could be a pest, please don't hesitate to call Biosecurity on 0800-80-99-66.



5.1 SURVEY RESULTS

5.2 Port Environment

As described above and within the interim report, Manukau Harbour is relatively shallow and thus subject to low water visibility. The area has extensive tidal sandbars, a curving outer sand bar and a narrow entrance, which restricts navigation.

As described in the preliminary report; boat data sheets were maintained during the survey as both hard and electronic copy (as an MS Excel spreadsheet). The spreadsheets include the physical data collected during the survey, such as environmental conditions and the type of samples taken, and are presented in the preliminary report. Water temperature, salinity, visibility (secchi reading), dissolved oxygen, substrate type and maximum depth reached at each site is summarised in Table 2.

At the sites sampled during the survey, water temperature ranged from 12 to 14°C. In general, water temperature was uniform across sites at both the surface and bottom waters. Similarly, salinity was uniform across all sites.

Depth stratification for water temperature, salinity, and dissolved oxygen was illustrated in Figure 3 of the interim report. In general, the difference between surface and bottom water parameters was not statistically significant ($p < 0.05$). The visibility, (based on secchi depth measures), on average, represented only 37% of the water depth (Figure 3), suggesting that water clarity was low in this region. The lack of water clarity is not surprising given the stormy weather conditions experienced during the survey period.

Visual descriptions of the substrate type are provided in the interim report, with sediment grain size analysis (Appendix C, Figure C1) indicating that introduced species were detected across a range of energy regimes, with no preference for different regimes being obvious.



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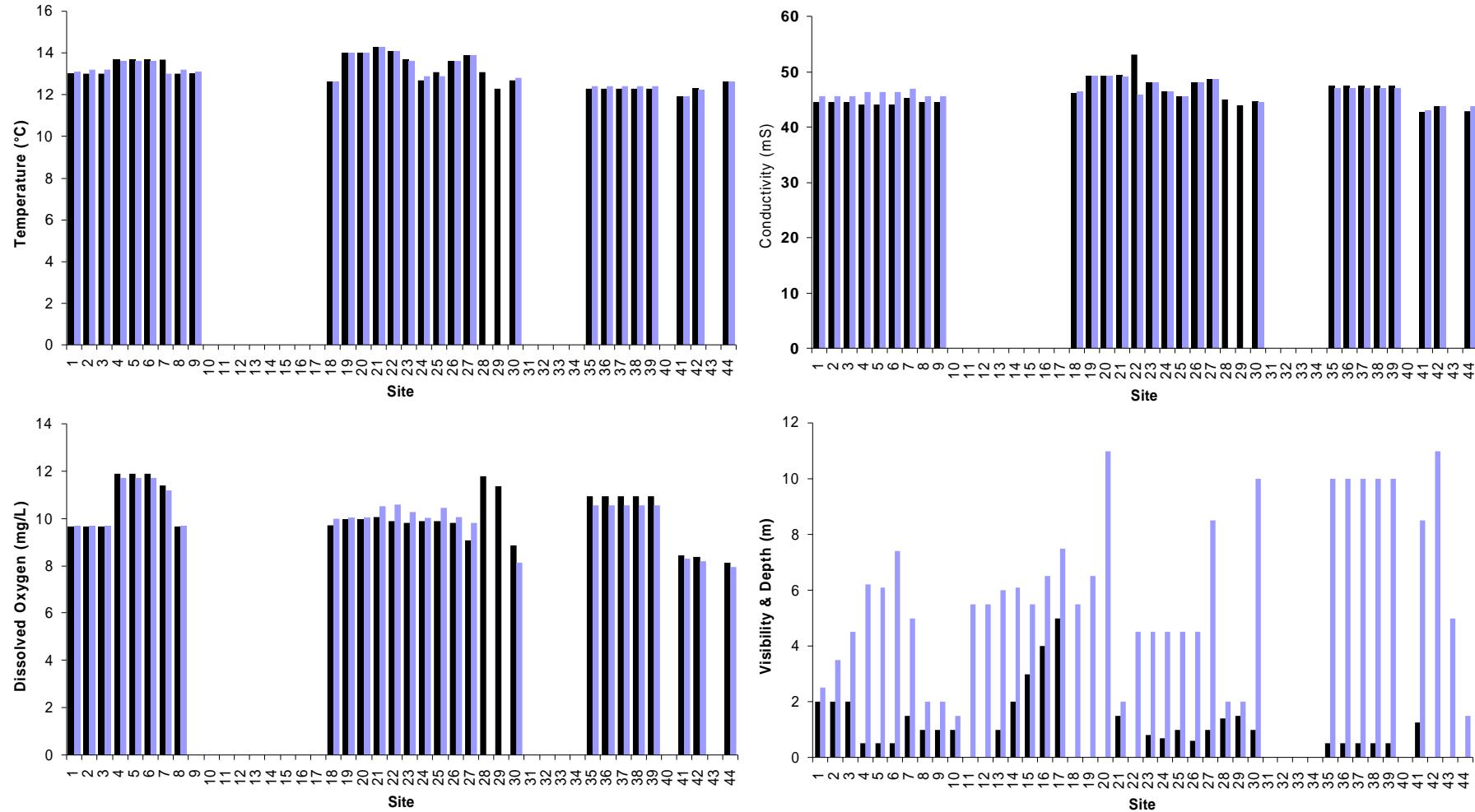


Figure 3: Environmental conditions (a) temperature; (b) salinity; (c) dissolved oxygen; and (d) visibility; recorded at Port of Onehunga (Manukau) during the introduced species survey. Light grey denotes surface readings in (a), (b), and (c). Dark grey denotes bottom readings in (a), (b), and (c). Light grey denotes maximum depth in (d) and dark grey indicates visibility (secchi) readings in (d).



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Table 2: Physical data (water temperature, salinity, visibility, dissolved oxygen, substrate type and maximum depth) collected during the Port of Onehunga survey. NA denotes where readings were not recorded.

Site Name	Site No.	Temp	Temp	Salinity	Salinity	Secchi	Dissolved	Dissolved	Substrate Type	Depth (m)
		(°C) Surface	(°C) Bottom	(mS) Surface	(mS) Bottom	(m)	Oxygen (mg/L) Surface	Oxygen (mg/L) Bottom		
Fishing berths 1	1	13	13.1	44.5	45.5	2	9.63	9.67	mud & shell	2.5
Fishing berths 2	2	13	13.2	44.5	45.5	2	9.63	9.67	mud & shell	3.5
Fishing shoal	3	13	13.2	44.5	45.5	2	9.63	9.67	mud & shell	4.5
Shed A wharf	4	13.7	13.6	44.1	46.3	0.5	11.9	11.7	mud/silt	6.2
Shed B wharf	5	13.7	13.6	44.1	46.3	0.5	11.9	11.7	mud/sand	6.1
Shed D wharf	6	13.7	13.6	44.1	46.3	0.5	11.9	11.7	mud	7.4
Mangere Bridge	7	13.7	13	45.2	46.9	1.5	11.4	11.18	concrete & rock	5
Reef	8	13	13.2	44.5	45.5	1	9.63	9.67	rock, cobble, mud	2
Ramp	9	13	13.1	44.5	45.5	1	NA	NA	cobble & mud	2
White Bluff	10	NA	NA	NA	NA	1	NA	NA	rock & shell	1.5
Channel marker 35	11	NA	NA	NA	NA	0	NA	NA	mud	5.5
Channel marker 29	12	NA	NA	NA	NA	0	NA	NA	mud	5.5
Channel marker 25	13	NA	NA	NA	NA	1	NA	NA	mud, shell, sand	6
Channel marker 21	14	NA	NA	NA	NA	2	NA	NA	mud, shell, sand	6.1
Channel marker 17	15	NA	NA	NA	NA	3	NA	NA	mud, shell, sand	5.5
Channel marker 6	16	NA	NA	NA	NA	4	NA	NA	mud, shell, sand	6.5
Channel marker 4	17	NA	NA	NA	NA	5	NA	NA	mud, shell, sand	7.5
Channel marker 2	18	12.6	12.6	46.2	46.4	NA	9.72	10	mud, shell, sand	5.5
Channel marker 7	19	14	14	49.1	49.1	0	9.96	10.04	mud, shell, sand	6.5



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Table 2: continued.

Site Name	Site No.	Temp	Temp	Salinity	Salinity	Secchi	Dissolved	Dissolved	Substrate Type	Depth (m)
		(°C) Surface	(°C) Bottom	(mS) Surface	(mS) Bottom	(m)	Oxygen (mg/L) Surface	Oxygen (mg/L) Bottom		
Channel marker 1	20	14	14	49.1	49.1	0	9.96	10.04	sand	11
Bigsea Bay	21	14.3	14.3	49.3	49	1.5	10.06	10.51	sand	2
Karore bank 1	22	14.1	14.1	5.31	4.59	0	9.9	10.58	mud/sand	4.5
Karore bank 2	23	13.7	13.6	48.1	48.1	0.8	9.81	10.28	mud/sand	4.5
Purakau spoil ground	24	12.7	12.9	46.4	46.4	0.7	9.87	10.01	mud/sand	4.5
Purakau channel 1	25	13.1	12.9	45.5	45.4	1	9.87	10.46	mud/sand	4.5
Purakau channel 2	26	13.6	13.6	48.1	48.1	0.6	9.8	10.07	mud/sand	4.5
Purakau channel 3	27	13.9	13.9	48.5	48.5	1	9.09	9.82	mud/sand	8.5
Kaiteke Point boat ramp	28	13.1	NA	45	NA	1.4	11.77	NA	rock, shell, sand	2
Hudsons beach boat ramp	29	12.3	NA	43.9	NA	1.5	11.35	NA	sand	2
Taratara Point	30	12.7	12.8	44.7	44.5	1	8.86	8.13	sand	10
Ninepin rock	31	NA	NA	NA	NA	NA	NA	NA	NA	NA
Western shoals	32	NA	NA	NA	NA	NA	NA	NA	NA	NA
North bank	33	NA	NA	NA	NA	NA	NA	NA	NA	NA
South bank	34	NA	NA	NA	NA	NA	NA	NA	NA	NA
LPG Terminal 1	35	12.3	12.4	47.4	47	0.5	10.93	10.56	shell, mud	10
LPG Terminal 2	36	12.3	12.4	47.4	47	0.5	10.93	10.56	shell, mud	10
LPG Terminal 3	37	12.3	12.4	47.4	47	0.5	10.93	10.56	shell, mud	10
LPG Terminal 4	38	12.3	12.4	47.4	47	0.5	10.93	10.56	shell, mud	10



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Table 2: continued.

Site Name	Site No.	Temp	Temp	Salinity	Salinity	Secchi	Dissolved	Dissolved	Substrate Type	Depth (m)
		(°C) Surface	(°C) Bottom	(mS) Surface	(mS) Bottom	(m)	Oxygen (mg/L) Surface	Oxygen (mg/L) Bottom		
LPG Terminal 5	39	12.3	12.4	47.4	47	0.5	10.93	10.56	shell, mud	10
LPG approach 1	40	NA	NA	NA	NA	0	NA	NA	sandy	NA
LPG approach 2	41	11.9	11.9	42.7	43	1.25	8.43	8.3	mud, sand	8.5
LPG approach 3	42	12.3	12.2	43.8	43.8	0	8.38	8.21	mud	11
Shed D wharf extra site	43	NA	NA	NA	NA	0	NA	NA	mud	5
Cornwallis wharf extra site	44	12.6	12.6	42.9	43.8	NA	8.11	7.96	sand, mud	1.5



5.3 Native Biodiversity

A total of 342 taxa were identified from the survey collection, of which 92.6% ($n = 317$) are thought to be native (Appendix C, Table C1). As addressed in the introduction, to be classified as native, a species must have originated in the area where they were sampled. The native taxa occurred across 19 taxa groups (Figure 4), with seven taxa groups (Polychaeta [25.5%], Mollusca [16%], Arthropoda [14.5%], Bacillariophyta [14%], Chordata [7.6%], Bryozoa [7.6%], and Rhodophyta [5%]) comprising approximately 90% of the native fauna. The native species richness is 40, using a Margalef species richness index.

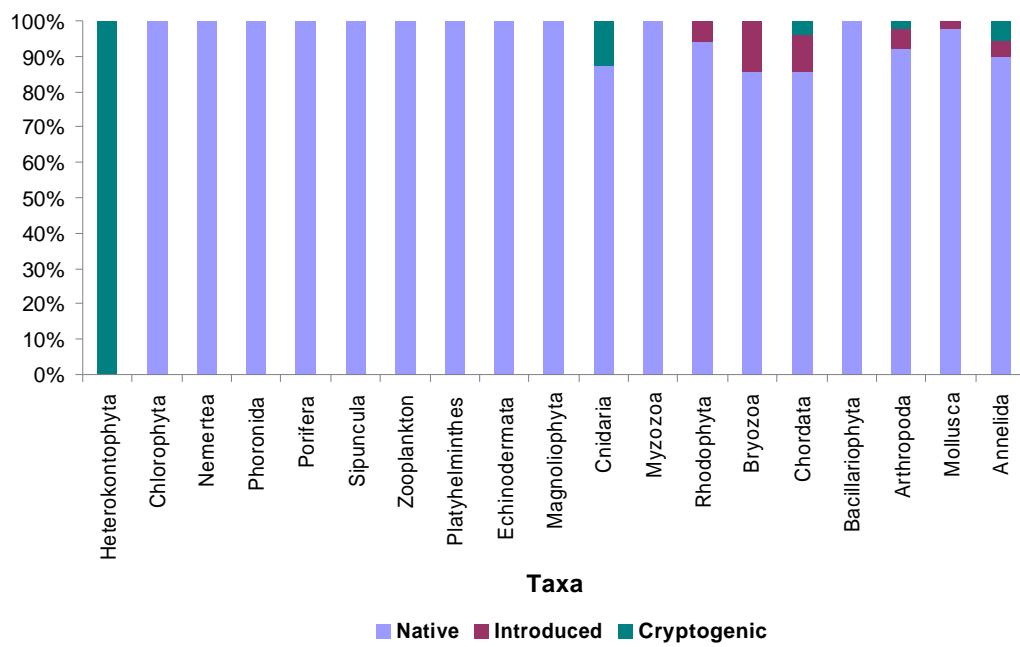


Figure 4: Percentage species diversity detected in the Port of Onehunga survey.

Six taxa were considered to be native but undescribed by the taxonomic experts (*Amphicteis amphicteis*-A; *Aricidea aricidea*-B; *Chaetozone chaetozone*-1; *Notomastus notomastus*-B; *Perinereis perinereis*-A; *Potamilla potamilla*-A). A further 33.3% of taxa were not identified to species level (Appendix C, Table C1). Typically, taxa such as these would be classified as cryptogenic, unless the taxonomic expert believes that they are likely to be native, or that they have been previously misidentified as other genera. In this instance, the taxonomic clearinghouse has indicated specimens that are native, introduced or cryptogenic based on their expertise; thus these 33.3% have been classified as native. We note, however, that three taxa (Diadumenidae, Sabellariidae and Sabellidae) may be introduced and require further analysis to assign to a status of native, introduced or cryptogenic. Hence, we have taken a conservative approach for these three taxa and included them as cryptogenic. The taxonomic clearinghouse has designated the toxic dinoflagellate *Gymnodinium catenatum* as native; yet this species is introduced to this region. In this instance, however, we have followed the direction from the taxonomic clearinghouse and it is treated as a native species for the purposes of this report.

5.4 Introduced Species in the Port

Sixteen introduced species and nine cryptogenic species were detected during the survey (Figure 5), representing 4.6% and 2.6% respectively, of the total taxa collected. Introduced and cryptogenic species were detected at 79.5% of the sites sampled ($n = 35$ sites). Using Gaston's measure for rarity (< 25 quartile), any species that were detected at 11 sites or fewer are considered to be rare. In this instance, 22 of the 25 detected introduced and cryptogenic species are therefore considered rare, with the remaining three species (the algae *Solieria* sp, the mollusc *Crassostrea gigas*, and the ascidian *Microcosmus squamiger*) classified as common (Figure 6).



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The introduced and cryptogenic species richness is 4.4, based on a Margalef species richness index. A lower level of species richness for the introduced and cryptogenic species compared to the native species is not unexpected as the introduced species are often rare in distribution. This is reflected by ten introduced and cryptogenic singletons (where only one introduced or cryptogenic species was detected) being present in the samples. Similarly, there were five sites that only recorded singletons of introduced and cryptogenic species.

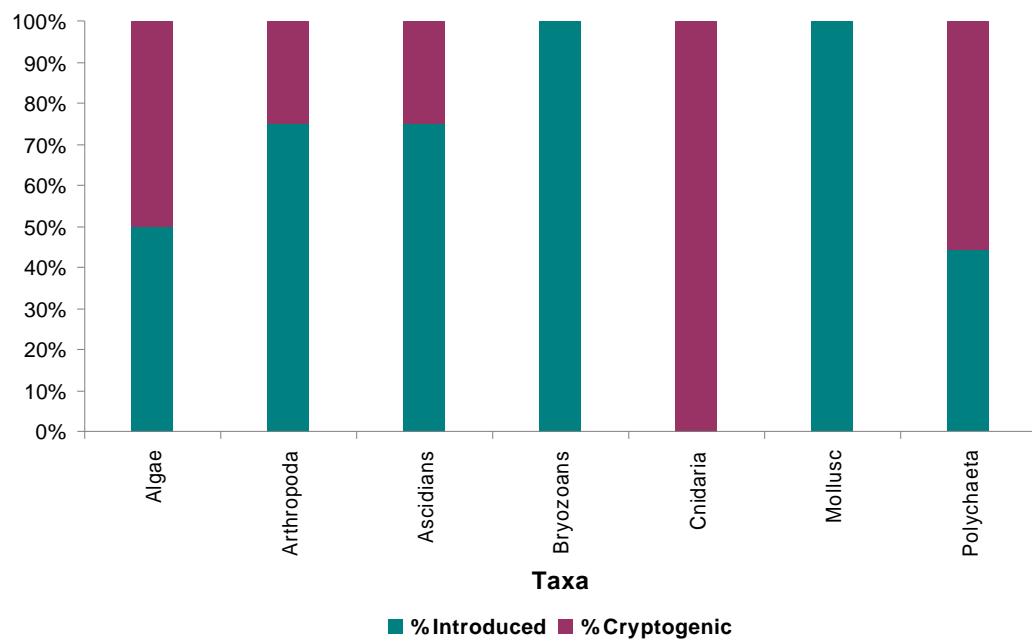


Figure 5: Percentage introduced and cryptogenic species diversity detected in the Port of Onehunga survey.

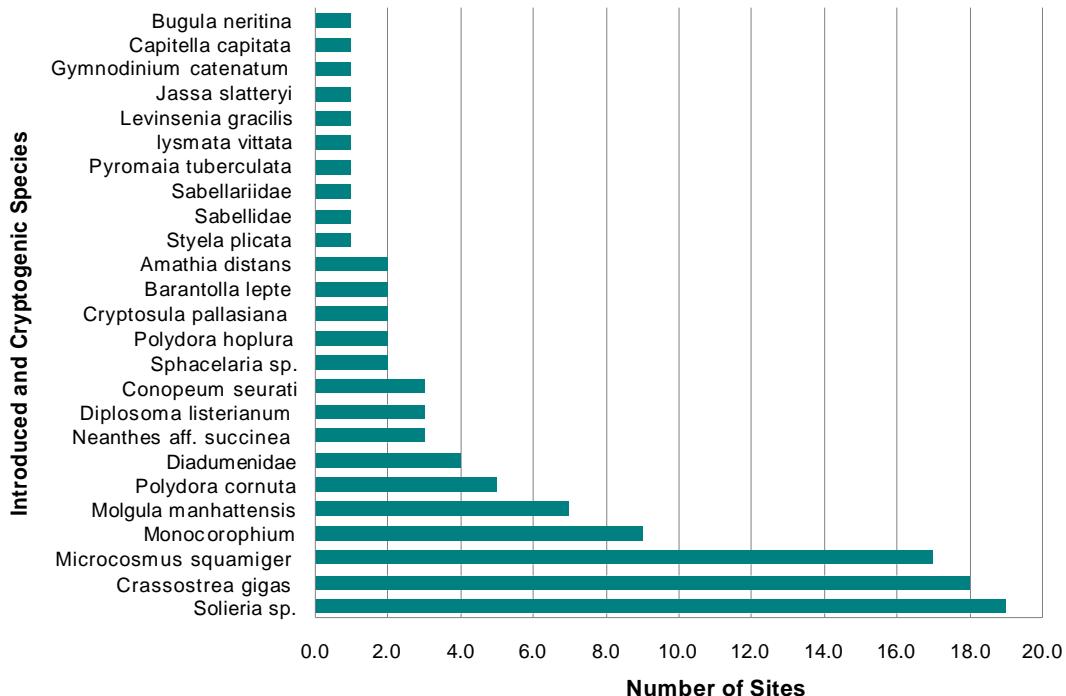


Figure 6: Percentage site occupancy of introduced and cryptogenic species. Rarity is represented as 11 sites, following Gaston's rarity measure.



5.4.1 Detected introduced species

Taxonomic data has been cross-referenced with a number of different web-based databases such as ITIS, Algaebase, NIMPIS and personal introduced species databases belonging to M. Campbell and C. Hewitt. Distributions of introduced species collected during the Port of Onehunga survey and previous records are presented in Appendix C, Figures C2-C9.

Algae

Solieria sp.

Phylum: Rhodophyta

Class: Florideophyceae

Order: Gigartinales

Family: Solariaceae

Genus: *Solieria*

Species: sp.



Figure 7: *Solieria robusta* (Source: <http://www.palaeos.com/Eukarya/Units/Plantae/Images/Solieria.jpg>)

Solieria (Figure 7) was detected at 19 of the 44 sites sampled during the survey. These sites ranged from commercial wharves to boat ramps and spoil grounds. The taxonomic clearinghouse did not provide a species name for this identification. There are nine current species of the genus *Solieria*. They have a widespread distribution with the type species occurring in “the western Mediterranean and along the western European coast from Gibraltar to France and southern England (Gabrielson & Hommersand 1982a). *Solieria tenera* (J. Agardh) Wynne and Taylor is widespread on both sides of the Atlantic from North Carolina, and the Caribbean to Brazil in the west and from Senegal and Ghana in the east. Other species occur in the Red Sea, Indian Ocean, western and eastern Australia, and western Pacific from Japan southwards.” (http://www.algaebase.org/search/genus/detail/?genus_id=33013&session=abv4:3CE50CE418d4c0C80BLOG1802582). *Solieria filiformis* is introduced to Port Phillip Bay from the north Atlantic (Hewitt et al. 1999).

In New Zealand *Solieria* sp. is thought to be introduced prior to 1992 (Cranfield et al. 1998). *Solieria* sp. has not been recorded from any other New Zealand port during previous biosecurity surveys. Without identification to species, it is difficult to determine if these specimens should be considered as pests or Unwanted Organisms. The widespread distribution of this species suggests that it has been present in the region for quite some time and, in a terrestrial context, this constitutes consideration that the species may be naturalised.

Arthropoda

Pyromaia tuberculata (Lockington, 1877)

Phylum: Arthropoda

Class: Malacostraca

Order: Decapoda

Family: Inachoididae

Genus: *Pyromaia*

Species: *tuberculata*



Figure 8: *Pyromaia tuberculata*. (Source: http://www.marine.csiro.au/crimp/images/NIMPIS/Pyromaia_tuberculata.jpg)



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Pyromiaia tuberculata (Figure 8) was detected at one site only, the LPG terminal. This species is a recognised introduction to Australian waters, although not listed as a pest species. It originates from western North America (east Pacific) and is currently known to be introduced to two locations in southern Australia (Port Phillip Bay and Cockburn Sound) (Hewitt *et al.* 1999). *P. tuberculata* was introduced to New Zealand in 1975 (Cranfield *et al.* 1998).

Within New Zealand this species has been present in the Hauraki Gulf and Firth of Thames since 1975 (Cranfield *et al.* 1998) and is thought to have had a major impact on native marine assemblages in this region (Hayward 1997; Inglis *et al.* 2006q). *P. tuberculata* has also been detected in the Port of Whangarei and at the Marsden Point port facility (Inglis *et al.* 2006q). This species is not listed as an Unwanted Organism.

***Jassa slatteryi* Conlan 1990**

Phylum: Arthropoda

Class: Malacostraca

Order: Amphipoda

Family: Gammaridea

Genus: Jassa

Species: *slatteryi*

Jassa slatteryi was detected at one site only, channel marker 35. The genus *Jassa* contains 19 major species that are associated with ship fouling (Barnard & Karaman 1991). This species is known to be introduced to southern Australia ports. *J. slatteryi* is widespread in both tropical and temperate harbours (Poore & Storey 1999).

Within New Zealand this species has been previously detected in pile scrapings collected during baseline surveys at the Ports of Lyttelton and Timaru (Inglis *et al.* 2006a, f). This species is not listed as an Unwanted Organism and is not recognised as a pest species in any region.

***Monocorophium acherusicum* (Costa, 1857)**

Phylum: Arthropoda

Class: Malacostraca

Order: Amphipoda

Family: Gammaridea

Genus: *Monocorophium*

Species: *acherusicum*



Figure 9: *Monocorophium acherusicum*. (Source: http://www.marine.csiro.au/crimp/images/NIMPIS/Corophium_acherusicum.jpg)

Monocorophium acherusicum (Figure 9) was detected at nine sites (Shed A and D at the wharf in Onehunga, channel markers 4, 6, 17, 35, the approach to the LPG terminal, the LPG terminal, and Purakau channel marker 2). This species is known to be introduced to Australia and is considered to have a cosmopolitan distribution (Hewitt *et al.* 1999). It was introduced to New Zealand prior to 1921 (Inglis *et al.* 2006a, e, f, i, j, p).

Within New Zealand this species has been previously detected during baseline port surveys at the ports of Tauranga, Gisborne, Lyttelton, Timaru, and Dunedin, and in the Whangarei Town Basin Marina (Inglis *et al.* 2006a, e, f, i, j, p). This species is not listed as an Unwanted Organism and is not recognised as a pest species in any region.



Asciidae

Molgula manhattensis (DeKay, 1843)

Phylum: Chordata

Class: Asciidae

Order: Pleurogona

Family: Pyuridae

Genus: *Molgula*

Species: *manhattensis*



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Figure 10: *Molgula manhattensis*. (Source:
http://www.anemoon.org/anemoon/images/fauna/Molgula_manhattensis_001.jpg/image_large)

Molgula manhattensis (Figure 10) was detected at seven sites in three regions of Manukau Harbour including the Port of Onehunga wharves, the boat ramp, and Cornwallis wharf. The specimens were collected in crab traps, pile scrapings, beach wrack and during qualitative searches by SCUBA divers.

This is the first record of *M. manhattensis* within New Zealand and it is not listed as an Unwanted Organism nor recognised as a pest species. This species is found in the northwest and northeast Atlantic and is introduced to Australia (Kott 1976).

Styela plicata (Lesueur, 1823)

Phylum: Chordata

Class: Asciidae

Order: Pleurogona

Family: Styelidae

Genus: *Styela*

Species: *plicata*



Figure 11: *Styela plicata*. (Source:
http://www.marine.csiro.au/crimp/images/NIMPIS/Styela_plicata.jpg)

Styela plicata (Figure 11) was detected at the Onehunga Shed B wharf only. This species is native to the western Pacific (East Asian Seas) and favours temperate waters. This species has a propensity to heavily foul artificial substrates and as such is known as a hull fouling species.

S. plicata is thought to have arrived in New Zealand prior to 1948 (Cranfield et al. 1998). Subsequently it has been found in the Ports of Auckland, Lyttelton, Nelson, and Taranaki (Inglis et al. 2006a, b, d, g). This species is not listed as an Unwanted Organism in New Zealand and is not recognised as a pest species.



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Diplosoma listerianum (Milne-Edwards, 1841)

Phylum: Chordata

Class: Ascidiacea

Order: Enterogona

Family: Didemnidae

Genus: *Diplosoma*

Species: *listerianum*



Figure 12: *Diplosoma listerianum*. (Source: http://massbay.mit.edu/exoticspecies/exoticmaps/images/diplosoma_big.jpg)

Diplosoma listerianum (Figure 12) was detected at the LPG terminal and Cornwallis wharf. This species is native to South Africa but is now considered to be cosmopolitan in its distribution. This species has a propensity to heavily foul artificial substrates and consequently is associated with hull fouling as a vector. *D. listerianum* is known to impact upon native species via its propensity to heavily foul substrates.

D. listerianum arrived in New Zealand prior to 1996 and is now found in the Ports of Auckland and Taranaki (Inglis *et al.* 2006d, g). This species is not listed as an Unwanted Organism in New Zealand and is not recognised as a pest species.

Bryozoa

Amathia distans Busk, 1866

Phylum: Bryozoa

Class: Gymnolaemata

Order: Ctenosomata

Family: Vesiculariidae

Genus: *Amathia*

Species: *distans*



Figure 13: *Amathia distans*. (Source: <http://www2.bishopmuseum.org/dargis/esri/images/Amathia%20distans.jpg>)

Amathia distans (Figure 13) is an arborescent bryozoan and was detected at two channel marker sites; channel markers 2 and 29. The type locality of *Amathia distans* is from Salvador in northeast Brazil, although by the time Busk described the species in 1886 it may have already been widely distributed. Typically, this species is referred to as having a cosmopolitan distribution. To date, *A. distans* is known from France, the Mediterranean and Red Seas, the Atlantic coast of America from North Carolina to Brazil, Puget Sound, Washington and southern California (R. Nair, pers. comm.) and Pearl Harbor, Hawaii (Coles *et al.* 1997, 1999). This species is associated with the vector of hull fouling. *A. distans* is not known to have any demonstrated impacts on native species.

A. distans is thought to have arrived in New Zealand before the 1960s (Cranfield *et al.* 1998). This species has been found in New Zealand in Auckland Harbour (Gordon & Mawatari 1992; Morton & Millar 1968). This species is not listed as an Unwanted Organism in New Zealand and is not recognised as a pest species.



Cryptosula pallasiana (Moll, 1803)

Phylum: Bryozoa
Class: Gymnolaemata
Order: Cheilostomata
Family: Cryptosulidae
Genus: *Cryptosula*
Species: *pallasiana*

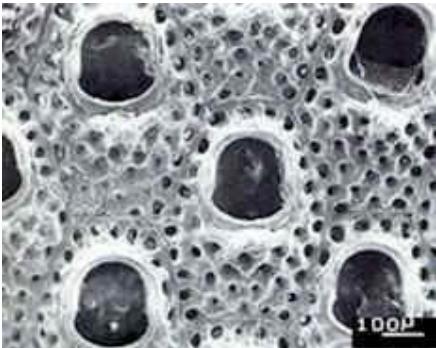


Figure 14: *Cryptosula pallasiana*. (Source:
http://www.sms.si.edu/IRLspec/images/Crypto_pallas1.jpg)

Cryptosula pallasiana (Figure 14) is an encrusting bryozoan and was detected at two sites; the Purakau spoil ground and the Kaiteke Point boat ramp. *C. pallasiana* originates from the north Atlantic but is now considered cosmopolitan in its distribution. *C. pallasiana* is thought to have been introduced to New Zealand prior to the 1890s, associated with hull fouling and dry ballast (Cranfield et al. 1998). *C. pallasiana* is not known to have any demonstrated impacts on native species and is associated with the vector of hull fouling.

This species has been found in New Zealand at the Ports of Lyttelton, Nelson, and Taranaki (Inglis et al. 2006a, b, d). This species is not listed as an Unwanted Organism in New Zealand and is not recognised as a pest species.

Conopeum seurati (Canu, 1908)

Phylum: Bryozoa
Class: Gymnolaemata
Order: Cheilostomata
Family: Electridae
Genus: *Conopeum*
Species: *seurati*

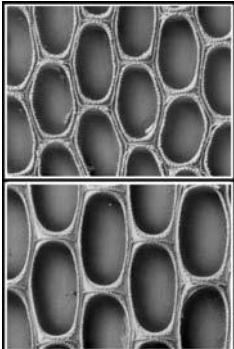


Figure 15: *Conopeum seurati*. (Source:
http://www.nhm.ac.uk/hosted_sites/iba/images/bryozoa%20pics/conopeum.jpg)

Conopeum seurati (Figure 15) is an encrusting bryozoan and was detected at three sites; the Purakau channel marker 2, the LPG terminal, and the Kaiteke Point boat ramp. *C. seurati* originates from the north Atlantic and is associated with temperate waters. To date, *C. seurati* is known from Europe, North America and Australia. It was introduced into New Zealand in 1963 (Cranfield et al. 1998).

This species has been found in New Zealand at the Ports of Lyttelton and Nelson, and Whangarei marina (Inglis et al. 2006a, b, p). *C. seurati* is not known to have any demonstrated impacts on native species. It is not listed as an Unwanted Organism in New Zealand and is not recognised as a pest species.



***Bugula neritina* (Linnaeus, 1758)**

Phylum: Bryozoa
Class: Gymnolaemata
Order: Cheilostomata
Family: Bugulidae
Genus: *Bugula*
Species: *neritina*



Figure 16: *Bugula neritina*. (Source: <http://research.calacademy.org/research/izg/SF Bay2K/Bugula%20neritina.jpg>)

Bugula neritina (Figure 16) is an arborescent bryozoan and was detected at the LPG terminal only. The type locality of *B. neritina* is unknown but it is thought to originate from the northeast Atlantic. The species is now considered to be cosmopolitan. *B. neritina* is known from temperate, tropical and subtropical waters. It was introduced to New Zealand in 1949 (Cranfield *et al.* 1998). *B. neritina* is not known to have any demonstrated impacts on native species but it is known as a serious fouling organism that is found in abundance on pier piles, ship hulls, buoys, and submerged structures.

This species has been found in New Zealand at the Ports of Auckland, Lyttelton, Taranaki, Otago, Gisborne, Napier, Tauranga, and Timaru, as well as Whangarei Harbour and marina, Opua marina and Gulf Harbour (Inglis *et al.* 2006a, d-g, i-p). *B. neritina* has been previously recorded from Manukau Harbour (Grange 1979). This species is not listed as an Unwanted Organism in New Zealand and is not recognised as a pest species.

Mollusca

***Crassostrea gigas* Thunberg 1793**

Phylum: Mollusca
Class: Bivalvia
Subclass: Pteriomorphia
Order: Ostreoida
Suborder: Ostreina
Superfamily: Ostreoidea
Family: Ostreidae
Genus: *Crassostrea*
Species: *gigas*



Figure 17: Intertidal reef of *Crassostrea gigas*.

The mollusc, *Crassostrea gigas* (Figure 17) was detected at most sites during the biosecurity port survey, including commercial and recreational areas. *C. gigas* is an oyster that is native to Japan (northwest Atlantic) and is associated with temperate waters. Common names for this species include the Japanese oyster, the Pacific king oyster, the Pacific rock oyster and the Pacific oyster. It has been used extensively in the aquaculture industry and is subsequently found in numerous regions of the world including Australia, New Zealand and the USA (Chew 1990). It was introduced to New Zealand in 1961 (Cranfield *et al.* 1998). *C. gigas* is known from the ports of Auckland, Nelson, Taranaki, Otago and Whangarei as well as Gulf



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Harbour and the Opua marina (Inglis et al. 2006b, d, g, i, k, n, q). It is considered to be a commercial introduction due to its aquaculture status. The species is considered a pest in most regions because it impacts upon aesthetic and amenity values, where it tends to form large intertidal communities, termed razor beds (Figure 17) due to the sharpness of the upper valves crenulations. It also has a propensity to heavily foul artificial and natural structures, which can have both commercial and ecological impacts.

Polychaeta

***Barantolla lepte* Hutchings, 1974**

Phylum: Annelida

Class: Polychaeta

Order: Scolecida

Family: Capitellidae

Genus: *Barantolla*

Species: *lepte*

Barantolla lepte was detected at channel marker 1 only. This species typically favours estuarine environs; particularly associated with mud and weed banks. This species is native to Australia. *B. lepte* has been previously located within New Zealand at the Ports of Taranaki, Napier and Timaru (Inglis et al. 2006d, f, m). This species is not listed as an Unwanted Organism and is not recognised as a pest species.

Neanthes aff. succinea

Phylum: Annelida

Class: Polychaeta

Order: Phyllodocida

Family: Nereididae

Genus: *Neanthes*

Species: *succinea*

Neanthes aff. succinea was detected at three sites: the LPG terminal, the approach to the LPG terminal and the Onehunga Shed B wharf. This species originates from the northeast Atlantic. This species has not been previously recorded from the New Zealand region. This species is not listed as an Unwanted Organism and is not recognised as a pest species.

***Polydora cornuta* Bosc, 1802**

Phylum: Annelida

Class: Polychaeta

Order: Spionida

Family: Spionidae

Genus: *Polydora*

Species: *cornuta*



Figure 18: *Polydora cornuta*. (Source:
<http://www.annelida.net/nz/Polychaeta/Family/Spionidae/Polyd-cornTHUMB.jpg>)



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Polydora cornuta (Figure 18) was detected at five sites; the Onehunga Shed A wharf, the reef, Mangere Bridge, Hudsons Beach boat ramp, and the fishing berths. This species originates from the north Atlantic (Europe and USA) and is now considered cosmopolitan in its distribution.

This species is thought to have been introduced to New Zealand prior to 1972 (Cranfield *et al.* 1998). Within New Zealand it has been previously located at Opua marina, Whangarei marina (Inglis *et al.* 2006n, p) and in the Waitemata Harbour (Read and Gordon 1991). This species is not listed as an Unwanted Organism and is not recognised as a pest species.

***Polydora hoplura* Claparedé, 1870**

Phylum: Annelida

Class: Polychaeta

Order: Spionida

Family: Spionidae

Genus: *Polydora*

Species: *hoplura*

Polydora hoplura was only detected at the LPG terminal. This species is thought to be native to Europe and the Mediterranean Sea, and has been introduced to South Africa. It has previously been recorded in New Zealand, and the date of introduction is probably around 1900 (Cranfield *et al.* 1998). This species has been previously located at the Ports of Nelson, Picton, Tauranga, Wellington, Whangarei and Otago (Inglis *et al.* 2006e, h, i, q). This species is not listed as an Unwanted Organism and is not recognised as a pest species.

5.4.2 Cryptogenic species

Algae

***Sphacelaria* sp.**

Phylum: Ochrophyta

Class: Phaeophyceae

Order: Sphacelariales

Family: Sphacelariaceae

Genus: *Sphacelaria*

Species: sp.



Figure 19: *Sphacelaria* sp. (Source:

http://www.fimr.fi/fi/tietoa/sanakirja/fi_FI/levavyohykkeet/_files/12076504320079940/default/1_lev+vy+hykkeit_punalev+_www.jpg

Specimens of *Sphacelaria* sp. (Figure 19) were detected at two recreational sites, Hudsons Beach boat ramp and Kaiteke Point boat ramp. The taxonomic clearinghouse did not provide a species name for this identification. Currently, there are 59 recognised species of the genus *Sphacelaria*. Species of *Sphacelaria* are distributed widely from polar to tropical waters and often referred to as cosmopolitan in distribution. The species *S. fusca* had been introduced to Australia from the northeast Atlantic. Without identification to species, it is not possible to determine whether this species should be considered a pest or an Unwanted Species.



Arthropoda

Lysmata vittata (Stimpson 1860)

Phylum: Arthropoda

Class: Malacostraca

Order: Decapoda

Family: Hippolytidae

Genus: *Lysmata*

Species: *vittata*

Lysmata vittata was only detected at one site, the LPG terminal. *L. vittata* has an Indo-west Pacific native distribution; being present in the Red Sea, southeast Africa to China, Japan and the Malay Archipelago. It is commonly known as the Indian Lined Shrimp and is a commercially important prawn fishery in India (<http://www.ibiologia.unam.mx/links/peces/fao/SHRIMPS%20AND%20PRAWNS%20OF%20THE%20WORLD/AC477E20.pdf>).

This species has not been detected previously in New Zealand. This species is not listed as an Unwanted Organism and is not recognised as a pest species in any region.

Asciidae

Microcosmus squamiger Hartmeyer & Michaelsen, 1928

Phylum: Chordata

Class: Ascidiacea

Order: Pleurogona

Family: Pyuridae

Genus: *Microcosmus*

Species: *squamiger*

Microcosmus squamiger was detected at 17 sites including commercial regions the Onehunga wharves, the LPG terminal, a number of channel markers and fishing berths, as well as recreational sites such as Cornwallis wharf. This species is native to Australia.

Within New Zealand this species has been detected previously at the Ports of Auckland, Gisborne, Napier and Whangarei as well as Gulf Harbour (Inglis et al. 2006g, j-m, q). This species is not listed as an Unwanted Organism and is not recognised as a pest species.



Cnidaria

Diadumenidae

The five specimens identified as Diadumenidae by the taxonomic clearinghouse could potentially be *Diadumene lineata* and the species is therefore included in this report.

Diadumene lineata (Verill 1898)

Phylum: Cnidaria

Class: Anthozoan

Subclass: Zooantharia

Order: Actinaria

Family: Haliplanellidae

Genus: *Diadumene*

Species: *lineata*



Figure 20: *Diadumene lineata*.

Specimens that could potentially be *Diadumene lineata* (Figure 20) were detected at the Onehunga wharves. This anemone is native to Japan and is sometimes referred to as the orange-striped green anemone. The characteristic features of *D. lineata* include the lack of an oral ring of tentacles, the presence of smooth tentacles, and the separation of the capitulum from the column by a parapet (Kozloff 1974). *D. lineata* is small in size (< 30mm) and, like most cnidaria, is capable of both sexual and asexual (fission) reproduction (Brusca & Brusca 2003).

D. lineata is thought to have been introduced to New Zealand prior to 1983 (Cranfield et al. 1998) and has been recorded from Meola reef in the Waitemata Harbour (Ford et al. 2006). The global distribution of this species has lead to it being considered a cosmopolitan species, and it is known to be introduced to Europe, the Atlantic and Pacific coasts of the USA, the Suez Canal and Australia (Furlani 1996).

Polychaeta

Sabellariidae and Sabellidae

These specimens have been included and hence mentioned herein as cryptogenic species as they may be *Sabella spallanzanii* or *Myxicola infundibulum*.

Capitella capitata (Fabricius, 1780)

Phylum: Annelida

Class: Polychaeta

Order: Scolecida

Family: Capitellidae

Genus: *Capitella*

Species: *capitata*

Capitella capitata was only detected at the Onehunga Shed D wharf. This species is associated with disturbed habitats. It has a cosmopolitan distribution. The genus *Capitella* is widespread throughout New Zealand (D. McClary, pers. comm.). *C. capitata* has been previously located within New Zealand at the Whangarei Marina (Inglis et al. 2006p) and in Waitemata Harbour (Kingett Mitchell 2005). This species is not listed as an Unwanted Organism and is not recognised as a pest species.



***Levinsenia gracilis* (Tauber, 1879)**

Phylum: Annelida

Class: Polychaeta

Order: Orbiniida

Family: Paraonidae

Genus: *Levinsenia*

Species: *gracilis*

Levinsenia gracilis was only detected at channel marker 1. This species is cosmopolitan, with a broad distribution that includes the Atlantic coast of the US, the Adriatic Sea, the Aegean Sea, California, Costa Rica, the Ligurian Sea, the Mediterranean, the North Sea, Norway and in Arctic fjords (e.g., Hyland *et al.* 1991; Somaschini *et al.* 1997; Holte & Gulløksen, 1998; Leon-Moreales & Vargas 1998; Smith *et al.* 2000 Kendall *et al.* 2004; Ergen *et al.* 2006).

L. gracilis has been previously located within New Zealand in Waitemata Harbour (Lundquist *et al.* 2003, Hewitt *et al.* 2006) and on the upper shelf along the west coast of the South Island (Probert *et al.* 2001). This species is not listed as an Unwanted Organism and is not recognised as a pest species.

5.4 Public Awareness Programme

The awareness programme did not result in any queries from the public, local councils or government agencies.

6.0 POTENTIAL IMPACTS OF INTRODUCED SPECIES FOUND IN THE PORT

No Unwanted Organisms or ‘pest’ species were detected during the survey. The majority of introduced and cryptogenic species detected in Onehunga are not known to have significant impacts on the native communities. A number of the species are found in port regions throughout New Zealand and the world, and as such are often labelled as cosmopolitan species. For example, *Capitella capitata* is recognised in all regions of the world (cosmopolitan) and, although associated with polluted waterways, no recognised impacts are associated with this species other than an ability to outcompete native species.

The impacts of some of the introduced species (e.g., *Bugula neritina*) in Onehunga appear to be small as their distribution is largely confined to the highly modified environment of the port. Their ecological impacts are unlikely to become serious unless they spread to less altered regions. In contrast, the commercial oyster *Crassostrea gigas*, the introduced algae *Solieria* sp., and the ascidian *Microcosmus squamiger* were found throughout the area in high densities and were often the dominant fauna. Species such as these can have significant fouling impacts, which can lead to high economic costs in infrastructure, hull and mariculture cleaning; although to date their impacts are yet to be determined.

In summary, the vast majority of introduced and cryptogenic species detected during the Port of Onehunga survey are not known to have significant impact on native communities, however there have been few studies to quantify this. A number of the species detected, such as *Crassostrea gigas* and several of the bryozoan species, are widespread throughout New Zealand waters and internationally.



7.0 ORIGIN AND POTENTIAL VECTORS FOR THE INTRODUCTION OF NON-INDIGENOUS SPECIES FOUND IN THE PORT

Introduced species detected in Port of Onehunga are likely to have arrived via three mechanisms:

- i) Natural range extension of species introduced to other parts of New Zealand;
- ii) Directly to the port by shipping using the port, either in ballast water or by hull fouling; and/or
- iii) By domestic translocation from fishing and recreational vessels.

Natural range extension occurs primarily via dispersal of larvae by wind and currents. Typically, species that have a planktonic phase in their life history are capable of some degree of natural dispersal via currents and water movement. Bryozoans, polychaetes and ascidians have broad distributions throughout New Zealand and some are well known to establish on hulls of vessels, as well as have a planktonic life history phase. It is, however, more likely that these species have been introduced through multiple invasion events. Thus, it is highly unlikely that the introductions discussed here are a result of natural dispersal. It is more likely that the introductions are a by-product of international and domestic shipping industries. This is especially pertinent given the location of Onehunga in relation to Auckland.

Several species are also likely to have been introduced either directly from international shipping or indirectly from other first-entry ports via commercial, recreational and fishing vessels or slower moving vessels. The slower moving vessels, in particular, are prone to forming extensive hull fouling due to their slow movement (reduced likelihood of community displacement during voyage time), the longer port residence times and the relative infrequency of dry-docking and brush-cart (in water hull cleaning). Slower moving vessels are likely to increase survival of species encrusting the hulls, leading to the entry and potential colonisation of the port of a diverse and often adult community. Previous work in the north Pacific has demonstrated the ability for these vessels to transport complete assemblages over long distances (Carlton 1985). The long resident times allow for reproductive populations to establish themselves.

It is likely that international trade and recreational vessels have been responsible for the introductions detected during the Port of Onehunga survey. This is highlighted by the historical data of Onehunga's last port of call information, which indicates that international trade between Australia has been most common (~69%; Figure 21). Also, the majority of the introduced and cryptogenic species detected in the survey are already present in New Zealand waters although domestic trade within this port is low (~2%; Figure 21). A case for secondary transfers exists, however, when considering that the native origin of many of the introduced and cryptogenic species (Table 3) are not trading ports with Onehunga (Figure 21), inferring that secondary introductions have occurred for these species to reach this region. Table 3 summarises the introduced and cryptogenic species, their native origin, and possible route to Manukau Harbour.

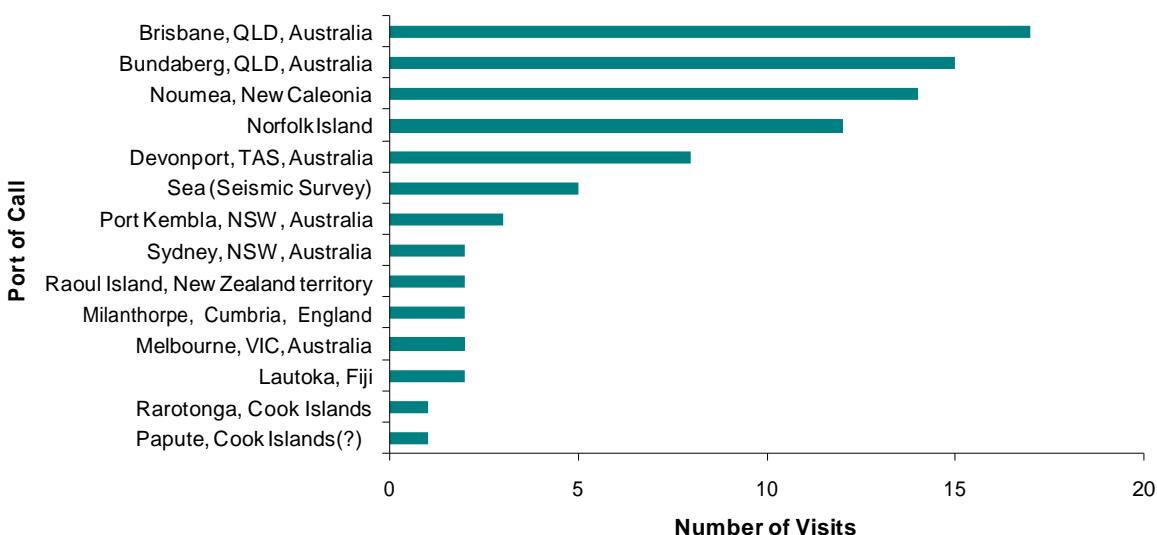


Figure 21: Trading patterns to the Port of Onehunga.



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Table 3: Native and possible origin of the introduced and cryptogenic species detected during the Port of Onehunga survey.

Species	Native Origin	Possible Origin Into Onehunga
Algae		
<i>Sphacelaria</i> sp.	Cosmopolitan	Unknown
<i>Solieria</i> sp.	Western Mediterranean	Unknown
Arthropods		
<i>Jassa slatteryi</i>	Widespread in temperate and tropical harbours	Australia
<i>Lysmata vittata</i>	Indo-west Pacific	Domestic
<i>Monocorophium acherusicum</i>	Cosmopolitan	Australia, domestic
<i>Pyromaia tuberculata</i>	Western North America	Australia, domestic
Ascidians		
<i>Diplosoma listerianum</i>	South Africa, cosmopolitan	Unknown
<i>Microcosmus squamiger</i>	Australia	Australia
<i>Molgula manhattensis</i>	Atlantic	Australia
<i>Styela plicata</i>	East Asian Seas	Australia, domestic
Bryozoans		
<i>Amathia distans</i>	Mediterranean, Red Sea	Domestic
<i>Bugula neritina</i>	Northeast Atlantic	Domestic
<i>Conopeum seurati</i>	Oued Bezirk, Tunisia	Domestic
<i>Cryptosula pallasiana</i>	North Atlantic	Domestic
Cnidaria		
<i>Diadumenidae</i>	Japan	Australia, domestic
(<i>Diadumene lineata</i>)		
Molluscs		
<i>Crassostrea gigas</i>	Japan	Domestic
Polychaetes		
<i>Barantolla leptae</i>	Australia	Australia
<i>Capitella capitata</i>	Cosmopolitan	Domestic
<i>Levinsenia gracilis</i>	Cosmopolitan	Unknown
<i>Paradoneis lyra</i>		
<i>Polydora cornuta</i>	North Atlantic, cosmopolitan	Unknown
<i>Polydora hoplura</i>	Europe and Mediterranean	Unknown
<i>Neanthes aff. succinea</i>	Northeast Atlantic	Australia, domestic
<i>Sabellariidae/Sabellidae</i> (<i>Myxicola infundibulum</i>)	Mediterranean	Domestic
<i>Sabellariidae/Sabellidae</i> (<i>Sabella spallanzanii</i>)	Mediterranean	Domestic



8.0 INFLUENCES OF THE PORT ENVIRONMENT AND PORT PRACTICES ON COLONISATION AND SURVIVAL OF INTRODUCED SPECIES

The resident fauna of the Port of Onehunga is indicative of an estuarine environment (a reverse lagoon with high salinity levels), enclosed and sheltered from the open coast with only minor exposure to variations in salinity. Of the introduced species detected in the port, the majority of species are not restricted to estuarine environments and would therefore be capable of extending their range beyond the Onehunga locale.

Port enhancement activities such as maintenance dredging, berth development and revetment construction create disturbed and novel habitats that may lead to increased invasion success. Many introduced species appear to require some form of disturbance in order to enter an existing native community. These activities in the port may influence the establishment of some encrusting or fouling species.

Hull cleaning activities, either in water (brush cart cleaning, with a resource consent) or in dry dock, can have a significant influence on the inoculation and establishment of species. Based on this, the fishing wharves are a likely area for introductions.

9.0 ASSESSMENT OF THE RISK OF NEW INTRODUCTIONS TO THE PORT

The successful introduction of an exotic species to a port through hull fouling or ballast water discharge requires some level of environmental matching between the donor and receiving ports. The degree of matching required and important characteristics will depend on the environmental tolerances of individual species. In the absence of this species-level information some general observations can be made on the risks of new introductions to the Port of Onehunga.

Given the current level of international ship visits to the Port of Onehunga, the risk of new introductions from overseas appears to be greatest at the Onehunga wharves and the LPG wharves. Vessels visiting these areas have the potential to discharge large volumes of ballast water and are likely to carry many hull fouling organisms compatible with the environment in Manukau Harbour. For example, the recent introduction of *Sabella spallanzanii* occurred at an LPG berth in the Port of Lyttleton. Japanese bulk carriers (e.g., woodchip vessels) have previously been documented as carrying toxic dinoflagellate cysts in the sediments into Eden on the New South Wales coast of Australia (Hallegraeff & Bolch 1992) and will carry and discharge significant numbers of larvae entrained in the ballast water. Carlton & Geller (1993) examined the ballast water of a number of woodchip vessels, including the Eden Maru, entering Coos Bay, Oregon, USA from Japanese ports and found over 212 different taxa from 36 phyla. It is likely that these numbers would not apply equally to ballast arriving in Onehunga as the amount of shipping is greatly reduced in at this port.

Onehunga is often the first and last port-of-call for international vessels transiting to and from Australia. Given the average voyage time from Australia of three to four days, introduction of international species from these vessels is very possible.

The periodic presence of slow-moving long residence vessels such as dredging vessels may present an opportunity for significant fouling communities to establish themselves while in the port. Previous work in the north Pacific has demonstrated the ability for these vessels to transport complete assemblages over long distances (Carlton 1985). The long resident times allow for reproductive populations to establish themselves.



10.0 ASSESSMENT OF THE RISK OF TRANSLOCATION OF INTRODUCED SPECIES FOUND IN THE PORT

An assessment of risks of translocation of introduced species from the Port of Onehunga to other ports by shipping involves similar considerations to those discussed in assessing the risks of new introductions. Vessels that load ballast water in Onehunga are therefore capable of discharging into other international ports (Australia and South Pacific). Up to 55.5% of the trade that leaves the Port of Onehunga travels to Australian ports, with the remaining trade (44.5%) heading to the South Pacific (Figure 22).

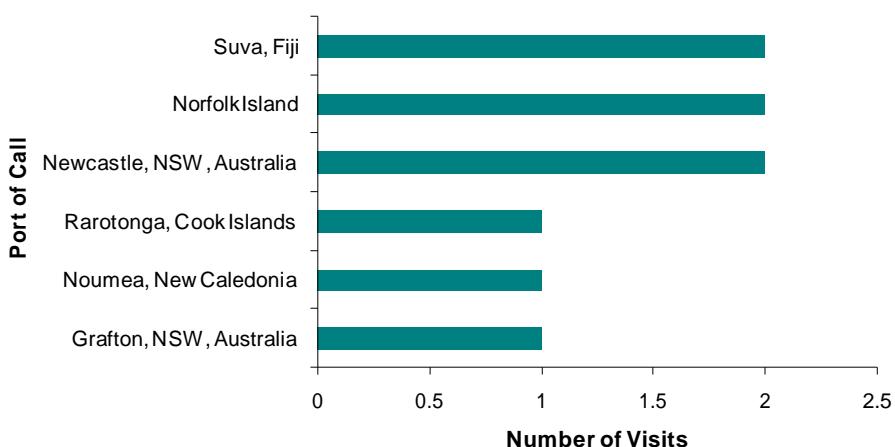


Figure 22: Next port of call for Port for Onehunga trade.

The likelihood of transport and successful establishment of species in those new environments will be determined by the presence of specimens in the water column during uptake in Onehunga, as well as the survival during the voyage and the environmental regime in the recipient port. This information is outlined in Hayes & Hewitt (1998) as the foundation of the risk assessment based Decision Support System being developed by the Australian Quarantine and Inspection Service.

A number of vessels are likely to move organisms via hull fouling. These organisms are likely to include the various encrusting bryozoans, hydroids, barnacles and ascidians. There is a relatively small number of ships importing and exporting into Onehunga from other New Zealand ports, which are possibly carrying organisms accustomed to similar environments to Onehunga. Consequently the risk of translocation and establishment is low. Onehunga is, however, in close proximity to the Port of Auckland and, hence, may pose a threat to this region via dispersal of established species.

11.1 RECOMMENDATIONS

11.2 Management of Existing Introduced Species in the Port

A number of the introduced species detected in this survey appear well established in the port. For these species eradication from the port by physical removal ceases to be a realistic option. Many of these species are widespread in New Zealand waters and controls aimed at limiting their spread are likely to be ineffective.

It is recommended that a monitoring program be initiated with qualitative evaluations of the berth regions (Onehunga wharf and LPG terminal) on an annual basis and, based on the frequency of ship visits and ballast discharges, the port should be resurveyed in three to five years, targeting areas of active ballast discharge (berths and anchorage points) and dredge disposal sites. Unlike faunal and floral surveys of native species, the survey and evaluation presented in this report is temporally limited and will become outdated once a new introduction occurs.



11.3 Prevention of New Introductions

There is currently no available information on which to base an estimate of the risks of introductions to the port via hull fouling. It is recommended that the port initiate a programme of periodic inspection of the hulls of vessels that regularly use the port to provide information on the level of fouling on a range of international vessels. This data may be available via research that has been previously funded via MAF Biosecurity New Zealand.

12.0 ACKNOWLEDGEMENTS

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APPENDIX A

Report Limitations



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APPENDIX B

Sample Sites



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During the survey period the weather conditions were less than optimal with wind speeds reaching 92 knots and torrential rainfall. Consequently, there were a number of sites that could not be sampled due to dangerous conditions, which necessitated that modifications to the original survey design be implemented. As discussed in the preliminary report, the following reasons justify why alterations to the originals sampling design was made:

- Dangerous weather conditions (force majeur);
- Dangerous sites (force majeur);
- The original site could not accommodate the sample methods and/or the sample number indicated in the original survey design; and
- Shipping patterns precluded sampling at a site.

Thus, a modified survey design was implemented (Table B1) with 38 sites being sampled (a reduction from 42 sites). Justifications for modifications of sampling design are provided in the preliminary report.

Table B1: Onehunga introduced species survey sites sampled, with sample method and number* of samples taken at each. Note that no underwater photos were possible due to poor weather conditions.

Site Name	Sampling method										
	1	2	3	4	5	6	7	8	9	10	11
Fishing berths 1	3	3	3	0	0	0	18	0	0	0	0
Fishing berths 2	0	0	0	0	0	1	18	0	0	0	0
Fishing shoal	0	0	0	0	0	1	0	0	0	0	0
Shed A wharf	3	3	3	3	0	0	16	0	0	0	0
Shed B wharf	3	3	0	0	0	0	16	0	0	0	0
Shed D wharf	3	3	0	0	0	0	16	0	0	0	0
Mangere Bridge	3	3	3	3	0	0	3	0	0	0	0
Reef	0	0	3	3	0	1	0	0	0	0	0
Ramp	3	0	3	3	0	1	0	0	0	0	0
White Bluff	0	0	0	0	0	1	0	0	0	0	0
Channel marker 35	3	3	3	3	0	1	0	0	0	0	0
Channel marker 29	3	3	0	0	0	1	0	0	0	0	0
Channel marker 25	3	3	3	3	0	1	0	0	0	0	0
Channel marker 21	3	3	0	0	0	1	0	0	0	0	0
Channel marker 17	3	3	3	3	0	1	0	0	0	0	0
Channel marker 6	3	3	0	0	0	1	0	0	0	0	0
Channel marker 4	3	3	3	3	0	1	0	0	0	0	0
Channel marker 2	3	3	0	0	0	1	0	0	0	0	0
Channel marker 7	3	3	3	3	0	1	0	0	0	0	0
Channel marker 1	3	3	0	0	0	1	0	0	0	0	0
Bigsea Bay	0	0	0	0	0	1	0	0	0	0	0
Karo re bank 1	3	3	0	0	0	0	0	0	0	0	0
Karo re bank 2	3	3	3	3	0	0	0	0	0	0	0



PORT OF ONEHUNGA INTRODUCED SPECIES PORT SURVEY - FINAL REPORT

Table B1: continued.

Site Name	Sampling method										
	1	2	3	4	5	6	7	8	9	10	11
Purakau spoil ground	3	3	3	3	0	0	0	0	0	0	0
Purakau channel 1	3	3	0	0	0	0	0	0	0	0	0
Purakau channel 2	3	3	3	3	0	0	0	0	0	0	0
Purakau channel 3	3	3	0	0	0	0	0	0	0	0	0
Kaiteke Point boat ramp	6	6	3	3	0	0	0	0	0	1	1
Hudsons beach boat ramp	6	6	3	3	0	0	0	0	0	0	0
Taratara Point	3	3	0	0	0	0	0	0	0	0	0
Ninepin rock	NA	NA	NA	NA	NA	NA	NA	0	NA	NA	NA
Western shoals	NA	NA	NA	NA	NA	NA	NA	0	NA	NA	NA
North bank	NA	NA	NA	NA	NA	NA	NA	0	NA	NA	NA
South bank	NA	NA	NA	NA	NA	NA	NA	0	NA	NA	NA
LPG Terminal 1	3	3	3	3	0	0	8	0	0	0	0
LPG Terminal 2	6	6	3	3	0	0	18	0	0	0	0
LPG Terminal 3	6	6	3	3	0	0	18	0	0	0	0
LPG Terminal 4	3	3	3	3	0	1	0	0	0	0	0
LPG Terminal 5	0	3	0	0	0	0	0	0	0	0	0
LPG approach 1	3	3	0	0	0	0	0	0	0	0	0
LPG approach 2	3	3	3	3	0	0	0	0	0	0	0
LPG approach 3	3	3	0	0	0	0	0	0	0	0	0
Shed D wharf extra site	0	0	0	0	0	0	8	0	0	0	0
Cornwallis wharf extra site	0	0	0	0	11	1	0	0	0	0	1

* NB: Number of samples taken can be altered during the survey if required, but must be recorded and reported upon in all reports to MAF Biosecurity New Zealand.

1 = Small core (dinoflagellate cysts). Cores are to be taken at the base of each pile in triplicate and in triplicate 50m out from the base of pile 1. These samples are always taken in triplicate.

2 = Large core (benthic infauna). Cores are to be taken at the base of each pile and in triplicate 50m out from pile 1. A sediment sample is also to be taken at the base and 50m from pile 1.

3 = 20 µm plankton net (dinoflagellates/phytoplankton). Three vertical plankton tows are taken at each site.

4 = 100 µm plankton net (plankton). Three vertical plankton tows are taken at each site.

5 = Traps (crab/shrimp). 6 traps are deployed at each site.

6 = Qualitative visual samples. Visual, qualitative, diver survey/assessments of each pile, facing, or other structure are carried out to evaluate pile communities. Qualitative photos and collections are made.

7 = Quadrat scraping. 0.10 m² quadrat scraping at 0.5, 3.0 and 7.0 m depths on three outer piles.

8 = Photo stills and video. Video footage of front facing of the pile/facing. Photo stills taken of each quadrat prior to scraping. Photo stills are to be taken at a distance to provide a 1:6 scale and hence 4 photo stills are taken of each quadrat.

9 = Poison stations (fish). Rotenone or similar poison sampling.

10 = Beach seines (fish). Three beach seine tows per site.

11 = Beach walk (wrack). Search beach for wrack (qualitative visual survey).



PORT OF ONEHUNGA INTRODUCED SPECIES PORT SURVEY - FINAL REPORT

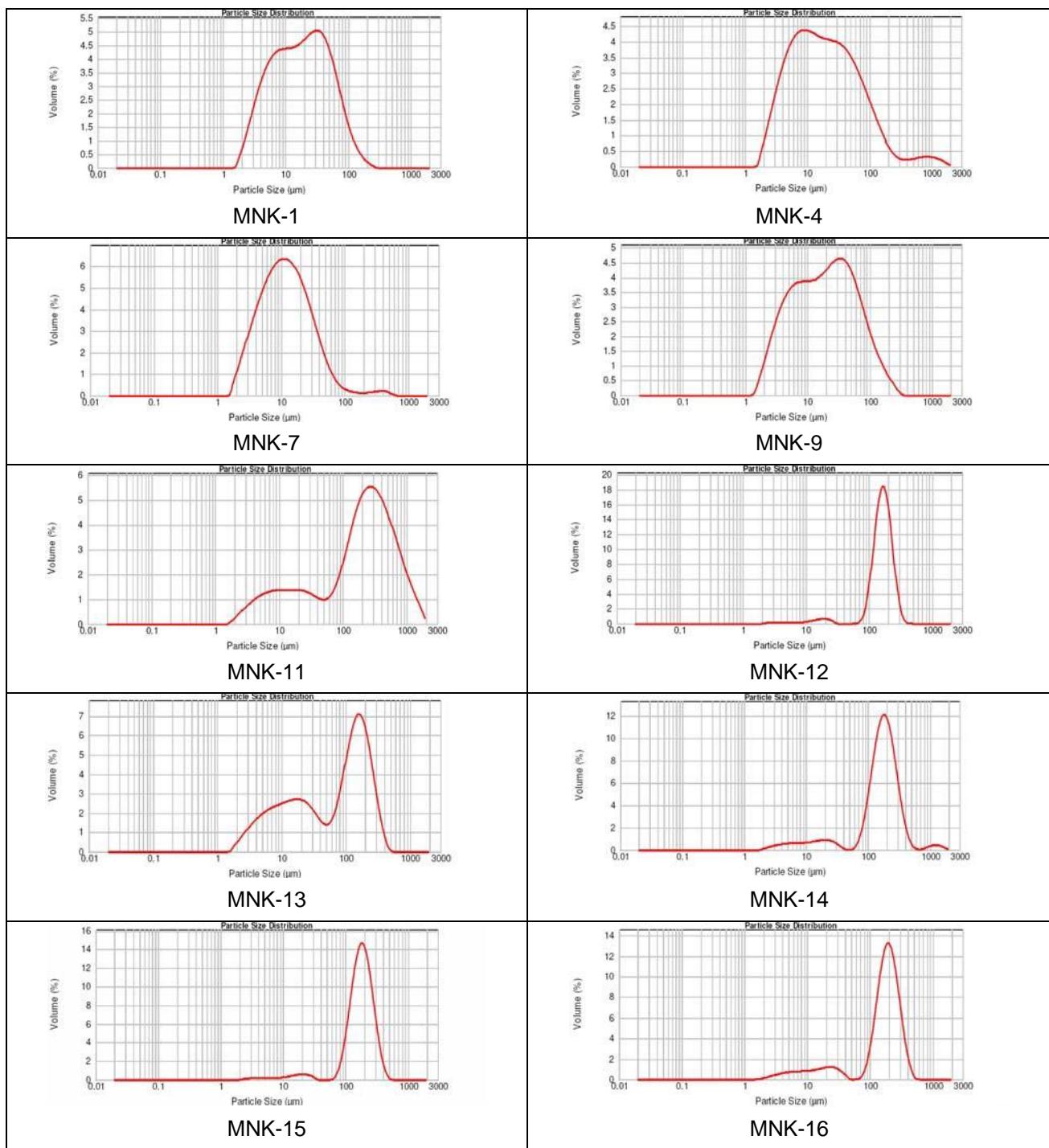
APPENDIX C

Survey Results



PORT OF ONEHUNGA INTRODUCED SPECIES PORT SURVEY - FINAL REPORT

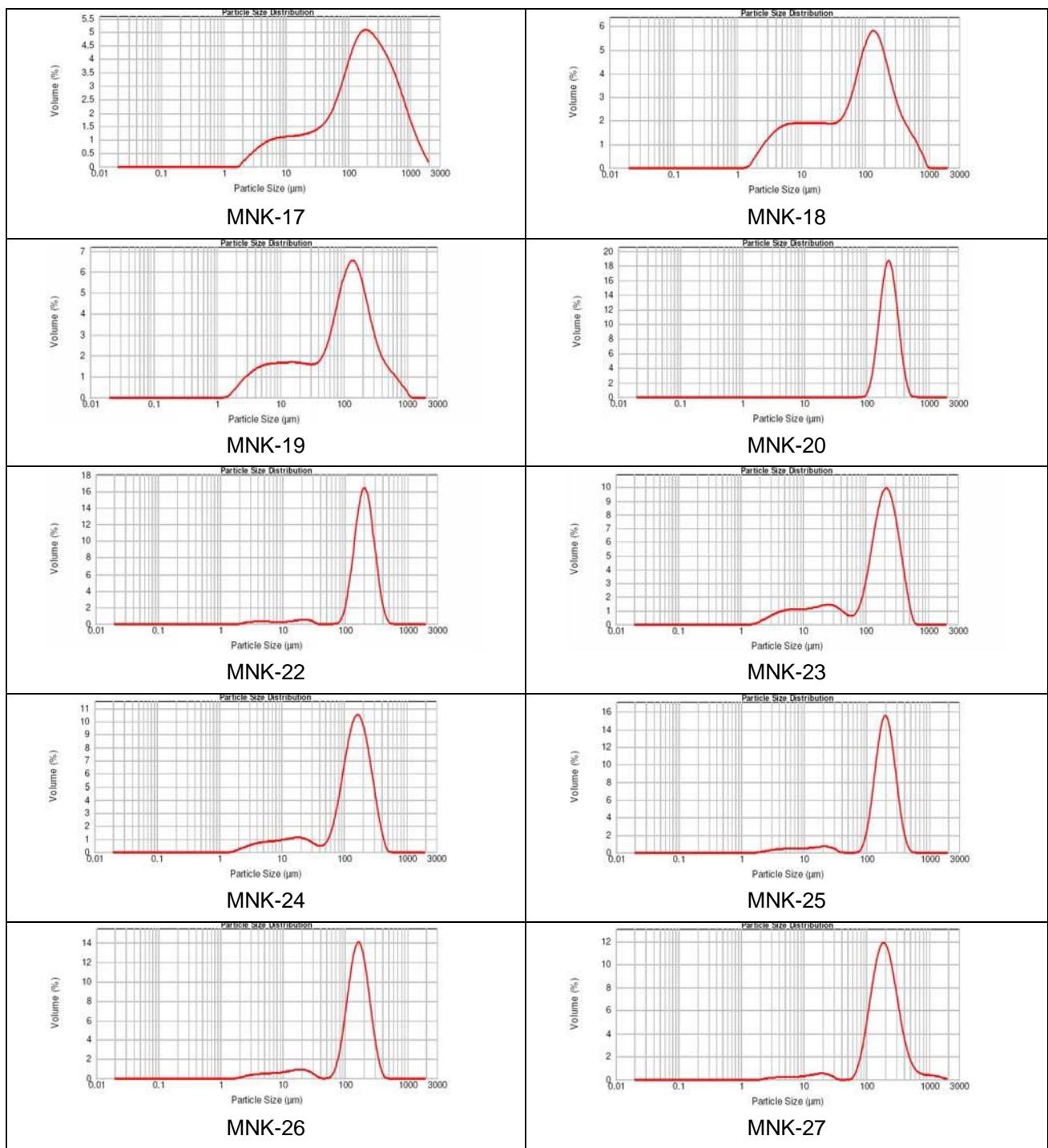
Figure C1: Sediment particle size.





PORT OF ONEHUNGA INTRODUCED SPECIES PORT SURVEY - FINAL REPORT

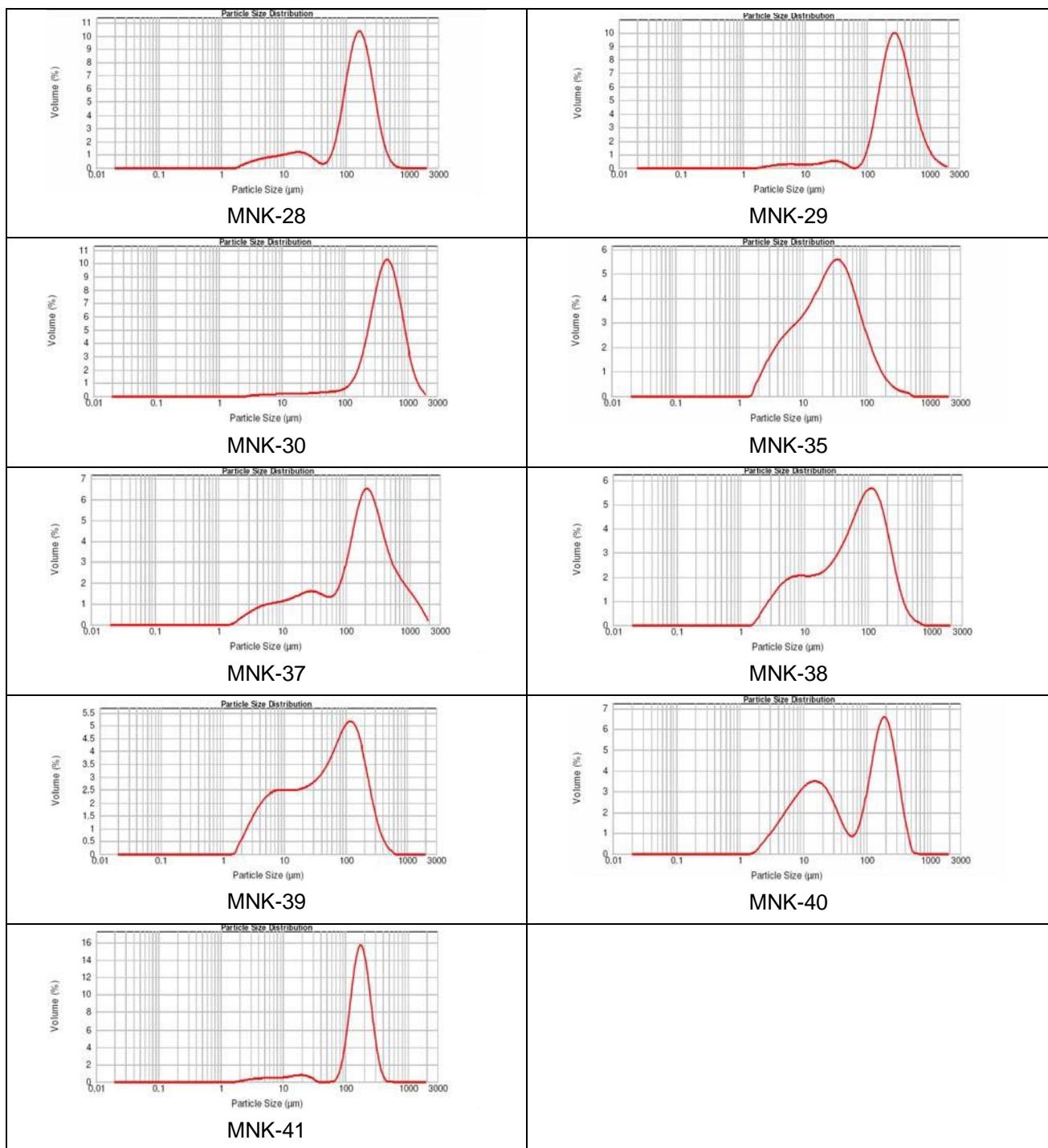
Figure C1: continued

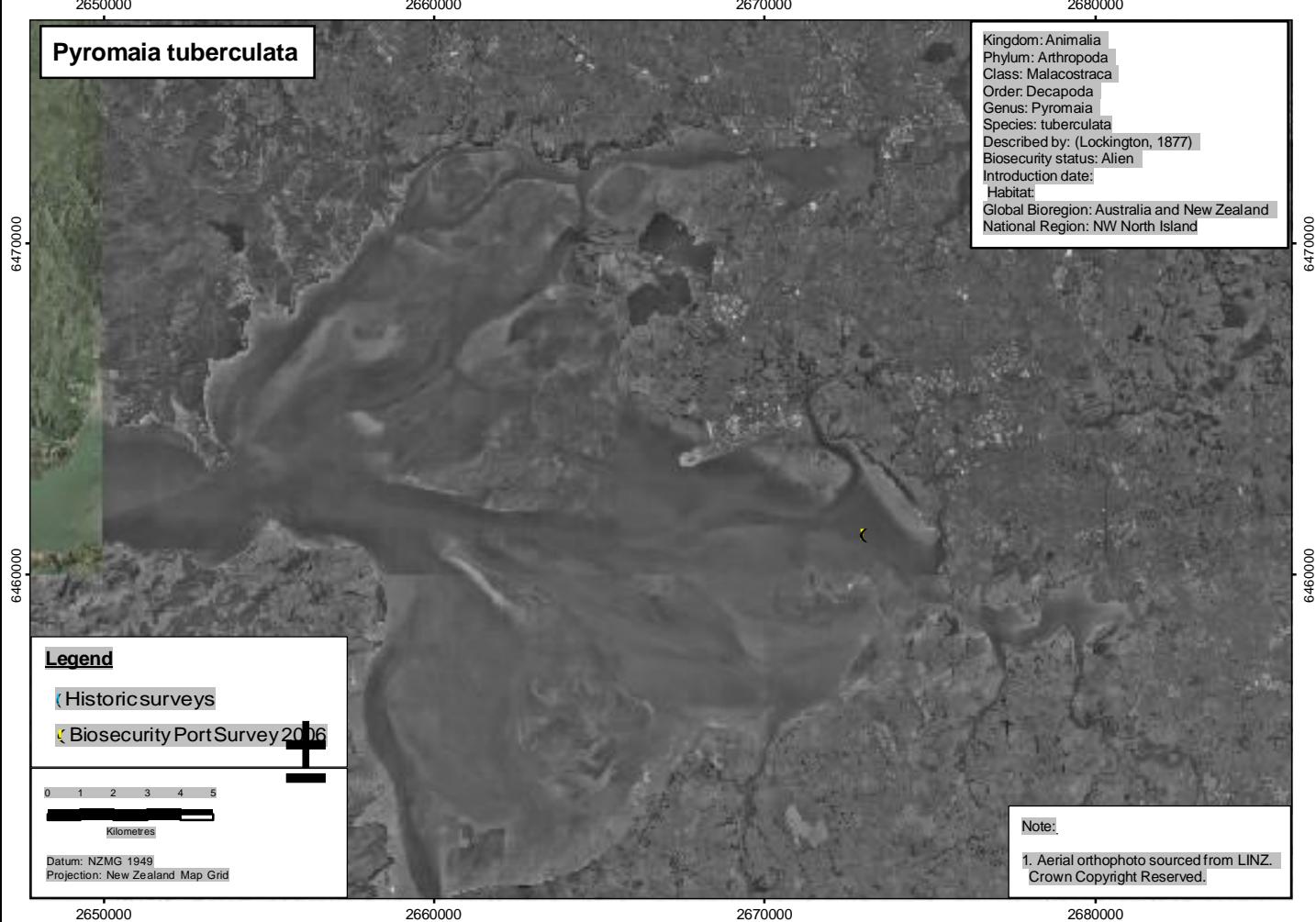


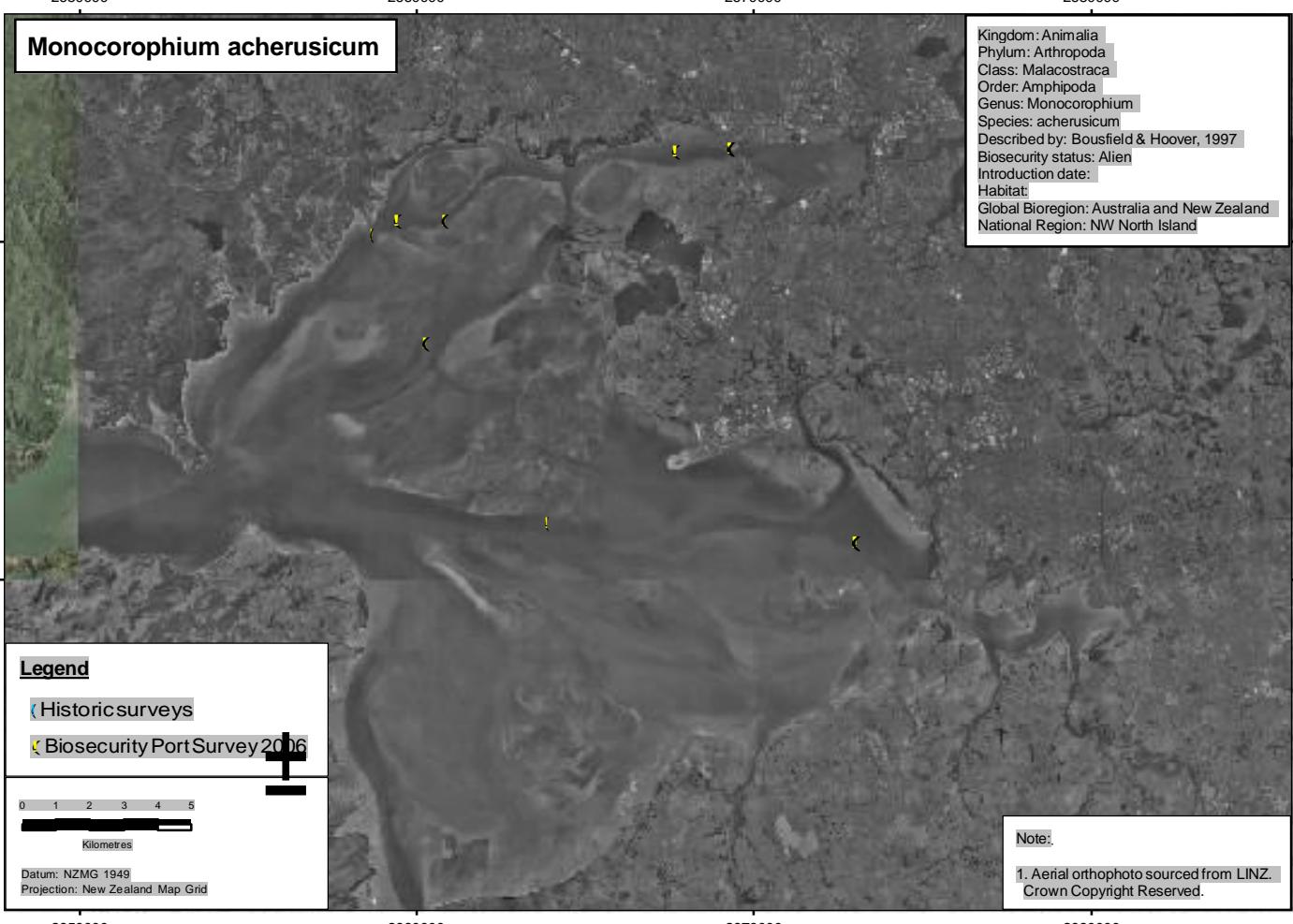


PORT OF ONEHUNGA INTRODUCED SPECIES PORT SURVEY - FINAL REPORT

Figure C1: continued







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Molgula manhattensis

Kingdom: Animalia
Phylum: Chordata
Class: Ascidiacea
Order: Pleurogona
Genus: Molgula
Species: manhattensis
Described by: (DeKay, 1843)
Biosecurity status: Alien
Introduction date:
Habitat:

Global Bioregion: Australia and New Zealand
National Region: NW North Island

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Styela plicata

Kingdom: Animalia
Phylum: Chordata
Class: Ascidiacea
Order: Pleurogona
Genus: Styela
Species: plicata
Described by: (Lesueur, 1823)
Biosecurity status: Alien
Introduction date: Pre-1948
Habitat: Piers

Global Bioregion: Mediterranean, NW Atlantic, NE Atlantic,
Cosmopolitan, Australia and New Zealand
National Region: NE North Island, NW North Island

Legend

(Historic surveys

↳ Biosecurity Port Survey 2006

0 1 2 3 4 5

Kilometres

Datum: NZMG 1949
Projection: New Zealand Map Grid

Note:

1. Aerial orthophoto sourced from LINZ.
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Diplosoma listerianum

Kingdom: Animalia
Phylum: Chordata
Class: Ascidiacea
Order: Enterogona
Genus: Diplosoma
Species: listerianum
Described by: (Milne-Edwards, 1841)
Biosecurity status: Alien
Introduction date:
Habitat:

Global Bioregion: Australia and New Zealand
National Region: NW North Island

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Amathia distans

Kingdom: Animalia
Phylum: Bryozoa
Class: Gymnolaemata
Order: Ctenosomata
Genus: Amathia
Species: distans
Described by: Busk, 1866
Biosecurity status: Alien
Introduction date:
Habitat:
Global Bioregion: Australia and New Zealand
National Region: NW North Island

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Legend

- Historic surveys
- Biosecurity Port Survey 2006

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Kilometres

Datum: NZMG 1949
Projection: New Zealand Map Grid

Note:

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Cryptosula pallasiana

Kingdom: Animalia
Phylum: Bryozoa
Class: Gymnolaemata
Order: Cheilostomata
Genus: Cryptosula
Species: pallasiana
Described by: (Moll, 1803)
Biosecurity status: Alien
Introduction date:
Habitat:

Global Bioregion: Australia and New Zealand
National Region: NW North Island

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Conopeum seurati

Kingdom: Animalia
Phylum: Bryozoa
Class: Gymnolaemata
Order: Cheilostomata
Genus: Conopeum
Species: seurati
Described by: (Canu, 1908)
Biosecurity status: Alien
Introduction date:
Habitat:

Global Bioregion: Australia and New Zealand
National Region: NW North Island

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(Historic surveys

(Biosecurity Port Survey 2006

0 1 2 3 4 5 Kilometres

Datum: NZMG 1949
Projection: New Zealand Map Grid

Note:

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Bugula neritina

Kingdom: Animalia
Phylum: Bryozoa
Class: Gymnolaemata
Order: Cheilostomata
Genus: Bugula
Species: neritina
Described by: (Linnaeus, 1758)
Biosecurity status: Alien
Introduction date: 1949
Habitat: Artificial substrates, rocky reefs & seagrass leaves
Global Bioregion: Cosmopolitan
National Region: NE North Island, NW North Island,
SE North Island, SW North Island, NE South Island,
NW South Island, SE South Island, Fiordland, St

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Crassostrea gigas

Kingdom: Animalia
Phylum: Mollusca
Class: Bivalvia
Order: Ostreoida
Genus: Crassostrea
Species: gigas
Described by: (Thunberg, 1793)
Biosecurity status: Alien
Introduction date: 1961
Habitat:
Global Bioregion: NW Atlantic, NE Pacific,
NW Pacific, South Pacific, Australia and New Zealand
National Region: NE North Island, NW North Island,
SW North Island, Stewart Island

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Legend

- (Historic surveys)
- (Biosecurity Port Survey 2006)

0 1 2 3 4 5 Kilometres

Datum: NZMG 1949
Projection: New Zealand Map Grid

Note:

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TITLE | DISTRIBUTION OF SPECIES IN THE MANUKAU HARBOUR

JANUARY 2009

PROJECT | MINAFNAT015



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Barantolla lepte

Kingdom: Animalia
Phylum: Annelida
Class: Polychaeta
Order: Scolecida
Genus: Barantolla
Species: lepte
Described by : Hutchings, 1974
Biosecurity status: Alien
Introduction date:
Habitat:
Global Bioregion: Australia and New Zealand
National Region: NW North Island

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Neanthea aff. succinea

Kingdom: Animalia
Phylum: Annelida
Class: Polychaeta
Order: Phyllodocida
Genus: Neanthes
Species: aff. succinea
Described by:
Biosecurity status: Alien
Introduction date:
Habitat:
Global Bioregion: Australia and New Zealand
National Region: NW North Island

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Legend

Historic surveys

Biosecurity Port Survey 2006

0 1 2 3 4 5

Kilometres

Datum: NZMG 1949
Projection: New Zealand Map Grid**Note:**1. Aerial orthophoto sourced from LINZ.
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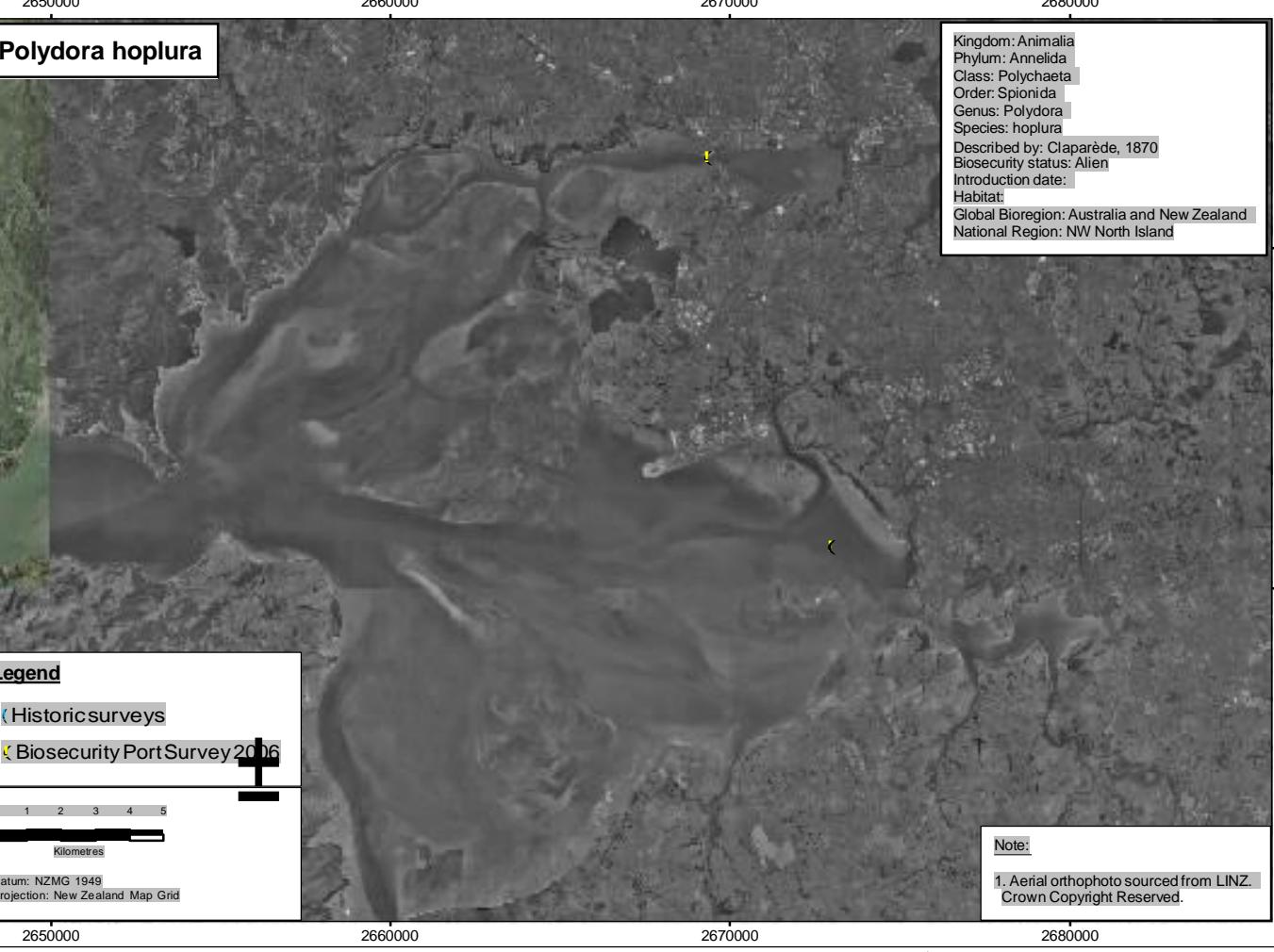
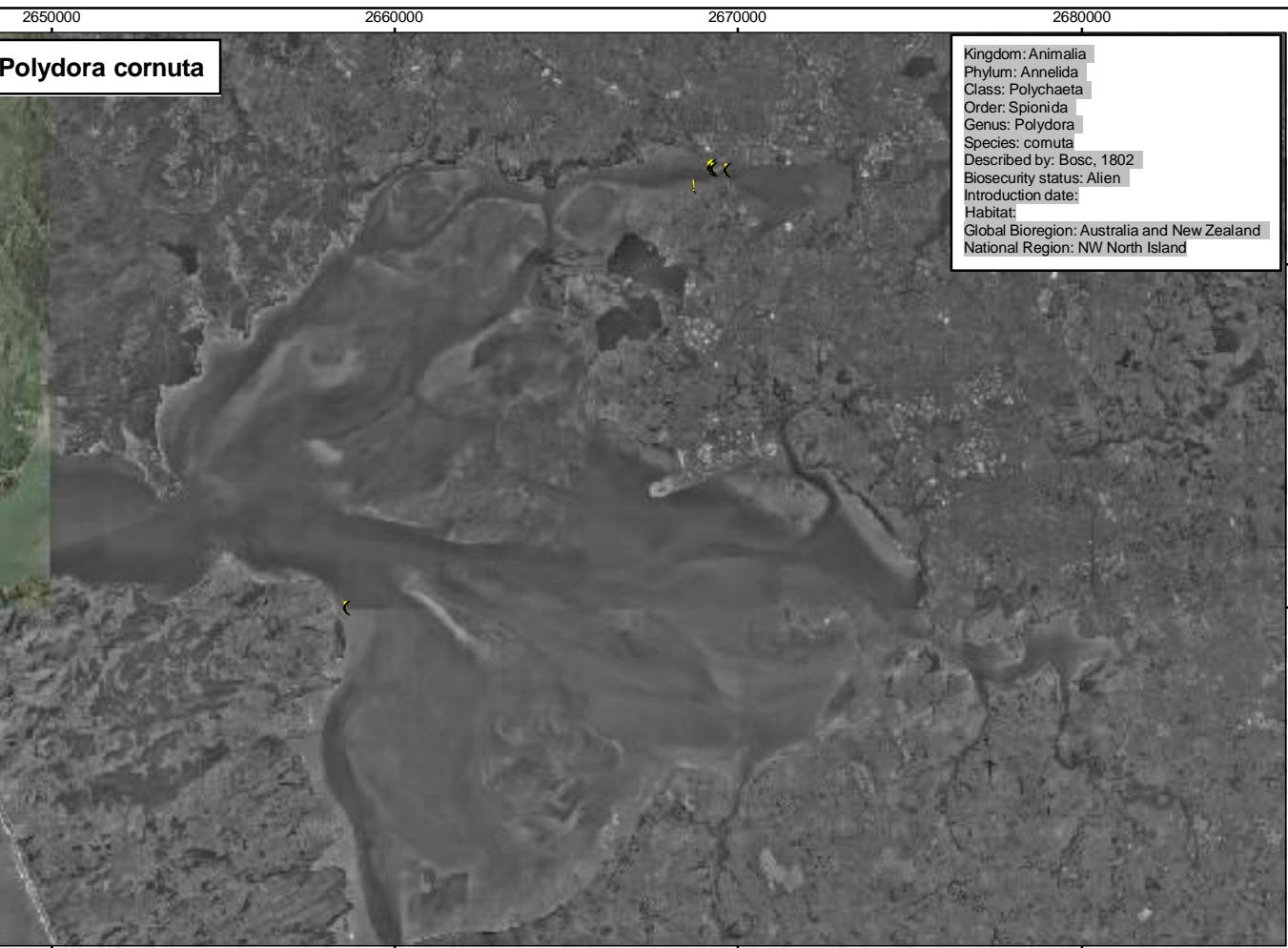


Table C1: Onehunga introduced species survey results - species detected by site.

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK(1)	Cysts	Protozoa						
MNK(10)	Cysts	Protozoa						
MNK(2)	Cysts	Protozoa						
MNK(3)	Cysts	Protozoa						
MNK(4)	Cysts	Protozoa						
MNK(5)	Cysts	Protozoa						
MNK(6)	Protoperidinium sp. 1	Protozoa	Myzozoa	Dinophyceae	Peridinales	Peridiniaceae	Protoperidinium	sp. 1
MNK(7)	Cysts	Protozoa						
MNK(8)	Cysts	Protozoa						
MNK(9)	Cysts	Protozoa						
MNK001	Protoperidinium sp. 1	Protozoa	Myzozoa	Dinophyceae	Peridinales	Peridiniaceae	Protoperidinium	sp. 1
MNK002	Cysts	Protozoa						
MNK003	Cysts	Protozoa						
MNK007	Boccardia syrtis (Rainer, 1973)	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Boccardia	syrtis
MNK007	Cossura consimilis Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK007	Heteromastus filiformis (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK007	Nicon aestuariensis Knox, 1951	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nicon	aestuariensis
MNK007	Perinereis Perinereis-A	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Perinereis	Perinereis-A
MNK007	Austrominius modestus Darwin, 1854	Animalia	Arthropoda	Maxillopoda	Sessilia	Archaeobalanidae	Austrominius	modestus
MNK007	Crustacea	Animalia	Arthropoda					
MNK007	Gastropoda	Animalia	Mollusca	Gastropoda				
MNK007	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK007	Gracilaria sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK008	Cossura consimilis Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK008	Heteromastus filiformis (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK008	Nicon aestuariensis Knox, 1951	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nicon	aestuariensis
MNK008	Nemertea	Animalia	Nemertea					
MNK008	Zooplankton	Animalia						
MNK008	Detritus	Detritus						
MNK009	Polydora cornuta Bosc, 1802	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Polydora	cornuta
MNK009	Scolecolepides benhami Ehlers, 1907	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Scolecolepides	benhami
MNK009	Cossura consimilis Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK009	Heteromastus filiformis (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK009	Nicon aestuariensis Knox, 1951	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nicon	aestuariensis
MNK009	Laticorophium baconi (Shoemaker, 1934)	Animalia	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Laticorophium	baconi
MNK009	Pinnotheres novaezealandiae Filhol, 1885	Animalia	Arthropoda	Malacostraca	Decapoda	Pinnotheridae	Pinnotheres	novaezealandiae
MNK009	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK009	Rhodophylis	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Cystocloniaceae	Rhodophylis	
MNK009	Gracilaria sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK10	Glycera lamelliformis McIntosh, 1885	Animalia	Annelida	Polychaeta	Phyllodocida	Glyceridae	Glycera	lamelliformis
MNK10	Cossura consimilis Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK10	Glycinde trifida (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadidae	Glycinde	trifida
MNK10	Heteromastus filiformis (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK10	Nicon aestuariensis Knox, 1951	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nicon	aestuariensis
MNK10	Paradoneis lyra (Southern, 1914)	Animalia	Annelida	Polychaeta	Orbiniida	Paraonidae	Paradoneis	lyra
MNK10	Scolecolepides benhami Ehlers, 1907	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Scolecolepides	benhami
MNK10	Macrophthalmus hirtipes (Jacquinot, 1853)	Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	Macrophthalmus	hirtipes
MNK10	Torridoharpinia hurleyi (Barnard, 1958)	Animalia	Arthropoda	Malacostraca	Amphipoda	Phoxocephalidae	Torridoharpinia	hurleyi

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK010	Crustacea	Animalia	Arthropoda					
MNK010	Eviota sp.	Animalia	Chordata	Actinopterygii	Perciformes	Gobiidae	Eviota	
MNK010	Austrovenus stutsburyi (Wood, 1828)	Animalia	Mollusca	Bivalvia	Venerida	Veneridae	Austrovenus	stutsburyi
MNK010	Gracilaria sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK011	Cossura consimilis Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK011	Heteromastus filiformis (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK011	Nicon aestuariensis Knox, 1951	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nicon	aestuariensis
MNK011	Polydora cornuta Bosc, 1802	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Polydora	cornuta
MNK011	Caprella equilibra Say, 1818	Animalia	Arthropoda	Malacostraca	Amphipoda	Caprellidae	Caprella	equilibra
MNK011	Macrophthalmus hirtipes (Jacquinot, 1853)	Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	Macrophthalmus	hirtipes
MNK011	Detritus	Detritus						
MNK012	Cossura consimilis Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK012	Glycinde trifida (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadidae	Glycinde	trifida
MNK012	Heteromastus filiformis (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK012	Nicon aestuariensis Knox, 1951	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nicon	aestuariensis
MNK012	Polydora cornuta Bosc, 1802	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Polydora	cornuta
MNK012	Cymbicopia	Animalia	Arthropoda	Ostracoda	Myodocopida	Sarsiellidae	Cymbicopia	
MNK012	Macrophthalmus hirtipes (Jacquinot, 1853)	Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	Macrophthalmus	hirtipes
MNK012	Nucula hartvigiana Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK012	Zooplankton	Animalia						
MNK013	Cysts	Protozoa						
MNK014	Cysts	Protozoa						
MNK015	Protoperidinium sp. 1	Protozoa	Myzozoa	Dinophyceae	Peridinales	Peridiniaceae	Protoperidinium	sp. 1
MNK026	Perinereis Perinereis-A	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Perinereis	Perinereis-A
MNK026	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK026	Onchidella nigricans (Quoy & Gaimard, 1832)	Animalia	Mollusca	Gastropoda	Systellomatophora	Onchidiidae	Onchidella	nigricans
MNK027	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK028	Austrominius modestus Darwin, 1854	Animalia	Arthropoda	Maxillopoda	Sessilia	Archaeobalanidae	Austrominius	modestus
MNK028	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK028	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK028	Onchidella nigricans (Quoy & Gaimard, 1832)	Animalia	Mollusca	Gastropoda	Systellomatophora	Onchidiidae	Onchidella	nigricans
MNK029	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK029	Onchidella nigricans (Quoy & Gaimard, 1832)	Animalia	Mollusca	Gastropoda	Systellomatophora	Onchidiidae	Onchidella	nigricans
MNK030	Nereididae	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae		
MNK030	Austrominius modestus Darwin, 1854	Animalia	Arthropoda	Maxillopoda	Sessilia	Archaeobalanidae	Austrominius	modestus
MNK030	Neohymenicus pubescens (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK030	Onchidella nigricans (Quoy & Gaimard, 1832)	Animalia	Mollusca	Gastropoda	Systellomatophora	Onchidiidae	Onchidella	nigricans
MNK031	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK031	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK031	Onchidella nigricans (Quoy & Gaimard, 1832)	Animalia	Mollusca	Gastropoda	Systellomatophora	Onchidiidae	Onchidella	nigricans
MNK032	Neohymenicus pubescens (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK032	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK032	Modiolus areolatus Gould, 1850	Animalia	Mollusca	Bivalvia	Mytiloida	Mytilidae	Modiolus	areolatus
MNK032	Bivalvia	Animalia	Mollusca	Bivalvia				
MNK032	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK032	Polyplacophora	Animalia	Mollusca	Polyplacophora				
MNK033	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK033	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK034	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK034	Onchidella nigricans (Quoy & Gaimard, 1832)	Animalia	Mollusca	Gastropoda	Systellomatophora	Onchidiidae	Onchidella	nigricans

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK035	Aldrichetta forsteri (Valenciennes 1836)	Animalia	Chordata	Actinopterygii	Mugiliformes	Mugilidae	Aldrichetta	forsteri
MNK037	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK037	Onchidella nigricans (Quoy & Gaimard, 1832)	Animalia	Mollusca	Gastropoda	Systellomato phora	Onchidiidae	Onchidella	nigricans
MNK038	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK038	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK038	Onchidella nigricans (Quoy & Gaimard, 1832)	Animalia	Mollusca	Gastropoda	Systellomato phora	Onchidiidae	Onchidella	nigricans
MNK039	Austrominius modestus Darwin, 1854	Animalia	Arthropoda	Maxillopoda	Sessilia	Archaeobalanidae	Austrominius	modestus
MNK039	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK040	Neohymenicus pubescens (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK040	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK040	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK040	Onchidella nigricans (Quoy & Gaimard, 1832)	Animalia	Mollusca	Gastropoda	Systellomato phora	Onchidiidae	Onchidella	nigricans
MNK041	Sypharochiton pellerserpentis (Quoy & Gaimard, 1835)	Animalia	Mollusca	Polyplacophora	Neoliricata	Chitonidae	Sypharochiton	pellerserpentis
MNK041	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK042	Austrominius modestus Darwin, 1854	Animalia	Arthropoda	Maxillopoda	Sessilia	Archaeobalanidae	Austrominius	modestus
MNK042	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK042	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK042	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK042	Mytilus	Animalia	Mollusca	Bivalvia	Mytiloidea	Mytilidae	Mytilus	
MNK042	Onchidella nigricans (Quoy & Gaimard, 1832)	Animalia	Mollusca	Gastropoda	Systellomato phora	Onchidiidae	Onchidella	nigricans
MNK043	Lepidonotus polychromus Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK043	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK043	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK043	Onchidella nigricans (Quoy & Gaimard, 1832)	Animalia	Mollusca	Gastropoda	Systellomato phora	Onchidiidae	Onchidella	nigricans
MNK044	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK044	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK045	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK045	Microcosmus squamiger Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidiacea	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK045	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK046	Sypharochiton pellerserpentis (Quoy & Gaimard, 1835)	Animalia	Mollusca	Polyplacophora	Neoliricata	Chitonidae	Sypharochiton	pellerserpentis
MNK049	Gymnodinium catenatum Graham 1943	Protozoa	Myzozoa	Dinophyceae	Gymnodiniales	Gymnodiniaceae	Gymnodinium	catenatum
MNK051	Polyplacophora	Animalia	Mollusca	Polyplacophora				
MNK054	Chaetozone chaetozone-1 Undescribed	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae	Chaetozone	chaetozone-1
MNK054	Glycinde trifida (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadidae	Glycinde	trifida
MNK054	Heteromastus filiformis (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK054	Nicon aestuariensis Knox, 1951	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nicon	aestuariensis
MNK054	Scolecolepides benhami Ehlers, 1907	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Scolecolepides	benhami
MNK054	Monocorophium acherusicum (Costa, 1857)	Animalia	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Monocorophium	acherusicum
MNK054	Austrominius modestus Darwin, 1854	Animalia	Arthropoda	Maxillopoda	Sessilia	Archaeobalanidae	Austrominius	modestus
MNK054	Torridoharpinia hurleyi (Barnard, 1958)	Animalia	Arthropoda	Malacostraca	Amphipoda	Phoxocephalidae	Torridoharpinia	hurleyi
MNK054	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK054	Mimetridium cryptum	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK054	Macomona lilliana (Iredale, 1915)	Animalia	Mollusca	Bivalvia	Veneroida	Tellinidae	Macomona	lilliana
MNK054	Gracilaria sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK055	Heteromastus filiformis (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK055	Protocirrineris nuchalis (Ehlers, 1907)	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae	Protocirrineris	nuchalis
MNK055	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK055	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK055	Bivalvia	Animalia	Mollusca	Bivalvia				
MNK055	Detritus	Detritus						

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK056	<i>Proscloplos bondi</i> Kelaher & Rouse, 2003	Animalia	Annelida	Polychaeta	Scolecida	Orbiniiidae	Proscloplos	bondi
MNK056	<i>Heteromastus filiformis</i> (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK056	Nereididae	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae		
MNK056	<i>Protocirrineris nuchalis</i> (Ehlers, 1907)	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae	Protocirrineris	nuchalis
MNK056	Sabellidae	Animalia	Annelida	Polychaeta	Sabellida	Sabellidae		
MNK056	<i>Scoloplos simplex</i> (Hutchings, 1974)	Animalia	Annelida	Polychaeta	Scolecida	Orbiniiidae	Scoloplos	simplex
MNK056	<i>Amphibalanus variegatus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK056	<i>Austrominius modestus</i> Darwin, 1854	Animalia	Arthropoda	Maxillopoda	Sessilia	Archaeobalanidae	Austrominius	modestus
MNK056	<i>Laticorophium baconi</i> (Shoemaker, 1934)	Animalia	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Laticorophium	baconi
MNK056	<i>Macrophthalmus hirtipes</i> (Jacquinot, 1853)	Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	Macrophthalmus	hirtipes
MNK056	<i>Torridoharpinia hurleyi</i> (Barnard, 1958)	Animalia	Arthropoda	Malacostraca	Amphipoda	Phoxocephalidae	Torridoharpinia	hurleyi
MNK056	<i>Pyura</i> sp.	Animalia	Chordata	Asciidiacea	Pleurogona	Pyuridae	Pyura	
MNK056	<i>Aiptasiomorpha cf. minima</i> (Stephenson, 1918)	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae	Aiptasiomorpha	cf. minima
MNK056	<i>Mimetridium cryptum</i>	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK056	<i>Cominella adspersa</i> (Brugière, 1789)	Animalia	Mollusca	Gastropoda	Neogastropoda	Buccinidae	Cominella	adspersa
MNK056	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK056	<i>Solieria alien</i> sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Solariaceae	Solieria	alien sp
MNK056	<i>Gracilaria</i> sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariaeae	Gracilaria	
MNK060	Cysts	Protozoa						
MNK061	Cysts	Protozoa						
MNK062	<i>Protoperidinium</i> sp. 1	Protozoa					Protoperidinium	sp. 1
MNK063	Zooplankton	Animalia						
MNK063	Zooplankton	Animalia						
MNK064	Zooplankton	Animalia						
MNK064	Zooplankton	Animalia						
MNK065	Zooplankton	Animalia						
MNK065	Zooplankton	Animalia						
MNK073	<i>Mimetridium cryptum</i>	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK074	<i>Polychaeta</i>	Animalia	Annelida	Polychaeta				
MNK074	Bryozoa	Animalia	Bryozoa					
MNK074	Actiniaria	Animalia	Cnidaria	Anthozoa	Actiniaria			
MNK075	<i>Demonax aberrans</i> (Augener, 1922)	Animalia	Annelida	Polychaeta	Sabellida	Sabellidae	Demonax	aberrans
MNK075	Cirripedia	Animalia	Arthropoda	Maxillopoda				
MNK075	<i>Neohymenicus pubescens</i> (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK075	<i>Pilumnopeus serratifrons</i> (Kinahan, 1856)	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Pilumnopeus	serratifrons
MNK075	<i>Molgula manhattensis</i> (DeKay, 1843)	Animalia	Chordata	Asciidiacea	Pleurogona	Molgulidae	Molgula	manhattensis
MNK075	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidiacea	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK076	Abarenicola	Animalia	Annelida	Polychaeta	Scolecida	Arenicolidae	Abarenicola	
MNK076	<i>Demonax Demonax-B</i>	Animalia	Annelida	Polychaeta	Sabellida	Sabellidae	Demonax	Demonax-B
MNK076	<i>Polydora cornuta</i> Bosc, 1802	Animalia	Annelida	Polychaeta	Spionidae	Polydora	Polydora	
MNK076	<i>Streblosoma toddae</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddae
MNK076	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK076	Nemertea	Animalia	Nemertea					
MNK077	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidiacea	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK077	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK077	Detritus	Detritus						
MNK078	<i>Polychaeta</i>	Animalia	Annelida	Polychaeta				
MNK078	<i>Amphibalanus variegatus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK078	<i>Pilumnopeus serratifrons</i> (Kinahan, 1856)	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Pilumnopeus	serratifrons
MNK078	<i>Asterocarpa coerulea</i> (Quoy & Gaimard, 1834)	Animalia	Chordata	Asciidiacea	Pleurogona	Styelidae	Asterocarpa	coerulea

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK078	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidae	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK079	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidae	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK080	Demonax Demonax-B	Animalia	Annelida	Polychaeta	Sabellida	Sabellidae	Demonax	Demonax-B
MNK080	<i>Palaemon affinis</i> Milne-Edwards, 1837	Animalia	Arthropoda	Malacostraca	Decapoda	Palaemonidae	Palaemon	affinis
MNK080	<i>Corella eumyota</i> Traustedt, 1882	Animalia	Chordata	Asciidae	Enterogona	Corellidae	Corella	eumyota
MNK080	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidae	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK080	<i>Molgula manhattensis</i> (DeKay, 1843)	Animalia	Chordata	Asciidae	Pleurogona	Molgulidae	Molgula	manhattensis
MNK080	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK082	Protoperidinium sp. 1	Protozoa	Myzozoa	Dinophyceae	Peridinales	Peridiniaceae	Protoperidinium	sp. 1
MNK083	Cysts	Protozoa						
MNK085	Cysts	Protozoa						
MNK088	<i>Boccardia syrtis</i> (Rainer, 1973)	Animalia	Annelida	Polychaeta	Spironida	Spironidae	Boccardia	syrtis
MNK088	Cirratulidae	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae		
MNK088	Aricidea aricidea-B undescribed	Animalia	Annelida	Polychaeta	Orbiniida	Paraonidae	Aricidea	aricidea-B
MNK088	<i>Heteromastus filiformis</i> (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK088	<i>Neanthes aff. succinea</i>	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Neanthes	aff. succinea
MNK089	Nereididae	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae		
MNK089	<i>Cossura consimilis</i> Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK089	<i>Glycinde trifida</i> (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadidae	Glycinde	trifida
MNK089	<i>Heteromastus filiformis</i> (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK089	Magnoliophyta	Plantae	Magnoliophyta					
MNK090	<i>Solieria alien</i> sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Solariaceae	Solieria	alien sp
MNK095	Nereididae	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae		
MNK095	<i>Austrominius modestus</i> Darwin, 1854	Animalia	Arthropoda	Maxillopoda	Sessilia	Archaeobalanidae	Austrominius	modestus
MNK095	<i>Neohymenicus pubescens</i> (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK095	<i>Notomithrax minor</i> (Filhol, 1885)	Animalia	Arthropoda	Malacostraca	Decapoda	Majidae	Notomithrax	minor
MNK095	Mytilus	Animalia	Mollusca	Bivalvia	Mytilidae	Mytilidae	Mytilus	
MNK095	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreida	Ostreidae	Crassostrea	gigas
MNK095	<i>Onchidella nigricans</i> (Quoy & Gaimard, 1832)	Animalia	Mollusca	Gastropoda	Systellomatophora	Onchidiidae	Onchidella	nigricans
MNK096	<i>Pherusa parmata</i> (Grube, 1878)	Animalia	Annelida	Polychaeta	Terebellida	Flabelligeridae	Pherusa	parmata
MNK096	<i>Amphibalanus variegatus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK096	<i>Plagusia chabrus</i> (Linnaeus, 1758)	Animalia	Arthropoda	Malacostraca	Decapoda	Plagusiidae	Plagusia	chabrus
MNK096	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidae	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK096	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreida	Ostreidae	Crassostrea	gigas
MNK096	Mytilus	Animalia	Mollusca	Bivalvia	Mytilidae	Mytilidae	Mytilus	
MNK096	Gracilaria sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK097	<i>Pherusa parmata</i> (Grube, 1878)	Animalia	Annelida	Polychaeta	Terebellida	Flabelligeridae	Pherusa	parmata
MNK097	<i>Neohymenicus pubescens</i> (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK097	<i>Palaemon affinis</i> Milne-Edwards, 1837	Animalia	Arthropoda	Malacostraca	Decapoda	Palaemonidae	Palaemon	affinis
MNK097	<i>Styela plicata</i> (Lesueur, 1823)	Animalia	Chordata	Asciidae	Pleurogona	Styelidae	Styela	plicata
MNK097	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidae	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK097	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreida	Ostreidae	Crassostrea	gigas
MNK098	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidae	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK098	<i>Molgula manhattensis</i> (DeKay, 1843)	Animalia	Chordata	Asciidae	Pleurogona	Molgulidae	Molgula	manhattensis
MNK098	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreida	Ostreidae	Crassostrea	gigas
MNK098	Detritus	Detritus						
MNK099	Demonax Demonax-B	Animalia	Annelida	Polychaeta	Sabellida	Sabellidae	Demonax	Demonax-B
MNK099	<i>Lepidastheniella comma</i> (Thomson, 1902)	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidastheniella	comma
MNK099	<i>Lepidonotus polychromus</i> Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK099	<i>Streblosoma toddae</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddae

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK099	Cirripedia	Animalia	Arthropoda	Maxillopoda				
MNK099	<i>Neohymenicus pubescens</i> (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK099	<i>Molgula mortensenii</i> (Michaelsen, 1922)	Animalia	Chordata	Asciidiacea	Pleurogona	Molgulidae	Molgula	mortensenii
MNK099	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidiacea	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK099	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK099	Nemertea	Animalia	Nemertea					
MNK099	Detritus	Detritus						
MNK100	<i>Dipolydora dorsomaculata</i> (Rainer, 1973)	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Dipolydora	dorsomaculata
MNK100	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidiacea	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK100	<i>Styela plicata</i> (Lesueur, 1823)	Animalia	Chordata	Asciidiacea	Pleurogona	Styelidae	Styela	plicata
MNK100	Hydrozoa	Animalia	Cnidaria	Hydrozoa				
MNK100	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK101	Polychaeta	Animalia	Annelida	Polychaeta				
MNK101	<i>Amphibalanus variegatus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK101	<i>Pilumnopaeus serratifrons</i> (Kinahan, 1856)	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Pilumnopaeus	serratifrons
MNK101	<i>Corella eumyota</i> Traustedt, 1882	Animalia	Chordata	Asciidiacea	Enterogona	Corellidae	Corella	eumyota
MNK101	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidiacea	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK101	Bivalvia	Animalia	Mollusca	Bivalvia				
MNK101	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK102	<i>Lepidonotus polychromus</i> Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK102	<i>Lepidonotus polychromus</i> Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK102	Bryozoa	Animalia	Bryozoa					
MNK102	<i>Corella eumyota</i> Traustedt, 1882	Animalia	Chordata	Asciidiacea	Enterogona	Corellidae	Corella	eumyota
MNK102	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidiacea	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK102	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK104	Cysts	Protozoa						
MNK105	Cysts	Protozoa						
MNK106	<i>Protoperidinium</i> sp. 1	Protozoa	Myzozoa	Dinophyceae	Peridinales	Peridiniaceae	Protoperidinium	sp. 1
MNK110	<i>Capitella capitata</i> (Fabricius, 1780)	Animalia	Annelida	Polychaeta	Scolécida	Capitellidae	Capitella	capitata
MNK110	<i>Cossura consimilis</i> Read, 2000	Animalia	Annelida	Polychaeta	Scolécida	Cossuridae	Cossura	consimilis
MNK110	<i>Heteromastus filiformis</i> (Claparedes, 1864)	Animalia	Annelida	Polychaeta	Scolécida	Capitellidae	Heteromastus	filiformis
MNK110	<i>Nicon aestuariensis</i> Knox, 1951	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nicon	aestuariensis
MNK110	Detritus	Detritus						
MNK111	<i>Aricidea aricidea-B</i> undescribed	Animalia	Annelida	Polychaeta	Orbiniida	Paraonidae	Aricidea	aricidea-B
MNK111	<i>Glycinde trifida</i> (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadidae	Glycinde	trifida
MNK111	<i>Nicon aestuariensis</i> Knox, 1951	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nicon	aestuariensis
MNK111	Cirratulidae	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae		
MNK111	<i>Cossura consimilis</i> Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK111	<i>Heteromastus filiformis</i> (Claparedes, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK111	<i>Amphibalanus variegatus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK111	<i>Torridoharpinia hurleyi</i> (Barnard, 1958)	Animalia	Arthropoda	Malacostraca	Amphipoda	Phoxocephalidae	Torridoharpinia	hurleyi
MNK111	<i>Cominella adspersa</i> (Brugière, 1789)	Animalia	Mollusca	Gastropoda	Neogastropoda	Buccinidae	Cominella	adspersa
MNK111	<i>Nucula hartvigiana</i> Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK111	Gracilaria sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK112	<i>Scoloplos cylindrifer</i> Ehlers, 1904	Animalia	Annelida	Polychaeta	Scolecida	Orbiniidae	Scoloplos	cylindrifer
MNK112	<i>Cossura consimilis</i> Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK112	<i>Heteromastus filiformis</i> (Claparedes, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK112	<i>Lepidonotus polychromus</i> Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK112	<i>Paradoneis lyra</i> (Southern, 1914)	Animalia	Annelida	Polychaeta	Orbiniida	Paraonidae	Paradoneis	lyra
MNK112	<i>Prionospio aucklandica</i> Augener, 1923	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Prionospio	aucklandica

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK112	<i>Protocirrineris nuchalis</i> (Ehlers, 1907)	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae	Protocirrineris	nuchalis
MNK112	<i>Schistomeringos loveni</i> (Kinberg, 1865)	Animalia	Annelida	Polychaeta	Eunicida	Dorvilleidae	Schistomeringos	loveni
MNK112	<i>Streblosoma toddae</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddæ
MNK112	<i>Macrophthalmus hirtipes</i> (Jacquinot, 1853)	Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	Macrophthalmus	hirtipes
MNK112	<i>Torridoharpinia hurleyi</i> (Barnard, 1958)	Animalia	Arthropoda	Malacostraca	Amphipoda	Phoxocephalidae	Torridoharpinia	hurleyi
MNK112	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK112	Gracilaria sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK117	<i>Lepidonotus polychromus</i> Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK117	<i>Amphibalanus variegatus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK117	<i>Monocorophium acherusicum</i> (Costa, 1857)	Animalia	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Monocorophium	acherusicum
MNK117	Mimetridium cryptum	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK118	<i>Lepidonotus polychromus</i> Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK118	<i>Neanthes kerguelensis</i> (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Neanthes	kerguelensis
MNK118	<i>Amphibalanus variegatus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK118	<i>Neohymenicus pubescens</i> (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK118	<i>Palaemon affinis</i> Milne-Edwards, 1837	Animalia	Arthropoda	Malacostraca	Decapoda	Palaemonidae	Palaemon	affinis
MNK118	Asciidiacea	Animalia	Chordata	Asciidiacea				
MNK119	<i>Amphibalanus variegatus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK119	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidiacea	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK119	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK119	<i>Nucula hartvigiana</i> Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculida	Nuculidae	Nucula	hartvigiana
MNK120	<i>Lepidonotus polychromus</i> Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK120	<i>Streblosoma toddae</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddæ
MNK120	<i>Amphibalanus variegatus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK120	Asciidiacea	Animalia	Chordata	Asciidiacea				
MNK120	<i>Aiptasiomorpha cf. minima</i> (Stephenson, 1918)	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae	Aiptasiomorpha	cf. minima
MNK120	<i>Perna canaliculus</i> (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytilida	Mytilidae	Perna	canaliculus
MNK121	<i>Lepidonotus polychromus</i> Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK121	<i>Streblosoma toddae</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddæ
MNK121	<i>Parawaldeckia vesca</i> Lowry & Stoddard, 1983	Animalia	Arthropoda	Malacostraca	Amphipoda	Melitidae	Parawaldeckia	vesca
MNK121	<i>Amphibalanus variegatus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK121	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidiacea	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK121	<i>Molgula manhattensis</i> (DeKay, 1843)	Animalia	Chordata	Asciidiacea	Pleurogona	Molgulidae	Molgula	manhattensis
MNK121	Actiniaria	Animalia	Cnidaria	Anthozoa	Actiniaria			
MNK121	Algae	Algae						
MNK122	<i>Streblosoma toddae</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddæ
MNK122	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidiacea	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK122	Hydrozoa	Animalia	Cnidaria	Hydrozoa				
MNK123	Hydrozoa	Animalia	Cnidaria	Hydrozoa				
MNK124	<i>Amphibalanus variegatus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK124	<i>Palaemon affinis</i> Milne-Edwards, 1837	Animalia	Arthropoda	Malacostraca	Decapoda	Palaemonidae	Palaemon	affinis
MNK126	Cysts	Protozoa						
MNK127	Cysts	Protozoa						
MNK128	Protoperidinium sp. 3	Protozoa	Myzozoa	Dinophyceae	Peridinales	Peridiniaceae	Protoperidinium	sp3
MNK132	<i>Armandia maculata</i> (Webster, 1884)	Animalia	Annelida	Polychaeta	Scolecida	Opheliidae	Armandia	maculata
MNK132	<i>Boccardia syrtis</i> (Rainer, 1973)	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Boccardia	syrtis
MNK132	<i>Cossura consimilis</i> Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK132	<i>Glycinde trifida</i> (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadiidae	Glycinde	trifida
MNK132	<i>Heteromastus filiformis</i> (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK132	<i>Nicon aestuariensis</i> Knox, 1951	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nicon	aestuariensis

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK132	Torridoharpinia hurleyi (Barnard, 1958)	Animalia	Arthropoda	Malacostraca	Amphipoda	Phoxocephalidae	Torridoharpinia	hurleyi
MNK133	Cirratulidae	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae		
MNK133	Heteromastus filiformis (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK133	Nicon aestuariensis Knox, 1951	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nicon	aestuariensis
MNK133	Polydora cornuta Bosc, 1802	Animalia	Annelida	Polychaeta	Spionida	Polydoridae	Polydora	cornuta
MNK133	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK133	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK133	Detritus	Detritus						
MNK134	Cossura consimilis Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK134	Glycinde trifida (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadidae	Glycinde	trifida
MNK134	Heteromastus filiformis (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK134	Lepidonotus polychromus Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK134	Streblosoma toddae Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddae
MNK134	Pilumnopeus serratifrons (Kinahan, 1856)	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Pilumnopeus	serratifrons
MNK134	Periclimenes yaldwyni Holthuis, 1959	Animalia	Arthropoda	Malacostraca	Decapoda	Palaemonidae	Periclimenes	yaldwyni
MNK134	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK134	Torridoharpinia hurleyi (Barnard, 1958)	Animalia	Arthropoda	Malacostraca	Amphipoda	Phoxocephalidae	Torridoharpinia	hurleyi
MNK134	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK134	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreida	Ostreidae	Crassostrea	gigas
MNK134	Detritus	Detritus						
MNK138	Coscinodiscus wailesii Gran & Angst, 1931	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Coscinodiscaceae	Coscinodiscus	wailesii
MNK138	Ditylum brightwelli (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK138	Gyrosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK138	Nitzschia sp.	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	
MNK138	Odontella sinensis (Greville) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Odontella	sinensis
MNK138	Pleurosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK138	Pseudonitzschia australis Frenguelli, 1939	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Pseudonitzschia	australis
MNK138	Skeletonema costatum (Greville) Cleve 1873	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosiraes	Skeletonemaceae	Skeletonema	costatum
MNK138	Thalassionema sp.	Chromista	Bacillariophyta	Fragilariophyceae	Thalassionemales	Thalassionemataceae	Thalassionema	
MNK138	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosiraes	Thalassiosiraceae	Thalassiosira	
MNK138	Thalassiosira rotula Meunier 1915	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosiraes	Thalassiosiraceae	Thalassiosira	rotula
MNK139	Bacillaria paxillifer (Mueller) Hendey, 1951	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Bacillaria	paxillifer
MNK139	Chaetoceros affine Lauder 1864	Chromista	Bacillariophyta	Coscinodiscophyceae	Chaetoceratales	Chaetocerotaceae	Chaetoceros	affine
MNK139	Melosira sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosiraes	Melosiraceae	Melosira	
MNK139	Rhizosolenia setigera Brightwell 1858	Chromista	Bacillariophyta	Coscinodiscophyceae	Rhizosoleniales	Rhizosoleniaceae	Rhizosolenia	setigera
MNK139	Ditylum brightwelli (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK139	Gyrosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK139	Nitzschia sp.	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	
MNK139	Pleurosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK139	Skeletonema costatum (Greville) Cleve 1873	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosiraes	Skeletonemaceae	Skeletonema	costatum
MNK139	Thalassionema sp.	Chromista	Bacillariophyta	Fragilariophyceae	Thalassionemales	Thalassionemataceae	Thalassionema	
MNK139	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosiraes	Thalassiosiraceae	Thalassiosira	
MNK139	Unidentifiable	Unidentifiable						
MNK140	Actinptychus senarius (Ehrenberg) Ehrenberg 1843	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Heliopeltaceae	Actinptychus	senarius
MNK140	Lithodesmium undulatum Ehrenberg 1839	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Lithodesmium	undulatum
MNK140	Gyrosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK140	Odontella sinensis (Greville) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Odontella	sinensis
MNK140	Pleurosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK140	Pseudonitzschia australis Frenguelli, 1939	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Pseudonitzschia	australis
MNK140	Skeletonema costatum (Greville) Cleve 1873	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosiraes	Skeletonemaceae	Skeletonema	costatum

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK140	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	
MNK140	Thalassiosira rotula Meunier 1915	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	rotula
MNK141	Zooplankton	Animalia						
MNK142	Zooplankton	Animalia						
MNK143	Zooplankton	Animalia						
MNK145	Polychaeta	Animalia	Annelida	Polychaeta				
MNK145	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK145	Austrominius modestus Darwin, 1854	Animalia	Arthropoda	Maxillopoda	Sessilia	Archaeobalanidae	Austrominius	modestus
MNK145	Neohymenicus pubescens (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK145	Parawaldeckia vesca Lowry & Stoddard, 1983	Animalia	Arthropoda	Malacostraca	Amphipoda	Melitidae	Parawaldeckia	vesca
MNK145	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK145	Bivalvia	Animalia	Mollusca	Bivalvia				
MNK145	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreida	Ostreidae	Crassostrea	gigas
MNK145	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreida	Ostreidae	Crassostrea	gigas
MNK145	Mytilus	Animalia	Mollusca	Bivalvia	Mytilioida	Mytilidae	Mytilus	
MNK145	Onchidella nigricans (Quoy & Gaimard, 1832)	Animalia	Mollusca	Gastropoda	Systellommatophora	Onchidiidae	Onchidella	nigricans
MNK145	Unidentifiable	Unidentifiable						
MNK148	Nereididae	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae		
MNK148	Austrominius modestus Darwin, 1854	Animalia	Arthropoda	Maxillopoda	Sessilia	Archaeobalanidae	Austrominius	modestus
MNK148	Onchidella nigricans (Quoy & Gaimard, 1832)	Animalia	Mollusca	Gastropoda	Systellommatophora	Onchidiidae	Onchidella	nigricans
MNK148	Cysts	Protozoa						
MNK148	Unidentifiable	Unidentifiable						
MNK151	Austrominius modestus Darwin, 1854	Animalia	Arthropoda	Maxillopoda	Sessilia	Archaeobalanidae	Austrominius	modestus
MNK151	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreida	Ostreidae	Crassostrea	gigas
MNK151	Onchidella nigricans (Quoy & Gaimard, 1832)	Animalia	Mollusca	Gastropoda	Systellommatophora	Onchidiidae	Onchidella	nigricans
MNK151	Sypharochiton pellerserpentis (Quoy & Gaimard, 1835)	Animalia	Mollusca	Polyplacophora	Neoloricata	Chitonidae	Sypharochiton	pellerserpentis
MNK158	Zooplankton	Animalia						
MNK166	Chaetoceros	Chromista	Bacillariophyta	Coscinodiscophyceae	Chaetoceratales	Chaetocerataceae	Chaetoceros	
MNK166	Melosira moniliformis (O.F. Møller) C. Agardh 1824	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	moniliformis
MNK166	Bacillaria paxillifer (Muuler) Hendey, 1951	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Bacillaria	paxillifer
MNK166	Coscinodiscus wailesii Gran & Angst, 1931	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Coscinodiscaceae	Coscinodiscus	wailesii
MNK166	Gyrosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK166	Melosira sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	
MNK166	Nitzschia sp.	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	
MNK166	Pleurosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK166	Rhizosolenia setigera Brightwell 1858	Chromista	Bacillariophyta	Coscinodiscophyceae	Rhizosoleniales	Rhizosoleniaceae	Rhizosolenia	
MNK166	Skeletonema costatum (Greville) Cleve 1873	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Skeletonemaceae	Skeletonema	costatum
MNK166	Thalassionema sp.	Chromista	Bacillariophyta	Fragilariphycaceae	Thalassionemales	Thalassionemataceae	Thalassionema	
MNK166	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	
MNK167	Triceratium favus Ehrenberg 1839	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Triceratium	favus
MNK167	Actinopychus senarius (Ehrenberg) Ehrenberg 1843	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Heliopeلتaceae	Actinopychus	senarius
MNK167	Bacillaria paxillifer (Muuler) Hendey, 1951	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Bacillaria	paxillifer
MNK167	Coscinodiscus wailesii Gran & Angst, 1931	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Coscinodiscaceae	Coscinodiscus	wailesii
MNK167	Ditylum brightwelli (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK167	Gyrosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK167	Lithodesmium undulatum Ehrenberg 1839	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Lithodesmium	undulatum
MNK167	Melosira sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	
MNK167	Nitzschia sp.	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	
MNK167	Odontella sinensis (Greville) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Odontella	sinensis
MNK167	Pleurosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK167	<i>Skeletonema costatum</i> (Greville) Cleve 1873	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Skeletonemaceae	Skeletonema	costatum
MNK167	<i>Thalassiosira</i>	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	
MNK167	<i>Thalassiosira rotula</i> Meunier 1915	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	rotula
MNK168	<i>Detonula</i> sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Skeletonemaceae	Detonula	
MNK168	<i>Chaetoceros</i>	Chromista	Bacillariophyta	Coscinodiscophyceae	Chaetoceratales	Chaetocerotaceae	Chaetoceros	
MNK168	<i>Ditylum brightwelli</i> (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK168	<i>Melosira</i> sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosira	Melosiraceae	Melosira	
MNK168	<i>Odontella sinensis</i> (Greville) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Odontella	sinensis
MNK168	<i>Pleurosigma</i> sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK168	<i>Pseudonitzschia australis</i> Frenguelli, 1939	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Pseudonitzschia	australis
MNK168	<i>Skeletonema costatum</i> (Greville) Cleve 1873	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Skeletonemaceae	Skeletonema	
MNK168	<i>Thalassiosira</i>	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	
MNK168	<i>Thalassiosira rotula</i> Meunier 1915	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	rotula
MNK168	<i>Triceratium favus</i> Ehrenberg 1839	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Triceratium	favus
MNK169	Zooplankton	Animalia						
MNK170	Zooplankton	Animalia						
MNK171	Zooplankton	Animalia						
MNK172	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Ascidiae	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK172	<i>Molgula manhattensis</i> (DeKay, 1843)	Animalia	Chordata	Ascidiae	Pleurogona	Molgulidae	Molgula	manhattensis
MNK172	Actiniaria	Animalia	Cnidaria	Anthozoa	Actiniaria			
MNK172	<i>Leuconopsis obsoleta</i> (Hutton, 1878)	Animalia	Mollusca	Gastropoda	Basommatophora	Elobiidae	Leuconopsis	obsoleta
MNK172	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK172	<i>Onchidella nigricans</i> (Quoy & Gaimard, 1832)	Animalia	Mollusca	Gastropoda	Systellomatophora	Onchidiidae	Onchidella	nigricans
MNK174	Cysts	Protozoa						
MNK175	Cysts	Protozoa						
MNK176	<i>Protoperdinium</i> sp. 1	Protozoa	Myzozoa	Dinophyceae	Peridinales	Peridiniaceae	Protoperdinium	sp. 1
MNK177	<i>Cossura consimilis</i> Read, 2000	Animalia	Annelida	Polychaeta	Scolecionida	Cossuridae	Cossura	consimilis
MNK177	<i>Heteromastus filiformis</i> (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecionida	Capitellidae	Heteromastus	filiformis
MNK177	<i>Nicon aestuariensis</i> Knox, 1951	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nicon	aestuariensis
MNK177	<i>Polydora cornuta</i> Bosc, 1802	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Polydora	
MNK177	<i>Austrovenus stutchburyi</i> (Wood, 1828)	Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	Austrovenus	
MNK177	<i>Gracilaria</i> sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK178	<i>Perinereis vallata</i> (Grube, 1858)	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Perinereis	vallata
MNK178	<i>Heteromastus filiformis</i> (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecionida	Capitellidae	Heteromastus	filiformis
MNK178	<i>Nicon aestuariensis</i> Knox, 1951	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nicon	aestuariensis
MNK178	<i>Prionospio aucklandica</i> Augener, 1923	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Prionospio	aucklandica
MNK178	Crustacea	Animalia	Arthropoda					
MNK178	<i>Macrophthalmus hirtipes</i> (Jacquinot, 1853)	Animalia	Arthropoda	Malacostraca	Decapoda	Oycopidae	Macrophthalmus	hirtipes
MNK178	<i>Pilumnopaeus serratifrons</i> (Kinahan, 1856)	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Pilumnopaeus	serratifrons
MNK178	<i>Austrovenus stutchburyi</i> (Wood, 1828)	Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	Austrovenus	stutchburyi
MNK178	<i>Nucula hartvigiana</i> Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK178	<i>Gracilaria</i> sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK180	<i>Thalassionema nitzschiooides</i> (Grunow) Mereschkowsky 1902	Chromista	Bacillariophyta	Fragilariphycaceae	Thalassionemales	Thalassionemataceae	Thalassionema	nitzschiooides
MNK180	<i>Bacillaria paxillifer</i> (Muuler) Hendey, 1951	Chromista	Bacillariophyta	Bacillariophycaceae	Bacillariales	Bacillariaceae	Bacillaria	paxillifer
MNK180	<i>Gyrosigma</i> sp.	Chromista	Bacillariophyta	Bacillariophycaceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK180	<i>Pleurosigma</i> sp.	Chromista	Bacillariophyta	Bacillariophycaceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK180	<i>Skeletonema costatum</i> (Greville) Cleve 1873	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Skeletonemaceae	Skeletonema	
MNK180	Thalassionema sp.	Chromista	Bacillariophyta	Fragilariphycaceae	Thalassionemales	Thalassionemataceae	Thalassionema	costatum
MNK180	<i>Thalassiosira</i>	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	
MNK180	<i>Thalassiosira rotula</i> Meunier 1915	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	rotula

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK181	Chaetoceros	Chromista	Bacillariophyta	Coscinodiscophyceae	Chaetoceratales	Chaetocerotaceae	Chaetoceros	
MNK181	Ditylum brightwelli (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK181	Gyrosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK181	Nitzschia sp.	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	
MNK181	Odontella sinensis (Greville) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Odontella	sinensis
MNK181	Pleurosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK181	Skeletonema costatum (Greville) Cleve 1873	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Skeletonemaceae	Skeletonema	costatum
MNK181	Thalassiosira rotula Meunier 1915	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	rotula
MNK181	Thalassiosira rotula Meunier 1915	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	rotula
MNK182	Chaetoceros decipiens Cleve 1873	Chromista	Bacillariophyta	Coscinodiscophyceae	Chaetoceratales	Chaetocerotaceae	Chaetoceros	decipiens
MNK182	Chaetoceros	Chromista	Bacillariophyta	Coscinodiscophyceae	Chaetoceratales	Chaetocerotaceae	Chaetoceros	
MNK182	Coscinodiscus wailesii Gran & Angst, 1931	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Coscinodiscaceae	Coscinodiscus	wailesii
MNK182	Ditylum brightwelli (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK182	Gyrosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK182	Nitzschia sp.	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	
MNK182	Pleurosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK182	Skeletonema costatum (Greville) Cleve 1873	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Skeletonemaceae	Skeletonema	costatum
MNK182	Thalassionema sp.	Chromista	Bacillariophyta	Fragilariphycaceae	Thalassionematales	Thalassionemataceae	Thalassionema	
MNK182	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	
MNK182	Thalassiosira rotula Meunier 1915	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	rotula
MNK183	Zooplankton	Animalia						
MNK184	Zooplankton	Animalia						
MNK186	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK186	Unidentifiable	Animalia						
MNK188	Polychaeta	Animalia	Annelida	Polychaeta				
MNK188	Austrominius modestus Darwin, 1854	Animalia	Arthropoda	Maxillopoda	Sessilia	Archaeobalanidae	Austrominius	modestus
MNK188	Hemigrapsus crenulatus (Milne Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Varunidae	Hemigrapsus	crenulatus
MNK188	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK188	Melagraphia aethiops (Gmelin, 1791)	Animalia	Mollusca	Gastropoda	Vetigastropoda	Trochidae	Melagraphia	aethiops
MNK189	Cysts	Protozoa						
MNK190	Cysts	Protozoa						
MNK191	Cysts	Protozoa						
MNK192	Heteromastus filiformis (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolida	Capitellidae	Heteromastus	filiformis
MNK192	Ampichtesis amphictesis-A undescribed	Animalia	Annelida	Polychaeta	Terebellida	Ampharetidae	Ampichtesis	amphictesis-A
MNK192	Aricidea aricidea-B undescribed	Animalia	Annelida	Polychaeta	Orbiniida	Paraonidae	Aricidea	aricidea-B
MNK192	Armandia maculata (Webster, 1884)	Animalia	Annelida	Polychaeta	Scolecida	Opheliidae	Armandia	maculata
MNK192	Boccardia syrtis (Rainer, 1973)	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Boccardia	syrtis
MNK192	Cossura consimilis Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK192	Glycinde trifida (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadiidae	Glycinde	trifida
MNK192	Lepidonotus polychromus Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK192	Magelona dakini Jones, 1978	Animalia	Annelida	Polychaeta	Spionida	Magelonidae	Magelona	dakini
MNK192	Owenia petersenae Koh & Braud, 2003	Animalia	Annelida	Polychaeta	Sabellida	Oweniidae	Owenia	petersenae
MNK192	Pectinaria australis Ehlers, 1904	Animalia	Annelida	Polychaeta	Terebellida	Pectinariidae	Pectinaria	australis
MNK192	Streblosoma toddae Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddae
MNK192	Halicarcinus varius (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Halicarcinus	varius
MNK192	Torridoharpinia hurleyi (Barnard, 1958)	Animalia	Arthropoda	Malacostraca	Amphipoda	Phoxocephalidae	Torridoharpinia	hurleyi
MNK192	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK192	Cominella adspersa (Brugière, 1789)	Animalia	Mollusca	Gastropoda	Neogastropoda	Buccinidae	Cominella	adspersa
MNK192	Pecten novaezelandiae Reeve, 1853	Animalia	Mollusca	Bivalvia	Ostreoida	Pectinidae	Pecten	novaezelandiae
MNK192	Gracilaria sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK193	<i>Boccardia syrtis</i> (Rainer, 1973)	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Boccardia	syrtis
MNK193	<i>Cossura consimilis</i> Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK193	<i>Glycera lamelliformis</i> McIntosh, 1885	Animalia	Annelida	Polychaeta	Phylodocida	Glyceridae	Glycera	lamelliformis
MNK193	<i>Heteromastus filiformis</i> (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK193	<i>Magelona dakini</i> Jones, 1978	Animalia	Annelida	Polychaeta	Spionida	Magelonidae	Magelona	dakini
MNK193	<i>Streblosoma toddae</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddæ
MNK193	<i>Macrophthalmus hirtipes</i> (Jacquinot, 1853)	Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	Macrophthalmus	hirtipes
MNK193	<i>Mimetridium cryptum</i>	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK193	<i>Nucula hartvigiana</i> Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoidea	Nuculidae	Nucula	hartvigiana
MNK193	<i>Gracilaria</i> sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK194	Aricidea aricidea-B undescribed	Animalia	Annelida	Polychaeta	Orbiniida	Paraonidae	Aricidea	aricidea-B
MNK194	<i>Boccardia syrtis</i> (Rainer, 1973)	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Boccardia	syrtis
MNK194	<i>Cossura consimilis</i> Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK194	<i>Glycera lamelliformis</i> McIntosh, 1885	Animalia	Annelida	Polychaeta	Phylodocida	Glyceridae	Glycera	lamelliformis
MNK194	<i>Glycinde trifida</i> (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phylodocida	Goniadiidae	Glycinde	trifida
MNK194	<i>Heteromastus filiformis</i> (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK194	<i>Magelona dakini</i> Jones, 1978	Animalia	Annelida	Polychaeta	Spionida	Magelonidae	Magelona	dakini
MNK194	<i>Owenia petersenae</i> Koh & Bhaud, 2003	Animalia	Annelida	Polychaeta	Sabellida	Oweniidae	Owenia	petersenae
MNK194	<i>Pectinaria australis</i> Ehlers, 1904	Animalia	Annelida	Polychaeta	Terebellida	Pectinariidae	Pectinaria	australis
MNK194	<i>Paradexamine</i> sp.	Animalia	Arthropoda	Malacostraca	Amphipoda	Dexaminidae	Paradexamine	
MNK194	<i>Nucula hartvigiana</i> Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoidea	Nuculidae	Nucula	hartvigiana
MNK194	<i>Gracilaria</i> sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK195	<i>Coscinodiscus</i>	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodisciales	Coscinodiscaceae	Coscinodiscus	
MNK195	<i>Meuniera membranacea</i> (Cleve) P.C. Silva	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Naviculaceae	Meuniera	membranacea
MNK195	<i>Pseudonitzschia</i>	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Pseudonitzschia	
MNK195	<i>Rhizosolenia imbricata</i> Brightwell 1858	Chromista	Bacillariophyta	Coscinodiscophyceae	Rhizosoleniales	Rhizosoleniaceae	Rhizosolenia	imbricata
MNK195	<i>Thalassiosira hyalina</i> (Grunow) Gran 1897	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosiraes	Thalassiosiraceae	Thalassiosira	hyalina
MNK195	<i>Gyrosigma</i> sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK195	<i>Odontella sinensis</i> (Greville) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Odontella	sinensis
MNK195	<i>Pleurosigma</i> sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK195	<i>Thalassiosira</i>	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosiraes	Thalassiosiraceae	Thalassiosira	
MNK196	<i>Cylindrotheca cloisterium</i> (Ehrenberg) Reimann & Lewin 1960	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Cylindrotheca	cloisterium
MNK196	<i>Stephanopyxis orbicularis</i> Wood <i>et al.</i> 1959	Chromista	Bacillariophyta	Bacillariophyceae	Melosirales	Stephanopyxidaceae	Stephanopyxis	orbicularis
MNK196	<i>Thalassiosira decipiens</i> (Grunow) E.G. Jørgensen	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosiraes	Thalassiosiraceae	Thalassiosira	decipiens
MNK196	<i>Actinoptychus senarius</i> (Ehrenberg) Ehrenberg 1843	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosiraes	Heliopeltaceae	Actinoptychus	senarius
MNK196	<i>Chaetoceros decipiens</i> Cleve 1873	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosiraes	Chaetocerotaceae	Chaetoceros	decipiens
MNK196	<i>Coscinodiscus wailesii</i> Gran & Angst, 1931	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosiraes	Coscinodiscaceae	Coscinodiscus	wailesii
MNK196	<i>Ditylum brightwelli</i> (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK196	<i>Gyrosigma</i> sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK196	<i>Lithodesmium undulatum</i> Ehrenberg 1839	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Lithodesmium	undulatum
MNK196	<i>Melosira</i> sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	
MNK196	<i>Melosira moniliformis</i> (O.F. Møller) C. Agardh 1824	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	moniliformis
MNK196	<i>Odontella sinensis</i> (Greville) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Odontella	sinensis
MNK196	<i>Pleurosigma</i> sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK196	<i>Thalassiosira</i>	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosiraes	Thalassiosiraceae	Thalassiosira	
MNK196	<i>Thalassiosira</i>	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosiraes	Thalassiosiraceae	Thalassiosira	
MNK197	<i>Coscinodiscus wailesii</i> Gran & Angst, 1931	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Coscinodiscaceae	Coscinodiscus	wailesii
MNK197	<i>Gyrosigma</i> sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK197	<i>Odontella sinensis</i> (Greville) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Odontella	sinensis
MNK197	<i>Pleurosigma</i> sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK197	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	
MNK197	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	
MNK197	Thalassiosira hyalina (Grunow) Gran 1897	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	hyalina
MNK198	Zooplankton	Animalia						
MNK199	Zooplankton	Animalia						
MNK200	Zooplankton	Animalia						
MNK201	Lepidonotus polychromus Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK201	Jassa slatteryi Conlan, 1990	Animalia	Arthropoda	Malacostraca	Amphipoda	Ischyroceridae	Jassa	slatteryi
MNK201	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK201	Caprella equilibra Say, 1818	Animalia	Arthropoda	Malacostraca	Amphipoda	Caprellidae	Caprella	equilibra
MNK201	Monocorophium acherusicum (Costa, 1857)	Animalia	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Monocorophium	acherusicum
MNK201	Neohyemenicus pubescens (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohyemenicus	pubescens
MNK201	Notomithrax minor (Filhol, 1885)	Animalia	Arthropoda	Malacostraca	Decapoda	Majidae	Notomithrax	minor
MNK201	Pilumnopeus serratifrons (Kinahan, 1856)	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Pilumnopeus	serratifrons
MNK201	Microcosmus squamiger Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidae	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK201	Perna canaliculus (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloida	Mytilidae	Perna	canaliculus
MNK205	Cysts	Protozoa						
MNK206	Cysts	Protozoa						
MNK207	Cysts	Protozoa						
MNK208	Cirripedia	Animalia	Arthropoda	Maxillopoda				
MNK208	Crustacea	Animalia	Arthropoda					
MNK208	Amathia distans Busk, 1866	Animalia	Bryozoa	Gymnolaemata	Ctenosomata	Vesiculariidae	Amathia	distans
MNK208	Austrovenus stutchburyi (Wood, 1828)	Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	Austrovenus	stutchburyi
MNK208	Cominella adspersa (Brugière, 1789)	Animalia	Mollusca	Gastropoda	Neogastropoda	Buccinidae	Cominella	adspersa
MNK208	Macomona liliiana (Iredale, 1915)	Animalia	Mollusca	Bivalvia	Veneroida	Tellinidae	Macomona	liliiana
MNK208	Nucula hartvigiana Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK208	Gracilaria sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK209	Carazzziella philippensis Blake & Kudenov, 1978	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Carazzziella	philippensis
MNK209	Aricidea aricidea-B undescribed	Animalia	Annelida	Polychaeta	Orbiniida	Paraonidae	Aricidea	aricidea-B
MNK209	Armandia maculata (Webster, 1884)	Animalia	Annelida	Polychaeta	Scolecida	Opheliidae	Armandia	maculata
MNK209	Cossura consimilis Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK209	Glycinde trifida (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadiidae	Glycinde	trifida
MNK209	Heteromastus filiformis (Claparedé, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK209	Magelona dakini Jones, 1978	Animalia	Annelida	Polychaeta	Spionida	Magelonidae	Magelona	dakini
MNK209	Caprella equilibra Say, 1818	Animalia	Arthropoda	Malacostraca	Amphipoda	Caprellidae	Caprella	equilibra
MNK209	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK209	Soletellina siliquens Willan, 1993	Animalia	Mollusca	Bivalvia	Veneroida	Psammobiidae	Soletellina	siliquens
MNK209	Cominella adspersa (Brugière, 1789)	Animalia	Mollusca	Gastropoda	Neogastropoda	Buccinidae	Cominella	adspersa
MNK209	Macomona liliiana (Iredale, 1915)	Animalia	Mollusca	Bivalvia	Veneroida	Tellinidae	Macomona	liliiana
MNK209	Nucula hartvigiana Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK209	Gracilaria sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK211	Notomegalobalanus decorus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Notomegalobalanus	decorus
MNK211	Notomithrax peronii (Milne-Edwards, 1834)	Animalia	Arthropoda	Malacostraca	Decapoda	Majidae	Notomithrax	peronii
MNK211	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK211	Austrominius modestus Darwin, 1854	Animalia	Arthropoda	Maxillopoda	Sessilia	Archaeobalanidae	Austrominius	modestus
MNK211	Halicarcinus varius (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Halicarcinus	varius
MNK211	Hemigrapsus crenulatus (Milne Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Varunidae	Hemigrapsus	crenulatus
MNK211	Notomegalobalanus decorus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Notomegalobalanus	decorus
MNK211	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK211	Pilumnopeus serratifrons (Kinahan, 1856)	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Pilumnopeus	serratifrons

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK211	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidae	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK211	<i>Perna canaliculus</i> (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloidea	Mytilidae	Perna	canaliculus
MNK216	Protoperidinium sp. 2	Protozoa	Myzozoa	Dinophyceae	Peridinales	Peridiniaceae	Protoperidinium	sp2
MNK216	Protoperidinium sp. 1	Protozoa	Myzozoa	Dinophyceae	Peridinales	Peridiniaceae	Protoperidinium	sp. 1
MNK217	Cysts	Protozoa						
MNK218	Aricidea aricidea-B undescribed	Animalia	Annelida	Polychaeta	Orbiniida	Paraonidae	Aricidea	aricidea-B
MNK218	<i>Cossura consimilis</i> Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK218	<i>Glycera ovigera</i> Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllocoelida	Glyceridae	Glycera	ovigera
MNK218	<i>Glycinde trifida</i> (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllocoelida	Goniadiidae	Glycinde	trifida
MNK218	<i>Heteromastus filiformis</i> (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK218	<i>Lepidastheniella comma</i> (Thomson, 1902)	Animalia	Annelida	Polychaeta	Phyllocoelida	Polynoidae	Lepidastheniella	comma
MNK218	<i>Streblosoma toddae</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddae
MNK218	<i>Alpheus Fabricius</i> , 1798	Animalia	Arthropoda	Malacostraca	Decapoda	Alpheidae	Alpheus	
MNK218	<i>Caprella equilibra</i> Say, 1818	Animalia	Arthropoda	Malacostraca	Amphipoda	Caprellidae	Caprella	equilibra
MNK218	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK218	<i>Trochus tiaratus</i> Quoy & Gaimard, 1834	Animalia	Mollusca	Gastropoda	Vetigastropoda	Trochidae	Trochus	tiaratus
MNK218	<i>Austrovenus stutchburyi</i> (Wood, 1828)	Animalia	Mollusca	Bivalvia	Venerida	Veneridae	Austrovenus	stutchburyi
MNK218	<i>Macomona lilliana</i> (Iredale, 1915)	Animalia	Mollusca	Bivalvia	Venerida	Tellinidae	Macomona	lilliana
MNK218	<i>Nucula hartvigiana</i> Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK218	Gracilaria sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariae	Gracilaria	
MNK219	Aricidea aricidea-B undescribed	Animalia	Annelida	Polychaeta	Orbiniida	Paraonidae	Aricidea	aricidea-B
MNK219	<i>Armandia maculata</i> (Webster, 1884)	Animalia	Annelida	Polychaeta	Scolecida	Opheliidae	Armandia	maculata
MNK219	<i>Glycinde trifida</i> (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllocoelida	Goniadiidae	Glycinde	trifida
MNK219	<i>Heteromastus filiformis</i> (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK219	<i>Lepidastheniella comma</i> (Thomson, 1902)	Animalia	Annelida	Polychaeta	Phyllocoelida	Polynoidae	Lepidastheniella	comma
MNK219	<i>Marphysa depressa</i> (Schmarda, 1861)	Animalia	Annelida	Polychaeta	Eunicida	Eunicidae	Marphysa	depressa
MNK219	<i>Ophiodromus angustifrons</i> (Grube, 1878)	Animalia	Annelida	Polychaeta	Phyllocoelida	Hesionidae	Ophiodromus	angustifrons
MNK219	<i>Streblosoma toddae</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddae
MNK219	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK219	Acanthochitonida	Animalia	Mollusca	Polyplacophora	Neoliricata	Acanthochitonidae	Acanthochitonida	
MNK219	Nemertea	Animalia	Nemertea					
MNK219	Gracilaria sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariae	Gracilaria	
MNK220	<i>Marphysa depressa</i> (Schmarda, 1861)	Animalia	Annelida	Polychaeta	Eunicida	Eunicidae	Marphysa	depressa
MNK220	Aricidea aricidea-B undescribed	Animalia	Annelida	Polychaeta	Orbiniida	Paraonidae	Aricidea	aricidea-B
MNK220	<i>Armandia maculata</i> (Webster, 1884)	Animalia	Annelida	Polychaeta	Scolecida	Opheliidae	Armandia	maculata
MNK220	<i>Heteromastus filiformis</i> (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scopelida	Capitellidae	Heteromastus	filiformis
MNK220	<i>Lepidastheniella comma</i> (Thomson, 1902)	Animalia	Annelida	Polychaeta	Phyllocoelida	Polynoidae	Lepidastheniella	comma
MNK220	<i>Streblosoma toddae</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddae
MNK220	<i>Caprella equilibra</i> Say, 1818	Animalia	Arthropoda	Malacostraca	Amphipoda	Caprellidae	Caprella	equilibra
MNK220	<i>Macrophthalmus hirtipes</i> (Jacquinot, 1853)	Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	Macrophthalmus	hirtipes
MNK220	Ascidiae	Animalia	Chordata	Asciidae				
MNK220	<i>Mimetridium cryptum</i>	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK220	<i>Nucula hartvigiana</i> Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK220	<i>Solieria alien</i> sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Soliariaceae	Solieria	alien sp
MNK221	<i>Actinoptychus senarius</i> (Ehrenberg) Ehrenberg 1843	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Heliopektaceae	Actinoptychus	senarius
MNK221	<i>Coscinodiscus wailesii</i> Gran & Angst, 1931	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Coscinodiscaceae	Coscinodiscus	wailesii
MNK221	<i>Gyrosigma</i> sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK221	<i>Pleurosigma</i> sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK221	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Thalassiosiraceae	Thalassiosira	
MNK221	<i>Thalassiosira decipiens</i> (Grunow) E.G. Jørgensen	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Thalassiosiraceae	Thalassiosira	decipiens

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK223	<i>Thalassionema frauenfeldii</i> (Grunow) Tempére & Peragallo 1910	Chromista	Bacillariophyta	Fragilariophyceae	Thalassionemales	Thalassionemataceae	Thalassionema	frauenfeldii
MNK223	<i>Actinptychus senarius</i> (Ehrenberg) Ehrenberg 1843	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Heliopeltaceae	Actinptychus	senarius
MNK223	<i>Ditylum brightwelli</i> (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK223	<i>Gyrosigma</i> sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK223	<i>Melosira</i> sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	
MNK223	<i>Odontella sinensis</i> (Greville) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Odontella	sinensis
MNK223	<i>Pleurosigma</i> sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK223	<i>Thalassionema nitzschiooides</i> (Grunow) Mereschkowsky 1902	Chromista	Bacillariophyta	Fragilariophyceae	Thalassionemales	Thalassionemataceae	Thalassionema	nitzschiooides
MNK223	<i>Thalassiosira</i>	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	
MNK223	<i>Thalassiosira decipiens</i> (Grunow) E.G. Jørgensen	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	decipiens
MNK224	Zooplankton	Animalia						
MNK225	Zooplankton	Animalia						
MNK226	Zooplankton	Animalia						
MNK227	<i>Austrominius modestus</i> Darwin, 1854	Animalia	Arthropoda	Maxillopoda	Sessilia	Archaeobalanidae	Austrominius	modestus
MNK227	<i>Neohymenicus pubescens</i> (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK227	<i>Notomegalanus decorus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Notomegalanus	decorus
MNK227	<i>Pilumnopeus serratifrons</i> (Kinahan, 1856)	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Pilumnopeus	serratifrons
MNK227	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidiacea	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK227	<i>Molgula mortensenii</i> (Michaelsen, 1922)	Animalia	Chordata	Asciidiacea	Pleurogona	Molgulidae	Molgula	mortensenii
MNK227	<i>Mimetridium cryptum</i>	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK227	Zooplankton	Animalia						
MNK231	Cysts	Protozoa						
MNK232	Cysts	Protozoa						
MNK233	Cysts	Protozoa						
MNK234	<i>Amphibalanus variegatus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK234	<i>Caprella equilibra</i> Say, 1818	Animalia	Arthropoda	Malacostraca	Amphipoda	Caprellidae	Caprella	equilibra
MNK234	<i>Notomegalanus decorus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Notomegalanus	decorus
MNK234	<i>Conopeum oretiensis</i> Uttley, 1951	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Electridae	Conopeum	oretiensis
MNK234	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK234	<i>Cyclomactra ovata</i> (Gray, 1843)	Animalia	Mollusca	Bivalvia	Veneroida	Mactridae	Cyclomactra	ovata
MNK234	<i>Solemya parkinsonii</i> Smith, 1874	Animalia	Mollusca	Bivalvia	Dimyaria	Solemyidae	Solemya	parkinsonii
MNK234	<i>Gracilaria</i> sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK234	<i>Solieria alien</i> sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Soliariaceae	Solieria	alien sp
MNK234	Unidentifiable	Unidentifiable						
MNK235	Aricidea aricidea-B undescribed	Animalia	Annelida	Polychaeta	Orbiniida	Paraonidae	Aricidea	aricidea-B
MNK235	<i>Cossura consimilis</i> Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK235	<i>Glycera lamelliformis</i> McIntosh, 1885	Animalia	Annelida	Polychaeta	Phyllodocida	Glyceridae	Glycera	lamelliformis
MNK235	<i>Glycinde trifida</i> (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadiidae	Glycinde	trifida
MNK235	<i>Heteromastus filiformis</i> (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK235	<i>Magelona dakini</i> Jones, 1978	Animalia	Annelida	Polychaeta	Spionida	Magelonidae	Magelona	dakini
MNK235	Platyneres australis group	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Platyneres	australis group
MNK235	<i>Streblosoma toddae</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddæ
MNK235	<i>Austrominius modestus</i> Darwin, 1854	Animalia	Arthropoda	Maxillopoda	Sessilia	Archaeobalanidae	Austrominius	modestus
MNK235	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK235	<i>Cyclomactra ovata</i> (Gray, 1843)	Animalia	Mollusca	Bivalvia	Veneroida	Mactridae	Cyclomactra	ovata
MNK235	<i>Macomona liliiana</i> (Iredale, 1915)	Animalia	Mollusca	Bivalvia	Veneroida	Tellinidae	Macomona	liliiana
MNK235	<i>Soletellina siliquens</i> Willan, 1993	Animalia	Mollusca	Bivalvia	Veneroida	Psammobiidae	Soletellina	siliquens
MNK235	Ceramium	Plantae	Rhodophyta	Florideophyceae	Ceramiales	Ceramiaceae	Ceramium	
MNK235	Gracilaria	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK236	Bivalvia	Animalia	Mollusca	Bivalvia				

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK237	<i>Armandia maculata</i> (Webster, 1884)	Animalia	Annelida	Polychaeta	Scolecida	Opheliidae	Armandia	maculata
MNK237	<i>Cossura consimilis</i> Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK237	<i>Glycinde trifida</i> (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadidae	Glycinde	trifida
MNK237	<i>Heteromastus filiformis</i> (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK237	<i>Lepidastheniella comma</i> (Thomson, 1902)	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidastheniella	comma
MNK237	<i>Prionospio aucklandica</i> Augener, 1923	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Prionospio	aucklandica
MNK237	<i>Prionospio multicristata</i> Hutchings & Rainer	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Prionospio	multicristata
MNK237	<i>Schistomerings loveni</i> (Kinberg, 1865)	Animalia	Annelida	Polychaeta	Eunicida	Dorvilleidae	Schistomerings	loveni
MNK237	<i>Streblosoma toddae</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddae
MNK237	<i>Notomithrax minor</i> (Filhol, 1885)	Animalia	Arthropoda	Malacostraca	Decapoda	Majidae	Notomithrax	minor
MNK237	<i>Paguristes pilosus</i> (Milne-Edwards, 1836)	Animalia	Arthropoda	Malacostraca	Decapoda	Digenidae	Paguristes	pilosus
MNK237	<i>Amphibalanus variegatus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK237	<i>Notomegalanus decorus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Notomegalanus	decorus
MNK237	<i>Periclimenes yaldwyni</i> Holthuis, 1959	Animalia	Arthropoda	Malacostraca	Decapoda	Palaemonidae	Periclimenes	yaldwyni
MNK237	<i>Torridoharpinia hurleyi</i> (Barnard, 1958)	Animalia	Arthropoda	Malacostraca	Ampipoda	Phoxocephalidae	Torridoharpinia	hurleyi
MNK237	Alcyoniumidium	Animalia	Bryozoa	Gymnolaemata	Ctenosomata	Alcyoniidae	Alcyoniumidium	
MNK237	<i>Pyura rugata</i> (Brewin, 1948)	Animalia	Chordata	Ascidiae	Pleurogona	Pyuridae	Pyura	rugata
MNK237	<i>Corella eumyota</i> Traustedt, 1882	Animalia	Chordata	Ascidiae	Enterogona	Corellidae	Corella	eumyota
MNK237	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Ascidiae	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK237	Diadumenidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae		
MNK237	<i>Ruditapes largillierti</i> (Philippi, 1849)	Animalia	Mollusca	Bivalvia	Venerida	Veneridae	Ruditapes	largillierti
MNK237	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreida	Ostreidae	Crassostrea	gigas
MNK237	<i>Nucula hartvigiana</i> Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculida	Nuculidae	Nucula	hartvigiana
MNK237	<i>Perna canaliculus</i> (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloida	Mytilidae	Perna	canaliculus
MNK237	Solieria alien sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Soliariaceae	Solieria	alien sp
MNK237	Zooplankton	Animalia						
MNK243	<i>Odontella mobiliensis</i> (Bailey) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratales	Triceratiaceae	Odontella	mobiliensis
MNK243	<i>Thalassiosira condensata</i> Cleve, 1900	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Thalassiosiraceae	Thalassiosira	condensata
MNK243	Gyrosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK243	Melosira sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	
MNK243	Pleurosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK243	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Thalassiosiraceae	Thalassiosira	
MNK243	Cysts	Protozoa						
MNK244	<i>Cossura consimilis</i> Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK244	<i>Heteromastus filiformis</i> (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK244	<i>Magelona dakini</i> Jones, 1978	Animalia	Annelida	Polychaeta	Spionida	Magelonidae	Magelona	dakini
MNK244	<i>Owenia petersenae</i> Koh & Baud, 2003	Animalia	Annelida	Polychaeta	Sabellida	Oweniidae	Owenia	petersenae
MNK244	<i>Pectinaria australis</i> Ehlers, 1904	Animalia	Annelida	Polychaeta	Terebellida	Pectinariidae	Pectinaria	australis
MNK244	<i>Austrominius modestus</i> Darwin, 1854	Animalia	Arthropoda	Maxillopoda	Sessilia	Archaeobalanidae	Austrominius	modestus
MNK244	<i>Caprella equilibra</i> Say, 1818	Animalia	Arthropoda	Malacostraca	Amphipoda	Caprellidae	Caprella	equilibra
MNK244	<i>Pinnotheres novaezealandiae</i> Filhol, 1885	Animalia	Arthropoda	Malacostraca	Decapoda	Pinnotheridae	Pinnotheres	novaezealandiae
MNK244	<i>Cyclomactra ovata</i> (Gray, 1843)	Animalia	Mollusca	Bivalvia	Venerida	Mactridae	Cyclomactra	ovata
MNK244	<i>Phoronis psammophila</i> Cori, 1889	Animalia	Phoronida			Phoronidae	Phoronis	psammophila
MNK244	Gracilaria sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK244	Unidentifiable	Unidentifiable						
MNK245	<i>Cossura consimilis</i> Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK245	<i>Magelona dakini</i> Jones, 1978	Animalia	Annelida	Polychaeta	Spionida	Magelonidae	Magelona	dakini
MNK245	<i>Glycinde trifida</i> (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadidae	Glycinde	trifida
MNK245	<i>Heteromastus filiformis</i> (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK245	<i>Nicon aestuariensis</i> Knox, 1951	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nicon	aestuariensis

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK245	Owenia petersenae Koh & Bhaud, 2003	Animalia	Annelida	Polychaeta	Sabellida	Oweniidae	Owenia	petersenae
MNK245	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK245	Macrophthalmus hirtipes (Jacquinot, 1853)	Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	Macrophthalmus	hirtipes
MNK245	Torridoharpinia hurleyi (Barnard, 1958)	Animalia	Arthropoda	Malacostraca	Amphipoda	Phoxocephalidae	Torridoharpinia	hurleyi
MNK245	Conopeum oreiensis Utley, 1951	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Electridae	Conopeum	oreiensis
MNK245	Cominella sp.	Animalia	Mollusca	Gastropoda	Neogastropoda	Buccinidae	Cominella	
MNK245	Cyclomactra ovata (Gray, 1843)	Animalia	Mollusca	Bivalvia	Veneroida	Mactridae	Cyclomactra	ovata
MNK245	Macomona liliiana (Iredale, 1915)	Animalia	Mollusca	Bivalvia	Veneroida	Tellinidae	Macomona	liliiana
MNK245	Nucula hartvigiana Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK245	Phoronis psammophila Cori, 1889	Animalia	Phoronida			Phoronidae	Phoronis	psammophila
MNK245	Gracilaria sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK246	Armandia maculata (Webster, 1884)	Animalia	Annelida	Polychaeta	Scolecida	Opheliidae	Armandia	maculata
MNK246	Cossura consimilis Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK246	Magelona dakini Jones, 1978	Animalia	Annelida	Polychaeta	Spionida	Magelonidae	Magelona	dakini
MNK246	Parasterope sp.	Animalia	Arthropoda	Ostracoda	Myodocopida	Cylindroleberididae	Parasterope	
MNK246	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK246	Austrominius modestus Darwin, 1854	Animalia	Arthropoda	Maxillopoda	Sessilia	Archaeobalanidae	Austrominius	modestus
MNK246	Monocorophium acherusicum (Costa, 1857)	Animalia	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Monocorophium	acherusicum
MNK246	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK246	Nucula hartvigiana Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK246	Hymenena sp.	Plantae	Rhodophyta	Florideophyceae	Ceramiales	Delesseriaceae	Hymenena	
MNK246	Gracilaria sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK247	Gyrosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK247	Pleurosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK247	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	
MNK249	Coscinodiscus	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Coscinodiscaceae	Coscinodiscus	
MNK249	Ditylum brightwelli (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK249	Gyrosigma sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK249	Pleurosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK249	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	
MNK250	Zooplankton	Animalia						
MNK251	Zooplankton	Animalia						
MNK251	Zooplankton	Animalia						
MNK252	Zooplankton	Animalia						
MNK253	Armandia maculata (Webster, 1884)	Animalia	Annelida	Polychaeta	Scolecida	Opheliidae	Armandia	maculata
MNK253	Lepidonotus polychromus Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK253	Pirakia pirakia-A	Animalia	Annelida	Polychaeta	Phyllodocida	Phyllodocidae	Pirakia	pirakia-A
MNK253	Protocirrineris nuchalis (Ehlers, 1907)	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae	Protocirrineris	nuchalis
MNK253	Pseudopista rostrata Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Pseudopista	rostrata
MNK253	Streblosoma toddae Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddæ
MNK253	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK253	Austrominius modestus Darwin, 1854	Animalia	Arthropoda	Maxillopoda	Sessilia	Archaeobalanidae	Austrominius	modestus
MNK253	Notomegalanus decorus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Notomegalanus	decorus
MNK253	Notomithrax minor (Filhol, 1885)	Animalia	Arthropoda	Malacostraca	Decapoda	Majidae	Notomithrax	minor
MNK253	Pagurus traversi (Filhol, 1885)	Animalia	Arthropoda	Malacostraca	Decapoda	Paguridae	Pagurus	traversi
MNK253	Palaemon affinis Milne-Edwards, 1837	Animalia	Arthropoda	Malacostraca	Decapoda	Palaemonidae	Palaemon	affinis
MNK253	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK253	Pilumnopaeus serratifrons (Kinahan, 1856)	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Pilumnopaeus	serratifrons
MNK253	Plagusia chabrus (Linnaeus, 1758)	Animalia	Arthropoda	Malacostraca	Decapoda	Plagusiidae	Plagusia	chabrus
MNK253	Grahamina capito (Jenyns, 1842)	Animalia	Chordata	Actinopterygii	Perciformes	Tripterygiidae	Grahamina	capito

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK253	<i>Corella eumyota</i> Traustedt, 1882	Animalia	Chordata	Asciidae	Enterogona	Corellidae	Corella	eumyota
MNK253	<i>Molgula mortenseni</i> (Michaelsen, 1922)	Animalia	Chordata	Asciidae	Pleurogona	Molgulidae	Molgula	mortenseni
MNK253	<i>Mimetridium cryptum</i>	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK253	<i>Perna canaliculus</i> (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloida	Mytilidae	Perna	canaliculus
MNK257	<i>Protoperidinium</i> sp. 2	Protozoa	Myzozoa	Dinophyceae	Peridinales	Peridiniaceae	Protoperidinium	sp2
MNK258	Cysts	Protozoa						
MNK259	Cysts	Protozoa						
MNK260	Cirripedia	Animalia	Arthropoda	Maxillopoda				
MNK260	<i>Monocorophium acherusicum</i> (Costa, 1857)	Animalia	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Monocorophium	acherusicum
MNK260	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK260	<i>Amphiura annulifera</i> Mortensen, 1924	Animalia	Echinodermata	Ophiuroidea	Ophiurida	Ophiuridae	Amphiura	annulifera
MNK260	<i>Cyclomactra ovata</i> (Gray, 1843)	Animalia	Mollusca	Bivalvia	Veneroida	Mactridae	Cyclomactra	ovata
MNK260	<i>Gracilaria</i> sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK261	<i>Lepidonotus polychromus</i> Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK261	Syllidae	Animalia	Annelida	Polychaeta	Phyllodocida	Syllidae		
MNK261	<i>Halicarcinus varius</i> (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Halicarcinus	varius
MNK261	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK261	<i>Zenatia acinaces</i> (Quoy & Gaimard, 1835)	Animalia	Mollusca	Bivalvia	Veneroida	Mactridae	Zenatia	acinaces
MNK261	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK262	<i>Macrophthalmus hirtipes</i> (Jacquinot, 1853)	Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	Macrophthalmus	hirtipes
MNK262	<i>Torridoharpinia hurleyi</i> (Barnard, 1958)	Animalia	Arthropoda	Malacostraca	Amphipoda	Phoxocephalidae	Torridoharpinia	hurleyi
MNK262	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK262	<i>Amphiura annulifera</i> Mortensen, 1924	Animalia	Echinodermata	Ophiuroidea	Ophiurida	Ophiuridae	Amphiura	annulifera
MNK262	<i>Zenatia acinaces</i> (Quoy & Gaimard, 1835)	Animalia	Mollusca	Bivalvia	Veneroida	Mactridae	Zenatia	acinaces
MNK262	<i>Gracilaria</i> sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK263	<i>Lepidonotus polychromus</i> Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK263	<i>Perinereis Perinereis-A</i>	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Perinereis	Perinereis-A
MNK263	<i>Streblosoma toddae</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddae
MNK263	<i>Amphibalanus variegatus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK263	<i>Neohymenicus pubescens</i> (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK263	<i>Notomegalobalanus decorus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Notomegalobalanus	decorus
MNK263	<i>Notomithrax minor</i> (Filhol, 1885)	Animalia	Arthropoda	Malacostraca	Decapoda	Majidae	Notomithrax	minor
MNK263	<i>Petrolisthes elongatus</i> (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK263	<i>Pilumnopaeus serratifrons</i> (Kinahan, 1856)	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Pilumnopaeus	serratifrons
MNK263	<i>Caberea rostrata</i> Busk, 1884	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Candidae	Caberea	rostrata
MNK263	<i>Cnemidocarpa bicornuta</i> (Sluiter, 1900)	Animalia	Chordata	Asciidae	Pleurogona	Styelidae	Cnemidocarpa	bicornuta
MNK263	<i>Corella eumyota</i> Traustedt, 1882	Animalia	Chordata	Asciidae	Enterogona	Corellidae	Corella	eumyota
MNK263	<i>Molgula mortenseni</i> (Michaelsen, 1922)	Animalia	Chordata	Asciidae	Pleurogona	Molgulidae	Molgula	mortenseni
MNK263	<i>Pyura rugata</i> (Brewin, 1948)	Animalia	Chordata	Asciidae	Pleurogona	Pyuridae	Pyura	rugata
MNK263	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK263	<i>Perna canaliculus</i> (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloida	Mytilidae	Perna	canaliculus
MNK263	Zooplankton	Animalia						
MNK269	Cysts	Protozoa						
MNK270	<i>Armandia maculata</i> (Webster, 1884)	Animalia	Annelida	Polychaeta	Scolecida	Ophelliidae	Armandia	maculata
MNK270	<i>Nereis falcaria</i> Willey, 1905	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nereis	falcaria
MNK270	<i>Cossura consimilis</i> Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK270	<i>Glycinde trifida</i> (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadiidae	Glycinde	trifida
MNK270	<i>Heteromastus filiformis</i> (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK270	<i>Platynereis australis</i> group	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Platynereis	australis group
MNK270	<i>Prionospio multicristata</i> Hutchings & Rainer	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Prionospio	multicristata

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK270	Schottea sp.	Animalia	Arthropoda	Malacostraca	Isopoda	Pseudojaniridae	Schottea	
MNK270	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK270	Monocorophium acherusicum (Costa, 1857)	Animalia	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Monocorophium	acherusicum
MNK270	Notomegalanus decorus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Notomegalanus	decorus
MNK270	Pilumnopeus serratifrons (Kinahan, 1856)	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Pilumnopeus	serratifrons
MNK270	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK270	Leptochiton inquinatus (Reeve, 1847)	Animalia	Mollusca	Polyplacophora	Lepidopleurina	Leptochitonidae	Leptochiton	inquinatus
MNK270	Maoricolpus roseus (Quoy & Gaimard, 1834)	Animalia	Mollusca	Gastropoda	Neotaenioglossa	Turritellidae	Maoricolpus	roseus
MNK270	Zegalerus tenuis (Gray, 1867)	Animalia	Mollusca	Gastropoda	Neotaenioglossa	Calyptraeidae	Zegalerus	tenuis
MNK270	Acanthochitona zelandica (Quoy & Gaimard,	Animalia	Mollusca	Polyplacophora	Neoliricata	Acanthochitonidae	Acanthochitona	zelandica
MNK270	Ruditapes largillierti (Philippi, 1849)	Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	Ruditapes	largillierti
MNK270	Plocamium sp.	Plantae	Rhodophyta	Florideophyceae	Plocamiales	Plocamiaceae	Plocamium	
MNK270	Gracilaria sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK271	Boccardia acus (Rainer, 1973)	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Boccardia	acus
MNK271	Armandia maculata (Webster, 1884)	Animalia	Annelida	Polychaeta	Scolecida	Ophelliidae	Armandia	maculata
MNK271	Cossura consimilis Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK271	Glycera lamelliformis McIntosh, 1885	Animalia	Annelida	Polychaeta	Phyllodocida	Glyceridae	Glycera	lamelliformis
MNK271	Glycinde trifida (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadidae	Glycinde	trifida
MNK271	Heteromastus filiformis (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK271	Lepidonotus polychromus Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK271	Prionospio aucklandica Augener, 1923	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Prionospio	aucklandica
MNK271	Prionospio multicristata Hutchings & Rainer	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Prionospio	multicristata
MNK271	Paguristes setosus (Milne Edwards, 1848)	Animalia	Arthropoda	Malacostraca	Decapoda	Dienogenidae	Paguristes	setosus
MNK271	Torridoharpinia hurleyi (Barnard, 1958)	Animalia	Arthropoda	Malacostraca	Amphipoda	Phoxocephalidae	Torridoharpinia	hurleyi
MNK271	Antarctothoa tongima (Ryland & Gordon, 1977)	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Hippothoidae	Antarctothoa	tongima
MNK271	Alcyonium	Animalia	Bryozoa	Gymnolaemata	Ctenosomata	Alcyoniidae	Alcyonium	
MNK271	Conopeum oreiensis Uttley, 1951	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Electridae	Conopeum	oreiensis
MNK271	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK271	Coscinasterias muricata Verrill, 1867	Animalia	Echinodermata	Asteroida	Forcipulatida	Asteriidae	Coscinasterias	muricata
MNK271	Amphiura annulifera Mortensen, 1924	Animalia	Echinodermata	Ophiuroidea	Ophiurida	Amphiuridae	Amphiura	annulifera
MNK271	Maoricolpus roseus (Quoy & Gaimard, 1834)	Animalia	Mollusca	Gastropoda	Neotaenioglossa	Turritellidae	Maoricolpus	roseus
MNK271	Nucula hartvigiana Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK271	Sigapatella novaezelandiae (Lesson, 1830)	Animalia	Mollusca	Gastropoda	Neotaenioglossa	Calyptraeidae	Sigapatella	novaezelandiae
MNK271	Gracilaria sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK272	Armandia maculata (Webster, 1884)	Animalia	Annelida	Polychaeta	Scolecida	Ophelliidae	Armandia	maculata
MNK272	Heteromastus filiformis (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK272	Lepidonotus polychromus Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK272	Nereis falcaria Wiley, 1905	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nereis	falcaria
MNK272	Owenia petersenae Koh & Baud, 2003	Animalia	Annelida	Polychaeta	Sabellida	Oweniidae	Owenia	petersenae
MNK272	Pherusa parmata (Grube, 1878)	Animalia	Annelida	Polychaeta	Terebellida	Flabelligeridae	Pherusa	parmata
MNK272	Prionospio multicristata Hutchings & Rainer	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Prionospio	multicristata
MNK272	Pagurus traversi (Filhol, 1885)	Animalia	Arthropoda	Malacostraca	Decapoda	Paguridae	Pagurus	traversi
MNK272	Halicarcinus varius (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Halicarcinus	varius
MNK272	Parawaldeckia vesca Lowry & Stoddard, 1983	Animalia	Arthropoda	Malacostraca	Amphipoda	Melitidae	Parawaldeckia	vesca
MNK272	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK272	Schottea sp.	Animalia	Arthropoda	Malacostraca	Isopoda	Pseudojaniridae	Schottea	
MNK272	Microcosmus squamiger Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidiacea	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK272	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK272	Acanthochitona	Animalia	Mollusca	Polyplacophora	Neoliricata	Acanthochitonidae	Acanthochitona	
MNK272	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK272	Nemertea	Animalia	Nemertea					
MNK272	Gracilaria sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK273	Guinardia flaccida (Castracane) Peragallo 1892	Chromista	Bacillariophyta	Coscinodiscophyceae	Rhizosoleniales	Rhizosoleniaceae	Guinardia	flaccida
MNK273	Ditylum brightwelli (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK273	Gyrosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK273	Melosira sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	
MNK273	Pleurosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK273	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	
MNK274	Coscinodiscus wailesii Gran & Angst, 1931	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Coscinodiscaceae	Coscinodiscus	wailesii
MNK274	Ditylum brightwelli (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK274	Gyrosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK274	Melosira sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	
MNK274	Pleurosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK274	Thalassionema nitzschiooides (Grunow) Mereschkowsky 1902	Chromista	Bacillariophyta	Fragilarophyceae	Thalassionemales	Thalassionemataceae	Thalassionema	nitzschiooides
MNK274	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	
MNK275	Ditylum brightwelli (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK275	Ditylum brightwelli (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK275	Gyrosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK275	Melosira sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	
MNK275	Pleurosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK275	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	
MNK276	Zooplankton	Animalia						
MNK277	Zooplankton	Animalia						
MNK278	Zooplankton	Animalia						
MNK279	Demonax Demonax-B	Animalia	Annelida	Polychaeta	Sabellida	Sabellidae	Demonax	Demonax-B
MNK279	Lepidonotus polychromus Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK279	Neanthes kerguelensis (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Neanthes	kerguelensis
MNK279	Perinereis Perinereis-A	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Perinereis	Perinereis-A
MNK279	Streblosoma toddae Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddae
MNK279	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK279	Neohymenicus pubescens (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK279	Notomegalanus decorus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Notomegalanus	decorus
MNK279	Notomegalanus decorus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Notomegalanus	decorus
MNK279	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK279	Microcosmus squamiger Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidae	Pleurogona	Pleurogona	Microcosmus	squamiger
MNK279	Molgula mortensenii (Michaelsen, 1922)	Animalia	Chordata	Asciidae	Pleurogona	Molgulidae	Molgula	mortensenii
MNK279	Actiniaria	Animalia	Cnidaria	Anthozoa	Actiniaria			
MNK279	Mytilus	Animalia	Mollusca	Bivalvia	Mytiloida	Mytilidae	Mytilus	
MNK279	Perna canaliculus (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloida	Mytilidae	Perna	canaliculus
MNK279	Ruditapes largillieri (Philippi, 1849)	Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	Ruditapes	largillieri
MNK279	Zooplankton	Animalia						
MNK283	Cysts	Protozoa						
MNK284	Cysts	Protozoa						
MNK285	Protoperidinium sp. 1	Protozoa	Myzozoa	Dinophyceae	Peridinales	Peridiniaceae	Protoperidinium	sp. 1
MNK286	Polychaeta	Animalia	Annelida	Polychaeta				
MNK286	Penetrantia sp.	Animalia	Bryozoa	Gymnolaemata	Ctenosomata	Penetrantiidae	Penetrantia	
MNK286	Smittina torques Powell, 1967	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Smittinidae	Smittina	torques
MNK286	Alcyonidium	Animalia	Bryozoa	Gymnolaemata	Ctenosomata	Alcyoniidae	Alcyonidium	
MNK286	Amathia distans Busk, 1866	Animalia	Bryozoa	Gymnolaemata	Ctenosomata	Vesiculariidae	Amathia	distans
MNK286	Conopeum oreiensis Uttley, 1951	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Electridae	Conopeum	oreiensis

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK286	Aiptasiamorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiamorphidae		
MNK286	Cominella adspersa (Brugière, 1789)	Animalia	Mollusca	Gastropoda	Neogastropoda	Buccinidae	Cominella	adspersa
MNK286	Nucula hartvigiana Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK286	Solieria alien sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Soliariaceae	Solieria	alien sp
MNK288	Sabellariidae	Animalia	Annelida	Polychaeta	Sabellida	Sabellariidae		
MNK288	Pagurus novizealandiae (Dana, 1852)	Animalia	Arthropoda	Malacostraca	Decapoda	Paguridae	Pagurus	novizealandiae
MNK288	Schizosmittina cinctipora (Hincks, 1883)	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Biectiporidae	Schizosmittina	cinctipora
MNK288	Alcyoniumidium	Animalia	Bryozoa	Gymnolaemata	Ctenosomata	Alcyoniidiidae	Alcyoniumidium	
MNK288	Conopeum oreiensis Uttley, 1951	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Electridae	Conopeum	oreiensis
MNK288	Styelidae Sluiter, 1895	Animalia	Chordata	Asciidiacea	Pleurogona	Styelidae		
MNK288	Aiptasiamorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiamorphidae		
MNK288	Sigapatella novaezelandiae (Lesson, 1830)	Animalia	Mollusca	Gastropoda	Neotaenioglossa	Calyptraeidae	Sigapatella	novaezelandiae
MNK288	Nucula hartvigiana Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK288	Ruditapes largillieri (Philippi, 1849)	Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	Ruditapes	largillieri
MNK288	Detritus	Detritus						
MNK289	Demonax Demonax-B	Animalia	Annelida	Polychaeta	Sabellida	Sabellidae	Demonax	Demonax-B
MNK289	Lepidonotus polychromus Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK289	Neanthes kerguelensis (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Neanthes	kerguelensis
MNK289	Pseudopista rostrata Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Pseudopista	rostrata
MNK289	Streblosoma toddae Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddae
MNK289	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK289	Halicarcinus varius (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Halicarcinus	varius
MNK289	Neohymenicus pubescens (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK289	Notomegalanus decorus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Notomegalanus	decorus
MNK289	Notomithrax peronii (Milne-Edwards, 1834)	Animalia	Arthropoda	Malacostraca	Decapoda	Majidae	Notomithrax	peronii
MNK289	Caberea rostrata Busk, 1884	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Candidae	Caberea	rostrata
MNK289	Pyura picta Brewin, 1950	Animalia	Chordata	Asciidiacea	Pleurogona	Pyuridae	Pyura	picta
MNK289	Pyura sp.	Animalia	Chordata	Asciidiacea	Pleurogona	Pyuridae	Pyura sp.	
MNK289	Microcosmus squamiger Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidiacea	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK289	Molgula mortensenii (Michaelsen, 1922)	Animalia	Chordata	Asciidiacea	Pleurogona	Molgulidae	Molgula	mortensenii
MNK289	Mimetridium cryptum	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK289	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK289	opisthobranchia	Animalia	Mollusca	opisthobranchia				
MNK289	Perna canaliculus (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiliida	Mytilidae	Perna	canaliculus
MNK289	Zooplankton	Animalia						
MNK293	Cysts	Protozoa						
MNK295	Cysts	Protozoa						
MNK296	Malmgreniella Malmgreniella-A (undescribed)	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Malmgreniella	Malmgreniella-A
MNK296	Paguristes pilosus (Milne-Edwards, 1836)	Animalia	Arthropoda	Malacostraca	Decapoda	Diogenidae	Paguristes	pilosus
MNK296	Amphiura annulifera Mortensen, 1924	Animalia	Echinodermata	Ophiuroidea	Ophiurida	Amphiuridae	Amphiura	annulifera
MNK296	Solieria alien sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Soliariaceae	Solieria	alien sp
MNK297	Malmgreniella Malmgreniella-A (undescribed)	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Malmgreniella	Malmgreniella-A
MNK297	Amphiura annulifera Mortensen, 1924	Animalia	Echinodermata	Ophiuroidea	Ophiurida	Amphiuridae	Amphiura	annulifera
MNK298	Prionospio yuriel Wilson, 1990	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Prionospio	yuriel
MNK298	Aglaophamus macroura (Schmarda, 1861)	Animalia	Annelida	Polychaeta	Phyllodocida	Nephtyidae	Aglaophamus	macroura
MNK298	Cossura consimilis Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK298	Glycinde trifida (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadiidae	Glycinde	trifida
MNK298	Heteromastus filiformis (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK298	Malmgreniella Malmgreniella-A (undescribed)	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Malmgreniella	Malmgreniella-A
MNK298	Paradoneis lyra (Southern, 1914)	Animalia	Annelida	Polychaeta	Orbiniida	Paraonidae	Paradoneis	lyra

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK298	Gracilaria sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK299	Triceratium alternans J.W. Bailey 1851	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Triceratium	alternans
MNK299	Actinoptychus senarius (Ehrenberg) Ehrenberg 1843	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Heliopeltaceae	Actinoptychus	senarius
MNK299	Coscinodiscus wailesii Gran & Angst, 1931	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Coscinodiscaceae	Coscinodiscus	wailesii
MNK299	Ditylum brightwelli (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK299	Guinardia flaccida (Castracane) Peragallo 1892	Chromista	Bacillariophyta	Coscinodiscophyceae	Rhizosoleniales	Rhizosoleniaceae	Guinardia	flaccida
MNK299	Gyrosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK299	Lithodesmium undulatum Ehrenberg 1839	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Lithodesmium	undulatum
MNK299	Melosira sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	
MNK299	Odontella sinensis (Greville) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Odontella	sinensis
MNK299	Pleurosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK299	Stephanopyxis orbicularis Wood et al. 1959	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Stephanopyxidaceae	Stephanopyxis	orbicularis
MNK299	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	
MNK299	Thalassiosira decipiens (Grunow) E.G. Jørgensen	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	decipiens
MNK300	Actinoptychus senarius (Ehrenberg) Ehrenberg 1843	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Heliopeltaceae	Actinoptychus	senarius
MNK300	Coscinodiscus	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Coscinodiscaceae	Coscinodiscus	
MNK300	Detonula sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Skeletonemaceae	Detonula	
MNK300	Ditylum brightwelli (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK300	Gyrosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK300	Lithodesmium undulatum Ehrenberg 1839	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Lithodesmium	undulatum
MNK300	Melosira sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	
MNK300	Odontella mobiliensis (Bailey) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Odontella	mobiliensis
MNK300	Pleurosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK300	Stephanopyxis orbicularis Wood et al. 1959	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Stephanopyxidaceae	Stephanopyxis	orbicularis
MNK300	Thalassionema frauenfeldii (Grunow) TempPre & Peragallo 1910	Chromista	Bacillariophyta	Fragilarophyceae	Thalassionemales	Thalassionemataceae	Thalassionema	frauenfeldii
MNK300	Thalassionema nitzschiooides (Grunow) Mereschkowsky 1902	Chromista	Bacillariophyta	Fragilarophyceae	Thalassionemales	Thalassionemataceae	Thalassionema	nitzschiooides
MNK300	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	
MNK300	Thalassiosira rotula Meunier 1915	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	rotula
MNK302	Zooplankton	Animalia						
MNK303	Zooplankton	Animalia						
MNK304	Zooplankton	Animalia						
MNK305	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK305	Austrominius modestus Darwin, 1854	Animalia	Arthropoda	Maxillopoda	Sessilia	Archaeobalanidae	Austrominius	modestus
MNK305	Isopoda	Animalia	Arthropoda	Malacostraca	Isopoda			
MNK305	Notomegalanus decorus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Notomegalanus	decorus
MNK305	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK305	Mimetridium cryptum	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK305	Irus reflexus (Hutton, 1873)	Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	Irus	reflexus
MNK305	Perna canaliculus (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloida	Mytilidae	Perna	canaliculus
MNK309	Cysts	Protozoa						
MNK311	Cysts	Protozoa						
MNK312	Barantolla lepte Hutchings, 1974	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Barantolla	lepte
MNK312	Levinsenia gracilis (Tauber, 1879)	Animalia	Annelida	Polychaeta	Orbiniida	Paraonidae	Levinsenia	gracilis
MNK312	Periclimenes yaldwyni Holthuis, 1959	Animalia	Arthropoda	Malacostraca	Decapoda	Palaemonidae	Periclimenes	yaldwyni
MNK312	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK312	Fellaster zelandiae (Gray, 1855)	Animalia	Echinodermata	Echinoidea	Clypasteroida	Arachnoididae	Fellaster	zelandiae
MNK312	Solieria alien sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Solariaceae	Solieria	alien sp
MNK313	Polychaeta	Animalia	Annelida	Polychaeta				
MNK314	Amphiura annulifera Mortensen, 1924	Animalia	Echinodermata	Ophiuroidea	Ophiurida	Amphiuridae	Amphiura	annulifera
MNK314	Solieria alien sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Solariaceae	Solieria	alien sp

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK315	Actiniaria	Animalia	Cnidaria	Anthozoa	Actiniaria			
MNK319	Polychaeta	Animalia	Annelida	Polychaeta				
MNK319	Ovalipes catharus (White, 1843)	Animalia	Arthropoda	Malacostraca	Decapoda	Portunidae	Ovalipes	catharus
MNK319	Fellaster zelandiae (Gray, 1855)	Animalia	Echinodermata	Echinoidea	Clypasteroida	Arachnoididae	Fellaster	zelandiae
MNK319	Cominella adspersa (Brugière, 1789)	Animalia	Mollusca	Gastropoda	Neogastropoda	Buccinidae	Cominella	adspersa
MNK319	Dosinia subrosea (Gray, 1835)	Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	Dosinia	subrosea
MNK319	Pecten novaezelandiae Reeve, 1853	Animalia	Mollusca	Bivalvia	Ostreoida	Pectinidae	Pecten	novaezelandiae
MNK319	Turbo smaragdus Gmeiln, 1791	Animalia	Mollusca	Gastropoda	Neotaenioglossa	Turbinidae	Turbo	smaragdus
MNK319	Maoricolpus roseus (Quoy & Gaimard, 1834)	Animalia	Mollusca	Gastropoda	Neotaenioglossa	Turritellidae	Maoricolpus	roseus
MNK319	Unidentifiable	Unidentifiable						
MNK320	Protoperidinium sp. 2	Protozoa	Myzozoa	Dinophyceae	Peridinales	Peridiniaceae	Protoperidinium	sp2
MNK321	Maoricolpus roseus (Quoy & Gaimard, 1834)	Animalia	Mollusca	Gastropoda	Neotaenioglossa	Turritellidae	Maoricolpus	roseus
MNK321	Zegalerus tenuis (Gray, 1867)	Animalia	Mollusca	Gastropoda	Neotaenioglossa	Calyptaeidae	Zegalerus	tenuis
MNK321	Cysts	Protozoa						
MNK322	Cysts	Protozoa						
MNK323	Pelogenia antipoda Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Sigalionidae	Pelogenia	antipoda
MNK323	Aglaophamus macroura (Schmarda, 1861)	Animalia	Annelida	Polychaeta	Phyllodocida	Nephtyidae	Aglaophamus	macroura
MNK323	Amphicteis amphicteis-A undescribed	Animalia	Annelida	Polychaeta	Terebellida	Ampharetidae	Amphicteis	amphicteis-A
MNK323	Cossura consimilis Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK323	Glycinde trifida (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadiidae	Glycinde	trifida
MNK323	Owenia petersenae Koh & Baud, 2003	Animalia	Annelida	Polychaeta	Sabellida	Oweniidae	Owenia	petersenae
MNK323	Prionospio multicristata Hutchings & Rainer	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Prionospio	multicristata
MNK323	Streblosoma toddae Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddae
MNK323	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK323	Rhynchozoon	Animalia	Bryozoa	Stenolaemata	Cyclostomata	Phidoloporidae	Rhynchozoon	
MNK323	Alcyonium	Animalia	Bryozoa	Gymnolaemata	Ctenosomata	Alcyoniidae	Alcyonium	
MNK323	Conopeum oreiensis Uttley, 1951	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Electridae	Conopeum	oreiensis
MNK323	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK323	Acanthochitona zelandica (Quoy & Gaimard,	Animalia	Mollusca	Polyplacophora	Neoloricata	Acanthochitonidae	Acanthochitona	zelandica
MNK323	Macomona liliiana (Iredale, 1915)	Animalia	Mollusca	Bivalvia	Veneroida	Tellinidae	Macomona	liliiana
MNK323	Nucula hartvigiana Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK323	Ruditapes largillieri (Philippi, 1849)	Animalia	Mollusca	Bivalvia	Veneroida	Ruditapes	largillieri	
MNK323	Zegalerus tenuis (Gray, 1867)	Animalia	Mollusca	Gastropoda	Neotaenioglossa	Calyptaeidae	Zegalerus	tenuis
MNK323	Phoronis psammophila Cori, 1889	Animalia	Phoronida			Phoronidae	Phoronis	psammophila
MNK323	Apoglossum montagneanum (J. Agardh) J. Agardh	Plantae	Rhodophyta	Florideophyceae	Ceramiales	Delesseriaceae	Apoglossum	montagneanum
MNK323	Rhodymenia	Plantae	Rhodophyta	Florideophyceae	Rhodymeniales	Rhodymeniaceae	Rhodymenia	
MNK323	Ceramium	Plantae	Rhodophyta	Florideophyceae	Ceramiales	Ceramiaceae	Ceramium	
MNK323	Solieria alien sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Soliariaceae	Solieria	alien sp
MNK323	Unidentifiable	Unidentifiable						
MNK324	Amphicteis amphicteis-A undescribed	Animalia	Annelida	Polychaeta	Terebellida	Ampharetidae	Amphicteis	amphicteis-A
MNK324	Aglaophamus aglaophamus-A Undescribed	Animalia	Annelida	Polychaeta	Phyllodocida	Nephtyidae	Aglaophamus	aglaophamus-A
MNK324	Aglaophamus macroura (Schmarda, 1861)	Animalia	Annelida	Polychaeta	Phyllodocida	Nephtyidae	Aglaophamus	macroura
MNK324	Armandia maculata (Webster, 1884)	Animalia	Annelida	Polychaeta	Scolecida	Opheliidae	Armandia	maculata
MNK324	Glycinde trifida (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadiidae	Glycinde	trifida
MNK324	Lepidastheniella comma (Thomson, 1902)	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidastheniella	comma
MNK324	Lumbrineridae	Animalia	Annelida	Polychaeta	Eunicida	Lumbrineridae		
MNK324	Magelona dakini Jones, 1978	Animalia	Annelida	Polychaeta	Spionida	Magelonidae	Magelona	dakini
MNK324	Nereis falcaria Willey, 1905	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nereis	falcaria
MNK324	Owenia petersenae Koh & Baud, 2003	Animalia	Annelida	Polychaeta	Sabellida	Oweniidae	Owenia	petersenae
MNK324	Pirakia pirakia-A	Animalia	Annelida	Polychaeta	Phyllodocida	Phyllodocidae	Pirakia	pirakia-A

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK324	<i>Schistomerings loveni</i> (Kinberg, 1865)	Animalia	Annelida	Polychaeta	Eunicida	Dorvilleidae	Schistomerings	
MNK324	<i>Streblosoma toddae</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	
MNK324	Paradexamine sp.	Animalia	Arthropoda	Malacostraca	Amphipoda	Dexaminidae	Paradexamine	
MNK324	Parasterope sp.	Animalia	Arthropoda	Ostracoda	Myodocopida	Cylindroleberididae	Parasterope	
MNK324	<i>Gregarinidra</i> sp.	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Flustridae	Gregarinidra	
MNK324	Actiniaria	Animalia	Cnidaria	Anthozoa	Actiniaria			
MNK324	<i>Patiriella mortensenii</i> O'Loughlin, Waters & Roy, 2002	Animalia	Echinodermata	Asteroida	Valvatida	Asterinidae	Patiriella	mortensenii
MNK324	Chitonidae	Animalia	Mollusca	Polyplacophora	Neoliricata	Chitonidae		
MNK324	<i>Macomona liliiana</i> (Iredale, 1915)	Animalia	Mollusca	Bivalvia	Veneroida	Tellinidae	Macomona	liliiana
MNK324	<i>Maoricolpus roseus</i> (Quoy & Gaimard, 1834)	Animalia	Mollusca	Gastropoda	Neotaenioglossa	Turritellidae	Maoricolpus	roseus
MNK324	<i>Ruditapes largillierti</i> (Philippi, 1849)	Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	Ruditapes	largillierti
MNK324	<i>Zegalerus tenuis</i> (Gray, 1867)	Animalia	Mollusca	Gastropoda	Neotaenioglossa	Calyptraeidae	Zegalerus	tenuis
MNK324	<i>Apoglossum montagneanum</i> (J.Agardh) J.Agardh	Plantae	Rhodophyta	Florideophyceae	Ceramiales	Delesseriaceae	Apoglossum	
MNK324	<i>Gracilaria</i> sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK324	Rhodymenia	Plantae	Rhodophyta	Florideophyceae	Rhodymeniales	Rhodymeniaceae	Rhodymenia	
MNK324	<i>Solieria alien</i> sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Soliariaceae	Solieria	alien sp
MNK325	<i>Notomithrax minor</i> (Filhol, 1885)	Animalia	Arthropoda	Malacostraca	Decapoda	Majidae	Notomithrax	minor
MNK325	<i>Amphiura annulifera</i> Mortensen, 1924	Animalia	Echinodermata	Ophiuroidea	Ophiurida	Amphiuridae	Amphiura	annulifera
MNK325	<i>Cyclomactra ovata</i> (Gray, 1843)	Animalia	Mollusca	Bivalvia	Veneroida	Mactridae	Cyclomactra	ovata
MNK325	<i>Macomona liliiana</i> (Iredale, 1915)	Animalia	Mollusca	Bivalvia	Veneroida	Tellinidae	Macomona	liliiana
MNK325	<i>Nucula hartvigiana</i> Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK325	<i>Zenatia acinaces</i> (Quoy & Gaimard, 1835)	Animalia	Mollusca	Bivalvia	Veneroida	Mactridae	Zenatia	acinaces
MNK325	<i>Hymenena variolosa</i> (Harv.) Kylin	Plantae	Rhodophyta	Florideophyceae	Ceramiales	Delesseriaceae	Hymenena	variolosa
MNK325	<i>Apoglossum montagneanum</i> (J.Agardh) J.Agardh	Plantae	Rhodophyta	Florideophyceae	Ceramiales	Delesseriaceae	Apoglossum	
MNK325	Rhodymenia	Plantae	Rhodophyta	Florideophyceae	Rhodymeniales	Rhodymeniaceae	Rhodymenia	
MNK325	<i>Solieria alien</i> sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Soliariaceae	Solieria	alien sp
MNK329	Cysts	Protozoa	Protozoa					
MNK330	Cysts	Protozoa	Protozoa					
MNK331	<i>Protoperdinium</i> sp. 1	Protozoa	Myzozoa	Dinophyceae	Peridinales	Peridiniaceae	Protoperdinium	sp. 1
MNK331	Cysts	Protozoa	Protozoa					
MNK332	<i>Aglaophamus macroura</i> (Schmarda, 1861)	Animalia	Annelida	Polychaeta	Phyllodocida	Nephtyidae	Aglaophamus	macroura
MNK332	<i>Aricidea aricidea-B</i> undescribed	Animalia	Annelida	Polychaeta	Orbiniida	Paraonidae	Aricidea	aricidea-B
MNK332	<i>Glycinde trifida</i> (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadiidae	Glycinde	trifida
MNK332	<i>Magelona dakini</i> Jones, 1978	Animalia	Annelida	Polychaeta	Spionida	Magelonidae	Magelona	dakini
MNK332	Asciidiacea	Animalia	Chordata	Asciidiacea				
MNK332	Diadumenidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae		
MNK332	<i>Phoronis psammophila</i> Cori, 1889	Animalia	Phoronida			Phoronidae	Phoronis	psammophila
MNK332	Detritus	Detritus						
MNK333	Lumbrineridae	Animalia	Annelida	Polychaeta	Eunicida	Lumbrineridae		
MNK333	<i>Magelona dakini</i> Jones, 1978	Animalia	Annelida	Polychaeta	Spionida	Magelonidae	Magelona	dakini
MNK333	Parasterope sp.	Animalia	Arthropoda	Ostracoda	Myodocopida	Cylindroleberididae	Parasterope	
MNK333	<i>Dosinia subrosea</i> (Gray, 1835)	Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	Dosinia	subrosea
MNK333	<i>Phoronis psammophila</i> Cori, 1889	Animalia	Phoronida			Phoronidae	Phoronis	psammophila
MNK334	<i>Goniada grahami</i> Benham, 1932	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadiidae	Goniada	grahami
MNK334	<i>Aglaophamus macroura</i> (Schmarda, 1861)	Animalia	Annelida	Polychaeta	Phyllodocida	Nephtyidae	Aglaophamus	macroura
MNK334	Chaetozone chaetozone-1 Undescribed	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae	Chaetozone	chaetozone-1
MNK334	<i>Laticorophium baconi</i> (Shoemaker, 1934)	Animalia	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Laticorophium	baconi
MNK334	<i>Divalucina cumingi</i> (A. Adams & Angas, 1864)	Animalia	Mollusca	Bivalvia	Veneroida	Lucinidae	Divalucina	cumingi
MNK334	<i>Myadora striata</i> (Quoy & Gaimard, 1835)	Animalia	Mollusca	Bivalvia	Pholadomyoida	Myochamidae	Myadora	striata
MNK334	<i>Nucula hartvigiana</i> Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK334	<i>Phoronis psammophila</i> Cori, 1889	Animalia	Phoronida			Phoronidae	Phoronis	psammophila
MNK335	<i>Stephanopyxis turris</i> (Greville & Arnott) Ralfs 1861	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Stephanopyxidaceae	Stephanopyxis	turris
MNK335	<i>Actinoptychus senarius</i> (Ehrenberg) Ehrenberg 1843	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Heliopeltaceae	Actinoptychus	senarius
MNK335	<i>Coscinodiscus wailesii</i> Gran & Angst, 1931	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Coscinodiscaceae	Coscinodiscus	wailesii
MNK335	<i>Ditylum brightwelli</i> (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK335	<i>Lithodesmium undulatum</i> Ehrenberg 1839	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Lithodesmium	undulatum
MNK335	<i>Melosira</i> sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	
MNK335	<i>Odontella sinensis</i> (Greville) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Odontella	sinensis
MNK335	<i>Pleurosigma</i> sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculares	Pleurosigmataceae	Pleurosigma	
MNK335	<i>Thalassionema frauenfeldii</i> (Grunow) TempPre & Peragallo 1910	Chromista	Bacillariophyta	Fragilariophyceae	Thalassionemataceae	Thalassionemataceae	Thalassionema	frauenfeldii
MNK335	<i>Thalassiosira</i>	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Thalassiosiraceae	Thalassiosira	
MNK335	<i>Thalassiosira rotula</i> Meunier 1915	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Thalassiosiraceae	Thalassiosira	rotula
MNK338	Zooplankton	Animalia						
MNK339	Zooplankton	Animalia						
MNK340	Zooplankton	Animalia						
MNK343	Cysts	Protozoa						
MNK345	<i>Cossura consimilis</i> Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK345	<i>Magelona dakini</i> Jones, 1978	Animalia	Annelida	Polychaeta	Spionida	Magelonidae	Magelona	dakini
MNK345	<i>Nicon aestuariensis</i> Knox, 1951	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nicon	aestuariensis
MNK345	<i>Macomona lilliana</i> (Iredale, 1915)	Animalia	Mollusca	Bivalvia	Veneroida	Tellinidae	Macomona	lilliana
MNK345	<i>Ruditapes largillierti</i> (Philippi, 1849)	Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	Ruditapes	largillierti
MNK345	<i>Gracilaria</i> sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK346	<i>Magelona dakini</i> Jones, 1978	Animalia	Annelida	Polychaeta	Spionida	Magelonidae	Magelona	dakini
MNK346	<i>Isocladus</i> sp.	Animalia	Arthropoda	Malacostraca	Isopoda	Sphaeromatidae	Isocladus	
MNK346	<i>Macomona lilliana</i> (Iredale, 1915)	Animalia	Mollusca	Bivalvia	Veneroida	Tellinidae	Macomona	lilliana
MNK346	<i>Solieria alien</i> sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Soliariaceae	Solieria	alien sp
MNK347	<i>Asychis amphiglyptus</i> (Ehlers, 1897)	Animalia	Annelida	Polychaeta	Scolecida	Maldanidae	Asychis	amphiglyptus
MNK347	Aricidea aricidea-B undescribed	Animalia	Annelida	Polychaeta	Orbiniida	Paraonidae	Aricidea	aricidea-B
MNK347	<i>Cossura consimilis</i> Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK347	<i>Glycera lamelliformis</i> McIntosh, 1885	Animalia	Annelida	Polychaeta	Phyllodocida	Glyceridae	Glycera	lamelliformis
MNK347	<i>Glycinde trifida</i> (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadidae	Glycinde	trifida
MNK347	<i>Macrocythenella stewartensis</i> Augener 1926	Animalia	Annelida	Polychaeta	Scolecida	Maldanidae	Macrocythenella	stewartensis
MNK347	<i>Magelona dakini</i> Jones, 1978	Animalia	Annelida	Polychaeta	Spionida	Magelonidae	Magelona	dakini
MNK347	<i>Nicon aestuariensis</i> Knox, 1951	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nicon	aestuariensis
MNK347	Isopoda	Animalia	Arthropoda	Malacostraca	Isopoda			
MNK347	<i>Cymbicopia</i>	Animalia	Arthropoda	Ostracoda	Myodocopida	Sarsiellidae	Cymbicopia	
MNK347	<i>Macrophthalmus hirtipes</i> (Jacquinot, 1853)	Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	Macrophthalmus	hirtipes
MNK347	<i>Torridoharpinia hurleyi</i> (Barnard, 1958)	Animalia	Arthropoda	Malacostraca	Amphipoda	Phoxocephalidae	Torridoharpinia	hurleyi
MNK347	<i>Cryptosula pallasiana</i> (Moll, 1803)	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Cryptosulidae	Cryptosula	pallasiana
MNK347	<i>Conopeum oreiensis</i> Uttley, 1951	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Electridiae	Conopeum	oreiensis
MNK347	<i>Cyclomactra ovata</i> (Gray, 1843)	Animalia	Mollusca	Bivalvia	Veneroida	Mactridae	Cyclomactra	ovata
MNK347	<i>Macomona lilliana</i> (Iredale, 1915)	Animalia	Mollusca	Bivalvia	Veneroida	Tellinidae	Macomona	lilliana
MNK347	<i>Phoronis psammophila</i> Cori, 1889	Animalia	Phoronida			Phoronidae	Phoronis	psammophila
MNK347	<i>Solieria alien</i> sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Soliariaceae	Solieria	alien sp
MNK348	<i>Actinoptychus senarius</i> (Ehrenberg) Ehrenberg 1843	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Heliopeltaceae	Actinoptychus	senarius
MNK348	<i>Bacillaria Paxillifera</i> (Mueller) Hendey, 1951	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Bacillaria	paxillifera
MNK348	<i>Chaetoceros affine</i> Lauder 1864	Chromista	Bacillariophyta	Coscinodiscophyceae	Chaetoceratales	Chaetocerataceae	Chaetoceros	affine
MNK348	<i>Coscinodiscus wailesii</i> Gran & Angst, 1931	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Coscinodiscaceae	Coscinodiscus	wailesii
MNK348	<i>Ditylum brightwelli</i> (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK348	<i>Gyrosigma</i> sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculares	Pleurosigmataceae	Gyrosigma	

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK348	<i>Lithodesmium undulatum</i> Ehrenberg 1839	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Lithodesmium	undulatum
MNK348	<i>Melosira</i> sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	
MNK348	<i>Pleurosigma</i> sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK348	<i>Triceratium favus</i> Ehrenberg 1839	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratales	Triceratiaceae	Triceratium	favus
MNK348	<i>Triceratium favus</i> Ehrenberg 1839	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratales	Triceratiaceae	Triceratium	favus
MNK349	<i>Hyalodiscus</i> sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Hyalodiscaceae	Hyalodiscus	
MNK349	<i>Actinptychus senarius</i> (Ehrenberg) Ehrenberg 1843	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Heliopeltaceae	Actinptychus	senarius
MNK349	<i>Ditylum brightwelli</i> (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK349	<i>Gyrosigma</i> sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK349	<i>Lithodesmium undulatum</i> Ehrenberg 1839	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Lithodesmium	undulatum
MNK349	<i>Nitzschia</i> sp.	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	
MNK349	<i>Odontella sinensis</i> (Greville) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratales	Triceratiaceae	Odontella	sinensis
MNK349	<i>Pleurosigma</i> sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK349	<i>Skeletonema costatum</i> (Greville) Cleve 1873	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Skeletonemaceae	Skeletonema	costatum
MNK349	<i>Thalassiosira</i>	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	
MNK349	<i>Thalassiosira rotula</i> Meunier 1915	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	rotula
MNK350	<i>Actinptychus senarius</i> (Ehrenberg) Ehrenberg 1843	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Heliopeltaceae	Actinptychus	senarius
MNK350	<i>Coscinodiscus wailesii</i> Gran & Angst, 1931	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Coscinodiscaceae	Coscinodiscus	wailesii
MNK350	<i>Gyrosigma</i> sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK350	<i>Lithodesmium undulatum</i> Ehrenberg 1839	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Lithodesmium	undulatum
MNK350	<i>Nitzschia</i> sp.	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	
MNK350	<i>Odontella sinensis</i> (Greville) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratales	Triceratiaceae	Odontella	sinensis
MNK350	<i>Pleurosigma</i> sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK350	<i>Rhizosolenia setigera</i> Brightwell 1858	Chromista	Bacillariophyta	Coscinodiscophyceae	Rhizosoleniales	Rhizosoleniaceae	Rhizosolenia	setigera
MNK350	<i>Thalassionema</i> sp.	Chromista	Bacillariophyta	Fragilarophyceae	Thalassionemales	Thalassionemataceae	Thalassionema	
MNK350	<i>Thalassiosira</i>	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	
MNK350	<i>Thalassiosira rotula</i> Meunier 1915	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	rotula
MNK351	Zooplankton	Animalia						
MNK352	Cysts	Protozoa						
MNK352	Zooplankton	Animalia						
MNK353	Zooplankton	Animalia						
MNK355	Cysts	Protozoa						
MNK356	Cysts	Protozoa						
MNK356	Cysts	Protozoa						
MNK357	Cysts	Protozoa						
MNK358	<i>Boccardia syrtis</i> (Rainer, 1973)	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Boccardia	syrtis
MNK358	<i>Cossura consimilis</i> Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK358	<i>Glycera lamelliformis</i> McIntosh, 1885	Animalia	Annelida	Polychaeta	Phyllodocida	Glyceridae	Glycera	lamelliformis
MNK358	<i>Glycinde trifida</i> (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadidae	Glycinde	trifida
MNK358	Lumbrineridae	Animalia	Annelida	Polychaeta	Eunicida	Lumbrineridae		
MNK358	<i>Macroclymenella stewartensis</i> Augener 1926	Animalia	Annelida	Polychaeta	Scolecida	Maldanidae	Macroclymenella	stewartensis
MNK358	<i>Magelona dakini</i> Jones, 1978	Animalia	Annelida	Polychaeta	Spionida	Magelonidae	Magelona	dakini
MNK358	<i>Marphysa capensis</i> (Schmarda, 1861)	Animalia	Annelida	Polychaeta	Eunicida	Eunicidae	Marphysa	capensis
MNK358	<i>Owenia petersenae</i> Koh & Baud, 2003	Animalia	Annelida	Polychaeta	Sabellida	Oweniidae	Owenia	petersenae
MNK358	<i>Prionospio multicristata</i> Hutchings & Rainer	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Prionospio	multicristata
MNK358	<i>Streblosoma toddae</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddae
MNK358	<i>Hemigrapsus crenulatus</i> (Milne Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Varunidae	Hemigrapsus	crenulatus
MNK358	<i>Cyclomactra ovata</i> (Gray, 1843)	Animalia	Mollusca	Bivalvia	Veneroida	Mactridae	Cyclomactra	ovata
MNK358	<i>Nucula hartvigiana</i> Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK358	<i>Ruditapes largillieri</i> (Philippi, 1849)	Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	Ruditapes	largillieri

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK358	Zegalerus tenuis (Gray, 1867)	Animalia	Mollusca	Gastropoda	Neotaenioglossa	Calyptraeidae	Zegalerus	tenuis
MNK358	Phoronis psammophila Cori, 1889	Animalia	Phoronida			Phoronidae	Phoronis	psammophila
MNK358	Gracilaria sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK359	Amphicteis amphicteis-A undescribed	Animalia	Annelida	Polychaeta	Terebellida	Ampharetidae	Amphicteis	amphicteis-A
MNK359	Boccardia syrtis (Rainer, 1973)	Animalia	Annelida	Polychaeta	Spironida	Spironidae	Boccardia	syrtis
MNK359	Cossura consimilis Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK359	Glycinde trifida (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadidae	Glycinde	trifida
MNK359	Heteromastus filiformis (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK359	Macroclymenella stewartensis Augener 1926	Animalia	Annelida	Polychaeta	Scolecida	Maldanidae	Macroclymenella	stewartensis
MNK359	Magelona dakini Jones, 1978	Animalia	Annelida	Polychaeta	Spironida	Magelonidae	Magelona	dakini
MNK359	Owenia petersenae Koh & Baud, 2003	Animalia	Annelida	Polychaeta	Sabellida	Oweniidae	Owenia	petersenae
MNK359	Schistomerings loveni (Kinberg, 1865)	Animalia	Annelida	Polychaeta	Eunicida	Dorvilleidae	Schistomerings	loveni
MNK359	Streblosoma toddae Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddae
MNK359	Halicarcinus varius (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Halicarcinus	varius
MNK359	Cominella adspersa (Brugière, 1789)	Animalia	Mollusca	Gastropoda	Neogastropoda	Buccinidae	Cominella	adspersa
MNK359	Cyclomactra ovata (Gray, 1843)	Animalia	Mollusca	Bivalvia	Veneroida	Mactridae	Cyclomactra	ovata
MNK359	Phoronis psammophila Cori, 1889	Animalia	Phoronida			Phoronidae	Phoronis	psammophila
MNK359	Gracilaria sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK360	Owenia petersenae Koh & Baud, 2003	Animalia	Annelida	Polychaeta	Sabellida	Oweniidae	Owenia	petersenae
MNK360	Pectinaria australis Ehlers, 1904	Animalia	Annelida	Polychaeta	Terebellida	Pectinariidae	Pectinaria	australis
MNK360	Amphicteis amphicteis-A undescribed	Animalia	Annelida	Polychaeta	Terebellida	Ampharetidae	Amphicteis	amphicteis-A
MNK360	Aricidea aricidea-B undescribed	Animalia	Annelida	Polychaeta	Orbiniida	Paraonidae	Aricidea	aricidea-B
MNK360	Boccardia syrtis (Rainer, 1973)	Animalia	Annelida	Polychaeta	Spironida	Spironiidae	Boccardia	syrtis
MNK360	Cossura consimilis Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK360	Glycera lamelliformis McIntosh, 1885	Animalia	Annelida	Polychaeta	Phyllodocida	Glyceridae	Glycera	lamelliformis
MNK360	Glycinde trifida (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadiidae	Glycinde	trifida
MNK360	Labiosthenolepis laevis (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Sigalionidae	Labiosthenolepis	laevis
MNK360	Lumbrineridae	Animalia	Annelida	Polychaeta	Eunicida	Lumbrineridae		
MNK360	Magelona dakini Jones, 1978	Animalia	Annelida	Polychaeta	Spironida	Magelonidae	Magelona	dakini
MNK360	Prionospio multicristata Hutchings & Rainer	Animalia	Annelida	Polychaeta	Spironida	Spironiidae	Prionospio	multicristata
MNK360	Streblosoma toddae Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddae
MNK360	Natatalana Bruce, 1981	Animalia	Arthropoda	Malacostraca	Isopoda	Cirolanidae	Natatalana	
MNK360	Caprella equilibra Say, 1818	Animalia	Arthropoda	Malacostraca	Amphipoda	Caprellidae	Caprella	equilibra
MNK360	Natatalana Bruce, 1981	Animalia	Arthropoda	Malacostraca	Isopoda	Cirolanidae	Natatalana	
MNK360	Cyclomactra ovata (Gray, 1843)	Animalia	Mollusca	Bivalvia	Veneroida	Mactridae	Cyclomactra	ovata
MNK360	Phoronis psammophila Cori, 1889	Animalia	Phoronida			Phoronidae	Phoronis	psammophila
MNK360	Gracilaria sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK360	Solieria alien sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Soliariaceae	Solieria	alien sp
MNK361	Coscinodiscus	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodisciales	Coscinodiscaceae	Coscinodiscus	
MNK361	Ditylum brightwelli (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK361	Gyrosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK361	Pleurosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK361	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Thalassiosiraceae	Thalassiosira	
MNK364	Cysts	Protozoa						
MNK365	Polychaeta	Animalia	Annelida	Polychaeta				
MNK365	Solieria alien sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Soliariaceae	Solieria	alien sp
MNK365	Unidentifiable	Unidentifiable						
MNK366	Urothoe sp.	Animalia	Arthropoda	Malacostraca	Amphipoda	Urothoidae	Urothoe	
MNK366	Conopeum seurati (Canu, 1908)	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Electridae	Conopeum	seurati
MNK366	Rhynchozoon	Animalia	Bryozoa	Stenolaemata	Cyclostomata	Phidoloporidae	Rhynchozoon	

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK366	<i>Smittina torques</i> Powell, 1967	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Smittinidae	Smittina	torques
MNK366	<i>Amphiura annulifera</i> Mortensen, 1924	Animalia	Echinodermata	Ophiuroidea	Ophiurida	Amphiuridae	Amphiura	annulifera
MNK366	<i>Dosinia subrosea</i> (Gray, 1835)	Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	Dosinia	subrosea
MNK366	Detritus	Detritus						
MNK367	<i>Aglaophamus aglaophamus</i> -A Undescribed	Animalia	Annelida	Polychaeta	Phyllodocida	Nephtyidae	Aglaophamus	aglaophamus-A
MNK367	Aricidea aricidea-B undescribed	Animalia	Annelida	Polychaeta	Orbiniida	Paraonidae	Aricidea	aricidea-B
MNK367	<i>Magelona dakini</i> Jones, 1978	Animalia	Annelida	Polychaeta	Spionida	Magelonidae	Magelona	dakini
MNK367	<i>Ophiodromus angustifrons</i> (Grube, 1878)	Animalia	Annelida	Polychaeta	Phyllodocida	Hesionidae	Ophiodromus	angustifrons
MNK367	<i>Phoronis psammophila</i> Cori, 1889	Animalia	Phoronida			Phoronidae	Phoronis	psammophila
MNK368	<i>Actinoptychus senarius</i> (Ehrenberg) Ehrenberg 1843	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Heliopeitaceae	Actinoptychus	senarius
MNK368	<i>Coscinodiscus wailesii</i> Gran & Angst, 1931	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Coscinodiscaceae	Coscinodiscus	wailesii
MNK368	<i>Ditylum brightwelli</i> (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK368	<i>Gyrosigma</i> sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK368	<i>Lithodesmium undulatum</i> Ehrenberg 1839	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Lithodesmium	undulatum
MNK368	<i>Melosira</i> sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	
MNK368	<i>Pleurosigma</i> sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK368	<i>Thalassionema nitzschiooides</i> (Grunow) Mereschkowsky 1902	Chromista	Bacillariophyta	Fragilarophyceae	Thalassionemales	Thalassionemataceae	Thalassionema	nitzschiooides
MNK368	<i>Thalassiosira</i>	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	
MNK368	<i>Thalassiosira rotula</i> Meunier 1915	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	rotula
MNK369	<i>Actinoptychus senarius</i> (Ehrenberg) Ehrenberg 1843	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Heliopeitaceae	Actinoptychus	senarius
MNK369	<i>Bacillaria paxillifer</i> (Mueller) Hendey, 1951	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Bacillaria	paxillifer
MNK369	<i>Ditylum brightwelli</i> (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK369	<i>Gyrosigma</i> sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK369	<i>Lithodesmium undulatum</i> Ehrenberg 1839	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Lithodesmium	undulatum
MNK369	<i>Melosira</i> sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	
MNK369	<i>Nitzschia</i> sp.	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	
MNK369	<i>Odontella sinensis</i> (Greville) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Odontella	sinensis
MNK369	<i>Pleurosigma</i> sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK369	<i>Stephanopyxis turris</i> (Greville & Arnott) Ralfs 1861	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Stephanopyxidaceae	Stephanopyxis	turris
MNK369	<i>Thalassiosira</i>	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	
MNK369	<i>Thalassiosira rotula</i> Meunier 1915	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	rotula
MNK370	<i>Ditylum brightwelli</i> (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK370	<i>Gyrosigma</i> sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK370	<i>Odontella sinensis</i> (Greville) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Odontella	sinensis
MNK370	<i>Pleurosigma</i> sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK370	<i>Thalassionema</i> sp.	Chromista	Bacillariophyta	Fragilarophyceae	Thalassionemales	Thalassionemataceae	Thalassionema	
MNK370	<i>Thalassiosira</i>	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	
MNK370	<i>Thalassiosira rotula</i> Meunier 1915	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	rotula
MNK371	Zooplankton	Animalia						
MNK372	Zooplankton	Animalia						
MNK373	Zooplankton	Animalia						
MNK375	Cysts	Protozoa						
MNK376	Cysts	Protozoa						
MNK377	Cysts	Protozoa						
MNK378	<i>Labiosthenolepis laevis</i> (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Sigalionidae	Labiosthenolepis	laevis
MNK378	<i>Carazziella philipensis</i> Blake & Kudenov, 1978	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Carazziella	philipensis
MNK378	<i>Cossura consimilis</i> Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK378	<i>Lepidastheniella comma</i> (Thomson, 1902)	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidastheniella	comma
MNK378	<i>Magelona dakini</i> Jones, 1978	Animalia	Annelida	Polychaeta	Spionida	Magelonidae	Magelona	dakini
MNK378	<i>Ophiodromus angustifrons</i> (Grube, 1878)	Animalia	Annelida	Polychaeta	Phyllodocida	Hesionidae	Ophiodromus	angustifrons

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK378	Owenia petersenae Koh & Bhaud, 2003	Animalia	Annelida	Polychaeta	Sabellida	Oweniidae	Owenia	petersenae
MNK378	Parasterope sp.	Animalia	Arthropoda	Ostracoda	Myodocopida	Cylindroleberididae	Parasterope	
MNK378	Torridoharpinia hurleyi (Barnard, 1958)	Animalia	Arthropoda	Malacostraca	Amphipoda	Phoxocephalidae	Torridoharpinia	hurleyi
MNK378	Akatopora circumsaepa (Uttley, 1951)	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Antroporidae	Akatopora	circumsaepa
MNK378	Cyclomactra ovata (Gray, 1843)	Animalia	Mollusca	Bivalvia	Veneroida	Mactridae	Cyclomactra	ovata
MNK378	Phoronis psammophila Cori, 1889	Animalia	Phoronida			Phoronidae	Phoronis	psammophila
MNK378	Solieria alien sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Soliariaceae	Solieria	alien sp
MNK379	Aglaophamus verrilli McIntosh, 1885	Animalia	Annelida	Polychaeta	Phyllodocida	Nephtyidae	Aglaophamus	verrilli
MNK379	Cossura consimilis Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK379	Labiosthenolepis laevis (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Sigalionidae	Labiosthenolepis	laevis
MNK379	Ophiodromus angustifrons (Grube, 1878)	Animalia	Annelida	Polychaeta	Phyllodocida	Hesionidae	Ophiodromus	angustifrons
MNK379	Phoronis psammophila Cori, 1889	Animalia	Phoronida			Phoronidae	Phoronis	psammophila
MNK379	Solieria alien sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Soliariaceae	Solieria	alien sp
MNK380	Glycera ovigera Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Glyceridae	Glycera	ovigera
MNK380	Ophiodromus angustifrons (Grube, 1878)	Animalia	Annelida	Polychaeta	Phyllodocida	Hesionidae	Ophiodromus	angustifrons
MNK380	Streblosoma toddae Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddae
MNK380	Monocorophium acherusicum (Costa, 1857)	Animalia	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Monocorophium	acherusicum
MNK380	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK380	Macomona lilliana (Iredale, 1915)	Animalia	Mollusca	Bivalvia	Veneroida	Tellinidae	Macomona	lilliana
MNK380	Nucula hartvigiana Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK380	Ruditapes largillieri (Philippi, 1849)	Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	Ruditapes	largillieri
MNK380	Sigapatella novaezelandiae (Lesson, 1830)	Animalia	Mollusca	Gastropoda	Neotaenioglossa	Calyptaeidae	Sigapatella	novaezelandiae
MNK380	Phoronis psammophila Cori, 1889	Animalia	Phoronida			Phoronidae	Phoronis	psammophila
MNK380	Solieria alien sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Soliariaceae	Solieria	alien sp
MNK382	Cysts	Protozoa						
MNK383	Cysts	Protozoa						
MNK384	Cysts	Protozoa						
MNK385	Cysts	Protozoa						
MNK386	Cysts	Protozoa						
MNK387	Cysts	Protozoa						
MNK388	Megalomma sp.	Animalia	Annelida	Polychaeta	Sabellida	Sabellidae	Megalomma	
MNK388	Pista pegma Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Pista	pegma
MNK388	Sphaerosyllis sp.	Animalia	Annelida	Polychaeta	Phyllodocida	Syllidae	Sphaerosyllis	
MNK388	Armandia maculata (Webster, 1884)	Animalia	Annelida	Polychaeta	Scolecida	Opheliidae	Armandia	maculata
MNK388	Carazzia philippensis Blake & Kudennov, 1978	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Carazzia	philippensis
MNK388	Euclymene insecta (Ehlers, 1904)	Animalia	Annelida	Polychaeta	Scolecida	Maldanidae	Euclymene	insecta
MNK388	Glycera ovigera Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Glyceridae	Glycera	ovigera
MNK388	Heteromastus filiformis (Claparedede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK388	Lumbrineridae	Animalia	Annelida	Polychaeta	Eunicida	Lumbrineridae		
MNK388	Notomastus Notomastus-B Read, undescribed	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Notomastus	Notomastus-B
MNK388	Prionospio multicristata Hutchings & Rainer	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Prionospio	multicristata
MNK388	Neohymenicus pubescens (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK388	Paguristes setosus (Milne Edwards, 1848)	Animalia	Arthropoda	Malacostraca	Decapoda	Diogenidae	Paguristes	setosus
MNK388	Parasterope sp.	Animalia	Arthropoda	Ostracoda	Myodocopida	Cylindroleberididae	Parasterope	
MNK388	Beania elongata (Hincks, 1885)	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Beaniidae	Beania	elongata
MNK388	Beania intermedia (Hincks, 1881)	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Beaniidae	Beania	intermedia
MNK388	Fenestrulina sp.	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Microporellidae	Fenestrulina	
MNK388	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK388	Leptochiton inquinatus (Reeve, 1847)	Animalia	Mollusca	Polyplacophora	Lepidopleurina	Leptochitonidae	Leptochiton	inquinatus
MNK388	Leptomya retiaria (Hutton, 1835)	Animalia	Mollusca	Bivalvia	Veneroida	Semelidae	Leptomya	retiaria

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK388	<i>Nucula hartvigiana</i> Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK388	<i>Ruditapes largillieri</i> (Philippi, 1849)	Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	Ruditapes	largillieri
MNK388	<i>Nemertea</i>	Animalia	Nemertea					
MNK388	<i>Phoronis psammophila</i> Cori, 1889	Animalia	Phoronida			Phoronidae	Phoronis	psammophila
MNK388	Corallinaceae	Plantae	Rhodophyta	Florideophyceae	Corallinales	Corallinaceae		
MNK388	Dipterosiphonia heteroclada (J.Agardh) Falkenb.	Plantae	Rhodophyta	Florideophyceae	Ceramiales	Rhodomelaceae	Dipterosiphonia	heteroclada
MNK388	Ceramium	Plantae	Rhodophyta	Florideophyceae	Ceramiales	Ceramiaceae	Ceramium	
MNK389	<i>Euclymene insecta</i> (Ehlers, 1904)	Animalia	Annelida	Polychaeta	Scolecida	Maldanidae	Euclymene	insecta
MNK389	<i>Hemipodus simplex</i> Grube, 1857	Animalia	Annelida	Polychaeta	Phyllodocida	Glyceridae	Hemipodus	simplex
MNK389	Notomastus Notomastus-B Read, undescribed	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Notomastus	Notomastus-B
MNK389	Ophiodromus angustifrons (Grube, 1878)	Animalia	Annelida	Polychaeta	Phyllodocida	Hesionidae	Ophiodromus	angustifrons
MNK389	Pirakia pirakia-A	Animalia	Annelida	Polychaeta	Phyllodocida	Phyllodocidae	Pirakia	pirakia-A
MNK389	Platynereis australis group	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Platynereis	australis group
MNK389	Schistomerings loveni (Kinberg, 1865)	Animalia	Annelida	Polychaeta	Eunicida	Dorvilleidae	Schistomerings	loveni
MNK389	<i>Armandia maculata</i> (Webster, 1884)	Animalia	Annelida	Polychaeta	Scolecida	Ophelliidae	Armandia	maculata
MNK389	<i>Glycera ovigera</i> Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Glyceridae	Glycera	ovigera
MNK389	<i>Glycinde trifida</i> (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadidae	Glycinde	trifida
MNK389	<i>Lepidonotus polychromus</i> Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK389	Lumbrineridae	Animalia	Annelida	Polychaeta	Eunicida	Lumbrineridae		
MNK389	<i>Nereis falcaria</i> Willey, 1905	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nereis	falcaria
MNK389	<i>Owenia petersenae</i> Koh & Baud, 2003	Animalia	Annelida	Polychaeta	Sabellida	Oweniidae	Owenia	petersenae
MNK389	Pelogenia antipoda Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Sigalionidae	Pelogenia	antipoda
MNK389	Prionospio multicristata Hutchings & Rainer	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Prionospio	multicristata
MNK389	Sphaerosyllis sp.	Animalia	Annelida	Polychaeta	Phyllodocida	Syllidae	Sphaerosyllis	
MNK389	<i>Streblosoma toddae</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddae
MNK389	<i>Timarete anchylochaetus</i> (Schmarda, 1861)	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae	Timarete	ancylochaetus
MNK389	<i>Neohymenicus pubescens</i> (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK389	<i>Pagurus novizealandiae</i> (Dana, 1852)	Animalia	Arthropoda	Malacostraca	Decapoda	Paguridae	Pagurus	novizealandiae
MNK389	Parasterope sp.	Animalia	Arthropoda	Ostracoda	Myodocopida	Cylindroleberididae	Parasterope	
MNK389	<i>Leptomya retiaria</i> (Hutton, 1835)	Animalia	Mollusca	Bivalvia	Veneroida	Semelidae	Leptomya	retiaria
MNK389	<i>Nucula hartvigiana</i> Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK389	<i>Sigapatella novaezelandiae</i> (Lesson, 1830)	Animalia	Mollusca	Gastropoda	Neotaenioglossa	Calyptaeidae	Sigapatella	novaezelandiae
MNK389	<i>Phoronis psammophila</i> Cori, 1889	Animalia	Phoronida			Phoronidae	Phoronis	psammophila
MNK389	Dasya sp.	Plantae	Rhodophyta	Florideophyceae	Ceramiales	Dasyaceae	Dasya	
MNK389	Corallinaceae	Plantae	Rhodophyta	Florideophyceae	Corallinales	Corallinaceae		
MNK389	Dipterosiphonia heteroclada (J.Agardh) Falkenb.	Plantae	Rhodophyta	Florideophyceae	Ceramiales	Rhodomelaceae	Dipterosiphonia	heteroclada
MNK389	Gracilaria sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK389	<i>Hymenena variolosa</i> (Harv.) Kylin	Plantae	Rhodophyta	Florideophyceae	Ceramiales	Delesseriaceae	Hymenena	variolosa
MNK390	<i>Armandia maculata</i> (Webster, 1884)	Animalia	Annelida	Polychaeta	Scolecida	Ophelliidae	Armandia	maculata
MNK390	<i>Euclymene insecta</i> (Ehlers, 1904)	Animalia	Annelida	Polychaeta	Scolecida	Maldanidae	Euclymene	insecta
MNK390	<i>Ophiodromus angustifrons</i> (Grube, 1878)	Animalia	Annelida	Polychaeta	Phyllodocida	Hesionidae	Ophiodromus	angustifrons
MNK390	<i>Owenia petersenae</i> Koh & Baud, 2003	Animalia	Annelida	Polychaeta	Sabellida	Oweniidae	Owenia	petersenae
MNK390	Pelogenia antipoda Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Sigalionidae	Pelogenia	antipoda
MNK390	Pirakia pirakia-A	Animalia	Annelida	Polychaeta	Phyllodocida	Phyllodocidae	Pirakia	pirakia-A
MNK390	Decapoda	Animalia	Arthropoda	Malacostraca	Decapoda			
MNK390	<i>Notomithrax minor</i> (Filhol, 1885)	Animalia	Arthropoda	Malacostraca	Decapoda	Majidae	Notomithrax	minor
MNK390	Parasterope sp.	Animalia	Arthropoda	Ostracoda	Myodocopida	Cylindroleberididae	Parasterope	
MNK390	<i>Petrolisthes elongatus</i> (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK390	<i>Beania plurispinosa</i> Uttley & Bullivant, 1972	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Beaniidae	Beania	plurispinosa
MNK390	<i>Odontoporella bishopi</i> Carter & Gordon, 2007	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Hippoporididae	Odontoporella	bishopi

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK390	<i>Beania elongata</i> (Hincks, 1885)	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Beaniidae	Beania	elongata
MNK390	Cladophora sp.	Plantae	Chlorophyta	Ulvophyceae	Cladophorales	Cladophoraceae	Cladophora	
MNK390	Chitonidae	Animalia	Mollusca	Polyplacophora	Neoloricata	Chitonidae		
MNK390	<i>Nucula hartvigiana</i> Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK390	<i>Ruditapes largillierti</i> (Philippi, 1849)	Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	Ruditapes	largillierti
MNK390	Sphaelaria sp.	Chromista	Ochrophyta	Phaeophyceae	Sphaelariales	Sphaelariaceae	Sphaelaria	
MNK390	<i>Phoronis psammophila</i> Cori, 1889	Animalia	Phoronida			Phoronidae	Phoronis	psammophila
MNK390	<i>Acrosorium venulosum</i> (Zanardini) Kylin	Plantae	Rhodophyta	Florideophyceae	Ceramiales	Delesseriaceae	Acrosorium	venulosum
MNK390	<i>Corallina officinalis</i> L.	Plantae	Rhodophyta	Florideophyceae	Corallinales	Corallinaceae	Corallina	officinalis
MNK390	Corallinaceae	Plantae	Rhodophyta	Florideophyceae	Corallinales	Corallinaceae		
MNK390	Dasya sp.	Plantae	Rhodophyta	Florideophyceae	Ceramiales	Dasyaceae	Dasya	
MNK390	<i>Dipterosiphonia heteroclada</i> (J.Agardh) Falkenb.	Plantae	Rhodophyta	Florideophyceae	Ceramiales	Rhodomelaceae	Dipterosiphonia	heteroclada
MNK390	Plocamium sp.	Plantae	Rhodophyta	Florideophyceae	Plocamiales	Plocamiaceae	Plocamium	
MNK391	<i>Neanthes kerguelensis</i> (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Neanthes	kerguelensis
MNK391	<i>Timarete anchylochaetus</i> (Schmarda, 1861)	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae	Timarete	anchylochaetus
MNK391	Amphicteis amphicteis-A undescribed	Animalia	Annelida	Polychaeta	Terebellida	Amphicteidae	Amphicteis	amphicteis-A
MNK391	<i>Armandia maculata</i> (Webster, 1884)	Animalia	Annelida	Polychaeta	Scolecida	Opheliidae	Armandia	maculata
MNK391	<i>Euclymene insecta</i> (Ehlers, 1904)	Animalia	Annelida	Polychaeta	Scolecida	Maldanidae	Euclymene	insecta
MNK391	<i>Glycera lamelliformis</i> McIntosh, 1885	Animalia	Annelida	Polychaeta	Phyllodocida	Glyceridae	Glycera	lamelliformis
MNK391	<i>Heteromastus filiformis</i> (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK391	<i>Owenia petersenae</i> Koh & Baud, 2003	Animalia	Annelida	Polychaeta	Sabellida	Oweniidae	Owenia	petersenae
MNK391	<i>Prionospio multicristata</i> Hutchings & Rainer	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Prionospio	multicristata
MNK391	<i>Paguristes setosus</i> (Milne Edwards, 1848	Animalia	Arthropoda	Malacostraca	Decapoda	Diogenidae	Paguristes	setosus
MNK391	Parasterope sp.	Animalia	Arthropoda	Ostracoda	Myodocopida	Cylindroleberididae	Parasterope	
MNK391	<i>Torridoharpinia hurleyi</i> (Barnard, 1958)	Animalia	Arthropoda	Malacostraca	Amphipoda	Phoxocephalidae	Torridoharpinia	hurleyi
MNK391	<i>Rhyssoplax aerea</i> (Reeve, 1847)	Animalia	Mollusca	Polyplacophora	Neoloricata	Chitonidae	Rhyssoplax	aerea
MNK391	Sypharochiton	Animalia	Mollusca	Polyplacophora	Neoloricata	Chitonidae	Sypharochiton	
MNK391	<i>Nucula hartvigiana</i> Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK391	<i>Ruditapes largillierti</i> (Philippi, 1849)	Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	Ruditapes	largillierti
MNK391	<i>Zegalerus tenuis</i> (Gray, 1867)	Animalia	Mollusca	Gastropoda	Neotaenioglossa	Calyptraeidae	Zegalerus	tenuis
MNK391	Dasya sp.	Plantae	Rhodophyta	Florideophyceae	Ceramiales	Dasyaceae	Dasya	
MNK391	<i>Dipterosiphonia heteroclada</i> (J.Agardh) Falkenb.	Plantae	Rhodophyta	Florideophyceae	Ceramiales	Rhodomelaceae	Dipterosiphonia	heteroclada
MNK391	Rhodymenia	Plantae	Rhodophyta	Florideophyceae	Rhodymeniales	Rhodymeniaceae	Rhodymenia	
MNK392	<i>Paguristes setosus</i> (Milne Edwards, 1848	Animalia	Arthropoda	Malacostraca	Decapoda	Diogenidae	Paguristes	setosus
MNK392	Parasterope sp.	Animalia	Arthropoda	Ostracoda	Myodocopida	Cylindroleberididae	Parasterope	
MNK392	Gregarinidra sp.	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Flustridae	Gregarinidra	
MNK392	<i>Cnemidocarpa bicornuta</i> (Sluiter, 1900)	Animalia	Chordata	Asciidiacea	Pleurogona	Styelidae	Cnemidocarpa	bicornuta
MNK392	Leptomya	Animalia	Mollusca	Bivalvia	Veneroida	Semelidae	Leptomya	
MNK392	<i>Maoricolpus</i> sp.	Animalia	Mollusca	Gastropoda	Neotaenioglossa	Turritellidae	Maoricolpus	
MNK392	<i>Leptomya retiaria</i> (Hutton, 1835)	Animalia	Mollusca	Bivalvia	Veneroida	Semelidae	Leptomya	retiaria
MNK392	<i>Nucula hartvigiana</i> Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK392	<i>Ruditapes largillierti</i> (Philippi, 1849)	Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	Ruditapes	largillierti
MNK392	<i>Sypharochiton pellerserpentis</i> (Quoy & Gaimard, 1835)	Animalia	Mollusca	Polyplacophora	Neoloricata	Chitonidae	Sypharochiton	pellerserpentis
MNK392	Sphaelaria sp.	Chromista	Ochrophyta	Phaeophyceae	Sphaelariales	Sphaelariaceae	Sphaelaria	
MNK392	Dasya sp.	Plantae	Rhodophyta	Florideophyceae	Ceramiales	Dasyaceae	Dasya	
MNK392	<i>Dipterosiphonia heteroclada</i> (J.Agardh) Falkenb.	Plantae	Rhodophyta	Florideophyceae	Ceramiales	Rhodomelaceae	Dipterosiphonia	heteroclada
MNK392	<i>Hymenena variolosa</i> (Harv.) Kylin	Plantae	Rhodophyta	Florideophyceae	Ceramiales	Delesseriaceae	Hymenena	variolosa
MNK392	Rhodymenia	Plantae	Rhodophyta	Florideophyceae	Rhodymeniales	Rhodymeniaceae	Rhodymenia	
MNK393	Glycera sp.	Animalia	Annelida	Polychaeta	Phyllodocida	Glyceridae	Glycera	
MNK393	Amphicteis amphicteis-A undescribed	Animalia	Annelida	Polychaeta	Terebellida	Ampharetidae	Amphicteis	amphicteis-A

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK393	<i>Armandia maculata</i> (Webster, 1884)	Animalia	Annelida	Polychaeta	Scolecida	Opheliidae	Armandia	maculata
MNK393	<i>Carazziella philipensis</i> Blake & Kudenov, 1978	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Carazziella	philipensis
MNK393	<i>Euclymene insecta</i> (Ehlers, 1904)	Animalia	Annelida	Polychaeta	Scolecida	Maldanidae	Euclymene	insecta
MNK393	<i>Glycera ovigera</i> Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Glyceridae	Glycera	ovigera
MNK393	<i>Heteromastus filiformis</i> (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK393	Lumbrineridae	Animalia	Annelida	Polychaeta	Eunicida	Lumbrineridae		
MNK393	<i>Owenia petersenae</i> Koh & Baud, 2003	Animalia	Annelida	Polychaeta	Sabellida	Oweniidae	Owenia	petersenae
MNK393	<i>Prionospio aucklandica</i> Augener, 1923	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Prionospio	aucklandica
MNK393	<i>Prionospio multicristata</i> Hutchings & Rainer	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Prionospio	multicristata
MNK393	Crustacea	Animalia	Arthropoda					
MNK393	<i>Neohyemenicus pubescens</i> (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenomonatidae	Neohyemenicus	pubescens
MNK393	Parasterope sp.	Animalia	Arthropoda	Ostracoda	Myodocopida	Cylindroleberididae	Parasterope	
MNK393	<i>Calloporina angustipora</i> (Hincks, 1885)	Animalia	Bryozoa	Gymnolaemata	Cheiostomata	Microporellidae	Calloporina	angustipora
MNK393	<i>Chaperiopsis Uttley, 1949</i>	Animalia	Bryozoa	Gymnolaemata	Cheiostomata	Chaperiopsis		
MNK393	<i>Eurystomella foraminigera</i> (Hincks, 1883)	Animalia	Bryozoa	Gymnolaemata	Cheiostomata	Eurystomellidae	Eurystomella	foraminigera
MNK393	<i>Valdemunitella valdemunita</i> (Hincks, 1883)	Animalia	Bryozoa	Gymnolaemata	Cheiostomata	Calloporidae	Valdemunitella	valdemunita
MNK393	<i>Beania plurispinosa</i> Uttley & Bullivant, 1972	Animalia	Bryozoa	Gymnolaemata	Cheiostomata	Beaniidae	Beania	plurispinosa
MNK393	Fenestrulina sp.	Animalia	Bryozoa	Gymnolaemata	Cheiostomata	Microporellidae	Fenestrulina	
MNK393	Rhynchozoon	Animalia	Bryozoa	Stenolaemata	Cyclostomata	Phidoloporidae	Rhynchozoon	
MNK393	<i>Nucula hartvigiana</i> Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK393	<i>Phoronis psammophila</i> Cori, 1889	Animalia	Phoronida			Phoronidae	Phoronis	psammophila
MNK393	<i>Corallina officinalis</i> L.	Plantae	Rhodophyta	Florideophyceae	Corallinales	Corallinaceae	Corallina	officinalis
MNK394	Navicula sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Naviculaceae	Navicula	
MNK394	Coscinodiscus	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Coscinodiscaceae	Coscinodiscus	
MNK394	<i>Ditylum brightwelli</i> (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK394	<i>Guinardia flaccida</i> (Castracane) Peragallo 1892	Chromista	Bacillariophyta	Coscinodiscophyceae	Rhizosoleniales	Rhizosoleniaceae	Guinardia	flaccida
MNK394	<i>Lithodesmium undulatum</i> Ehrenberg 1839	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Lithodesmium	undulatum
MNK394	<i>Melosira</i> sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	
MNK394	<i>Odontella sinensis</i> (Greville) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratales	Triceratiaceae	Odontella	sinensis
MNK394	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Thalassiosiraceae	Thalassiosira	
MNK395	<i>Corethron criophilum</i> Castracane 1886	Chromista	Bacillariophyta	Coscinodiscophyceae	Corethrales	Corethraceae	Corethron	criophilum
MNK395	Leptocylindrus sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Leptocylindrales	Leptocylindraceae	Leptocylindrus	
MNK395	<i>Rhizosolenia alata</i> Gran 1900	Chromista	Bacillariophyta	Coscinodiscophyceae	Rhizosoleniales	Rhizosoleniaceae	Rhizosolenia	
MNK395	<i>Actinptychus senarius</i> (Ehrenberg) Ehrenberg 1843	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Heliopeلتaceae	Actinptychus	senarius
MNK395	Coscinodiscus	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Coscinodiscaceae	Coscinodiscus	
MNK395	Detonula sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Skeletonemaceae	Detonula	
MNK395	<i>Ditylum brightwelli</i> (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK395	Gyrosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK395	<i>Nitzschia</i> sp.	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	
MNK395	<i>Odontella sinensis</i> (Greville) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratales	Triceratiaceae	Odontella	sinensis
MNK395	<i>Pseudonitzschia australis</i> Frenguelli, 1939	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Pseudonitzschia	australis
MNK395	<i>Rhizosolenia imbricata</i> Brightwell 1858	Chromista	Bacillariophyta	Coscinodiscophyceae	Rhizosoleniales	Rhizosoleniaceae	Rhizosolenia	imbricata
MNK395	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Thalassiosiraceae	Thalassiosira	
MNK396	<i>Paguristes setosus</i> (Milne Edwards, 1848)	Animalia	Arthropoda	Malacostraca	Decapoda	Diogenidae	Paguristes	setosus
MNK396	Coscinodiscus	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Coscinodiscaceae	Coscinodiscus	
MNK396	<i>Ditylum brightwelli</i> (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK396	<i>Rhizosolenia alata</i> Gran 1900	Chromista	Bacillariophyta	Coscinodiscophyceae	Rhizosoleniales	Rhizosoleniaceae	Rhizosolenia	alata
MNK396	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Thalassiosiraceae	Thalassiosira	
MNK397	Zooplankton	Animalia	Animalia					
MNK398	Zooplankton	Animalia	Animalia					

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK399	Zooplankton	Animalia						
MNK408	Conopeum seurati (Canu, 1908)	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Electridae	Conopeum	seurati
MNK408	Cryptosula pallasiana (Moll, 1803)	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Cryptosulidae	Cryptosula	pallasiana
MNK408	Fenestrulina sp.	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Microporellidae	Fenestrulina	
MNK409	Cysts	Protozoa						
MNK410	Protoperidinium sp. 1	Protozoa	Myzozoa	Dinophyceae	Peridinales	Peridiniaceae	Protoperidinium	sp. 1
MNK411	Cysts	Protozoa						
MNK412	Cysts	Protozoa						
MNK413	Cysts	Protozoa						
MNK414	Protoperidinium punctulatum (Paulsen, 1907)	Protozoa	Myzozoa	Dinophyceae	Peridinales	Peridiniaceae	Protoperidinium	punctulatum
MNK414	Protoperidinium sp. 1	Protozoa	Myzozoa	Dinophyceae	Peridinales	Peridiniaceae	Protoperidinium	sp. 1
MNK415	Ophiodromus angustifrons (Grube, 1878)	Animalia	Annelida	Polychaeta	Phyllodocida	Hesionidae	Ophiodromus	
MNK415	Polydora cornuta Bosc, 1802	Animalia	Annelida	Polychaeta	Spirida	Spiridae	Polydora	
MNK415	Syllidae	Animalia	Annelida	Polychaeta	Phyllodocida	Syllidae		
MNK415	Halicarcinus varius (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Halicarcinus	varius
MNK415	Parawaldeckia vesca Lowry & Stoddard, 1983	Animalia	Arthropoda	Malacostraca	Amphipoda	Melitidae	Parawaldeckia	vesca
MNK415	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK415	Solieria alien sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Soliariaceae	Solieria	alien sp
MNK416	Armandia maculata (Webster, 1884)	Animalia	Annelida	Polychaeta	Scolecida	Opheliidae	Armandia	maculata
MNK416	Lumbrineridae	Animalia	Annelida	Polychaeta	Eunicida	Lumbrineridae		
MNK416	Pelogenia antipoda Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Sigalionidae	Pelogenia	antipoda
MNK416	Platynereis australis group	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Platynereis	australis group
MNK416	Sphaclaria sp.	Chlorista	Ochrophyta	Phaeophyceae	Phaeophytidae	Sphaclariales	Sphaclaria	
MNK416	Rhodymenia	Plantae	Rhodophyta	Florideophyceae	Rhodymeniales	Rhodymeniaceae	Rhodymenia	
MNK416	Solieria alien sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Soliariaceae	Solieria	alien sp
MNK417	Glycinde trifida (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadidae	Glycinde	trifida
MNK417	Marpysa depressa (Schmarda, 1861)	Animalia	Annelida	Polychaeta	Eunicida	Eunicidae	Marpysa	depressa
MNK417	Paguristes setosus (Milne Edwards, 1848)	Animalia	Arthropoda	Malacostraca	Decapoda	Diogenidae	Paguristes	setosus
MNK417	Zegalerus tenuis (Gray, 1867)	Animalia	Mollusca	Gastropoda	Neotaenioglossa	Calyptraeidae	Zegalerus	tenuis
MNK418	Lepidastheniella comma (Thomson, 1902)	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidastheniella	comma
MNK418	Sigalionidae	Animalia	Annelida	Polychaeta	Phyllodocida	Sigalionidae		
MNK418	Streblosoma toddae Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddae
MNK418	Aglaophamus verrilli McIntosh, 1885	Animalia	Annelida	Polychaeta	Phyllodocida	Nephtyidae	Aglaophamus	verrilli
MNK418	Aricidea aricidea-B undescribed	Animalia	Annelida	Polychaeta	Orbiniida	Orbiniidae	Aricidea	aricidea-B
MNK418	Cirratulidae	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae		
MNK418	Euclymene insecta (Ehlers, 1904)	Animalia	Annelida	Polychaeta	Scolecida	Maldanidae	Euclymene	insecta
MNK418	Glycinde trifida (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadidae	Glycinde	trifida
MNK418	Hemipodus simplex Grube, 1857	Animalia	Annelida	Polychaeta	Phyllodocida	Glyceridae	Hemipodus	simplex
MNK418	Lumbrineridae	Animalia	Annelida	Polychaeta	Eunicida	Lumbrineridae		
MNK418	Owenia petersenae Koh & Baud, 2003	Animalia	Annelida	Polychaeta	Sabellida	Oweniidae	Owenia	petersenae
MNK418	Pirakia pirakia-A	Animalia	Annelida	Polychaeta	Phyllodocida	Phyllodocidae	Pirakia	pirakia-A
MNK418	Syllidae	Animalia	Annelida	Polychaeta	Phyllodocida	Syllidae		
MNK418	Callianassa filholi (A.Milne Edwards, 1879)	Animalia	Arthropoda	Malacostraca	Decapoda	Callianassidae	Callianassa	filholi
MNK418	Halicarcinus varius (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Halicarcinus	varius
MNK418	Torridoharpinia hurleyi (Barnard, 1958)	Animalia	Arthropoda	Malacostraca	Amphipoda	Phoxocephalidae	Torridoharpinia	hurleyi
MNK418	Felaniella zelandica (Gray, 1835)	Animalia	Mollusca	Bivalvia	Venerida	Ungulinidae	Felaniella	zelandica
MNK418	Leptochiton sp.	Animalia	Mollusca	Polyplacophora	Lepidopleurina	Leptochitonidae	Leptochiton	
MNK418	Divalucina cumingi (A. Adams & Angas, 1864)	Animalia	Mollusca	Bivalvia	Venerida	Lucinidae	Divalucina	cumingi
MNK418	Gastropoda	Animalia	Mollusca	Gastropoda				
MNK418	Nucula hartvigiana Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculidae	Nuculidae	Nucula	hartvigiana

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK418	Ruditapes largillieri (Philippi, 1849)	Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	Ruditapes	largillieri
MNK418	Nemertea	Animalia	Nemertea					
MNK418	Phoronis psammophila Cori, 1889	Animalia	Phoronida			Phoronidae	Phoronis	psammophila
MNK418	Rhodymenia eptophylla J. Agardh	Plantae	Rhodophyta	Florideophyceae	Rhodymeniales	Rhodymeniaceae	Rhodymenia	eptophylla
MNK418	Gracilaria sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK418	Solieria alien sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Soliariaceae	Solieria	alien sp
MNK418	Sipuncula	Animalia	Sipuncula					
MNK419	Glycera ovigera Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Glyceridae	Glycera	ovigera
MNK419	Marphysa capensis (Schmarda, 1861)	Animalia	Annelida	Polychaeta	Eunicida	Eunicidae	Marphysa	capensis
MNK419	Prionospio multicristata Hutchings & Rainer	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Prionospio	multicristata
MNK419	Amphicteis amphicteis-A undescribed	Animalia	Annelida	Polychaeta	Terebellida	Ampharetidae	Amphicteis	amphicteis-A
MNK419	Euclymene insecta (Ehlers, 1904)	Animalia	Annelida	Polychaeta	Scolocida	Maldanidae	Euclymene	insecta
MNK419	Glycinde trifida (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadidae	Glycinde	trifida
MNK419	Heteromastus filiformis (Claparedes, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK419	Lumbrineridae	Animalia	Annelida	Polychaeta	Eunicida	Lumbrineridae		
MNK419	Macrolymenella stewartensis Augener 1926	Animalia	Annelida	Polychaeta	Scolecida	Maldanidae	Macrolymenella	stewartensis
MNK419	Magelona dakini Jones, 1978	Animalia	Annelida	Polychaeta	Spionida	Magelonidae	Magelona	dakini
MNK419	Owenia petersenae Koh & Baud, 2003	Animalia	Annelida	Polychaeta	Sabellida	Oweniidae	Owenia	petersenae
MNK419	Platynereis australis group	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Platynereis	australis group
MNK419	Macrophthalmus hirtipes (Jacquinot, 1853)	Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	Macrophthalmus	hirtipes
MNK419	Conopeum oreiense Uttley, 1951	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Electridae	Conopeum	oreiense
MNK419	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK419	Leptomya retiaria (Hutton, 1835)	Animalia	Mollusca	Bivalvia	Veneroida	Semelidae	Leptomya	retiaria
MNK419	opisthobranchia	Animalia	Mollusca	opisthobranchia				
MNK419	Bivalvia	Animalia	Mollusca	Bivalvia				
MNK419	Polyplacophora	Animalia	Mollusca	Polyplacophora				
MNK419	Phoronis psammophila Cori, 1889	Animalia	Phoronida			Phoronidae	Phoronis	psammophila
MNK419	Chondria	Plantae	Rhodophyta	Florideophyceae	Ceramiales	Rhodomelaceae	Chondria	
MNK419	Apoglossum montagneanum (J. Agardh) J. Agardh	Plantae	Rhodophyta	Florideophyceae	Ceramiales	Delesseriaceae	Apoglossum	montagneanum
MNK419	Gracilaria sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK419	Unidentifiable	Unidentifiable						
MNK420	Cossura consimilis Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK420	Heteromastus filiformis (Claparedes, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK420	Lumbrineridae	Animalia	Annelida	Polychaeta	Eunicida	Lumbrineridae		
MNK420	Magelona dakini Jones, 1978	Animalia	Annelida	Polychaeta	Spionida	Magelonidae	Magelona	dakini
MNK420	Marphysa depressa (Schmarda, 1861)	Animalia	Annelida	Polychaeta	Eunicida	Eunicidae	Marphysa	depressa
MNK420	Prionospio multicristata Hutchings & Rainer	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Prionospio	multicristata
MNK420	Crustacea	Animalia	Arthropoda					
MNK420	Paradexamine sp.	Animalia	Arthropoda	Malacostraca	Amphipoda	Dexaminidae	Paradexamine	
MNK420	Conopeum oreiense Uttley, 1951	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Electridae	Conopeum	oreiense
MNK420	Amphiura annulifera Mortensen, 1924	Animalia	Echinodermata	Ophiuroidea	Ophiurida	Amphiuridae	Amphiura	annulifera
MNK420	Phoronis psammophila Cori, 1889	Animalia	Phoronida			Phoronidae	Phoronis	psammophila
MNK420	Ceramium	Plantae	Rhodophyta	Florideophyceae	Ceramiales	Ceramiaceae	Ceramium	
MNK420	Solieria alien sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Soliariaceae	Solieria	alien sp
MNK421	Coscinodiscus wailesii Gran & Angst, 1931	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Coscinodiscaceae	Coscinodiscus	wailesii
MNK421	Ditylum brightwelli (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK421	Gyrosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK421	Leptocylindrus sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Leptocylindrales	Leptocylindraceae	Leptocylindrus	
MNK421	Melosira sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	
MNK421	Odontella mobiliensis (Bailey) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Odontella	mobiliensis

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK421	Pleurosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK421	Stephanopyxis orbicularis Wood et al. 1959	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Stephanopyxidaceae	Stephanopyxis	orbicularis
MNK421	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Thalassiosiraceae	Thalassiosira	
MNK421	Thalassiosira decipiens (Grunow) E.G. Jørgensen	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Thalassiosiraceae	Thalassiosira	decipiens
MNK422	Actinptychus senarius (Ehrenberg) Ehrenberg 1843	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Heliopeltaceae	Actinptychus	senarius
MNK422	Coscinodiscus	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Coscinodiscaceae	Coscinodiscus	
MNK422	Melosira sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	
MNK422	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Thalassiosiraceae	Thalassiosira	
MNK423	Coscinodiscus	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Coscinodiscaceae	Coscinodiscus	
MNK423	Detonula sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Skeletonemaceae	Detonula	
MNK423	Ditylum brightwelli (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK423	Gyrosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK423	Melosira sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	
MNK423	Nitzschia sp.	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	
MNK423	Odontella sinensis (Greville) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Odontella	sinensis
MNK423	Pleurosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK423	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Thalassiosiraceae	Thalassiosira	
MNK424	Zooplankton	Animalia						
MNK425	Zooplankton	Animalia						
MNK426	Zooplankton	Animalia						
MNK433	Paraidanthrysus quadricornis Kirtley, 1994	Animalia	Annelida	Polychaeta	Sabellida	Sabellariidae	Paraidanthrysus	quadricornis
MNK433	Armandia maculata (Webster, 1884)	Animalia	Annelida	Polychaeta	Scolecida	Opheliidae	Armandia	maculata
MNK433	Platyneres australis group	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Platyneres	australis group
MNK433	Crustacea	Animalia	Arthropoda					
MNK433	Palaemon affinis Milne-Edwards, 1837	Animalia	Arthropoda	Malacostraca	Decapoda	Palaemonidae	Palaemon	affinis
MNK433	Paradexamine sp.	Animalia	Arthropoda	Malacostraca	Amphipoda	Dexaminidae	Paradexamine	
MNK433	Rhodymenia	Plantae	Rhodophyta	Florideophyceae	Rhodymeniales	Rhodymeniaceae	Rhodymenia	
MNK433	Solieria alien sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Soliariaceae	Solieria	alien sp
MNK433	Zooplankton	Animalia						
MNK437	Cysts	Protozoa						
MNK438	Cysts	Protozoa						
MNK439	Cysts	Protozoa						
MNK440	Lepidonotinae Willey, 1902	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae		
MNK440	Neosabellaria kaiparaensis (Augener, 1926)	Animalia	Annelida	Polychaeta	Sabellida	Sabellariidae	Neosabellaria	kaiparaensis
MNK440	Armandia maculata (Webster, 1884)	Animalia	Annelida	Polychaeta	Scolecida	Opheliidae	Armandia	maculata
MNK440	Prionospio multicristata Hutchings & Rainer	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Prionospio	multicristata
MNK440	Torridoharpinia hurleyi (Barnard, 1958)	Animalia	Arthropoda	Malacostraca	Amphipoda	Phoxocephalidae	Torridoharpinia	hurleyi
MNK440	Escharoides angela (Hutton, 1873)	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Romcheiniidae	Escharoides	angela
MNK440	Mimetridium cryptum	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK440	Polygonum sp.	Plantae	Magnoliophyta	Magnolopsida	Polygonales	Polygonaceae	Polygonum	
MNK440	Cominella maculosa (Martyn, 1784)	Animalia	Mollusca	Gastropoda	Neogastropoda	Buccinidae	Cominella	maculosa
MNK440	Dosinia crebra (Hutton, 1873)	Animalia	Mollusca	Bivalvia	Veneridae	Veneridae	Dosinia	crebra
MNK440	Nucula hartvigiana Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculidae	Nuculidae	Nucula	hartvigiana
MNK440	Phoronis psammophila Cori, 1889	Animalia	Phoronida			Phoronidae	Phoronis	psammophila
MNK441	Notomastus sp.	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Notomastus	
MNK441	Barantolla lepte Hutchings, 1974	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Barantolla	lepte
MNK441	Glycinde trifida (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadiidae	Glycinde	trifida
MNK441	Prionospio multicristata Hutchings & Rainer	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Prionospio	multicristata
MNK441	Scolecolepides benhami Ehlers, 1907	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Scolecolepides	benhami
MNK441	Synasterope empoulseni Kornicker, 1975	Animalia	Arthropoda	Ostracoda	Myodocopida	Cylindroleberididae	Synasterope	empoulseni

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK441	Polygonum sp.	Plantae	Magnoliophyta	Magnolopsida	Polygonales	Polygonaceae	Polygonum	
MNK441	Corbula zelandica Quoy & Gaimard, 1835	Animalia	Mollusca	Bivalvia	Myoida	Corbulidae	Corbula	zelandica
MNK441	Nucula hartvigiana Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK441	Nucula hartvigiana Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK441	Phoronis psammophila Cori, 1889	Animalia	Phoronida			Phoronidae	Phoronis	psammophila
MNK442	Torridoharpinia hurleyi (Barnard, 1958)	Animalia	Arthropoda	Malacostraca	Amphipoda	Phoxocephalidae	Torridoharpinia	hurleyi
MNK442	Conopeum oretiensis Uttley, 1951	Animalia	Bryozoa	Gymnolaemata	Cheiostomata	Electridae	Conopeum	oretiensis
MNK442	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK442	Dosinia subrosea (Gray, 1835)	Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	Dosinia	subrosea
MNK442	Dosinia subrosea (Gray, 1835)	Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	Dosinia	subrosea
MNK442	Nucula hartvigiana Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK442	Vidalia colensoi (Hook & Harvey) J.Agardh	Plantae	Rhodophyta	Florideophyceae	Ceramiales	Rhodomelaceae	Vidalia	colensoi
MNK442	Solieria alien sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Siliariaceae	Solieria	alien sp
MNK477	Cysts	Protozoa						
MNK478	Cysts	Protozoa						
MNK479	Cysts	Protozoa						
MNK483	Lithodesmidales	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales			
MNK483	Actinptychus senarius (Ehrenberg) Ehrenberg 1843	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Heliopeltaceae	Actinptychus	senarius
MNK483	Chaetoceros	Chromista	Bacillariophyta	Coscinodiscophyceae	Chaetoceratales	Chaetocerotaceae	Chaetoceros	
MNK483	Coscinodiscus wailesii Gran & Angst, 1931	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Coscinodiscaceae	Coscinodiscus	wailesii
MNK483	Ditylum brightwelli (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK483	Gyrosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK483	Melosira sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	
MNK483	Odontella sinensis (Greville) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Odontella	sinensis
MNK483	Pleurosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK483	Rhizosolenia setigera Brightwell 1858	Chromista	Bacillariophyta	Coscinodiscophyceae	Rhizosoleniales	Rhizosoleniaceae	Rhizosolenia	setigera
MNK483	Stephanopyxis orbicularis Wood <i>et al.</i> 1959	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Stephanopyxidaceae	Stephanopyxis	orbicularis
MNK483	Thalassionema frauenfeldii (Grunow) TempPre & Peragallo 1910	Chromista	Bacillariophyta	Fragilarophyceae	Thalassionemales	Thalassionemataceae	Thalassionema	frauenfeldii
MNK483	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Thalassiosiraceae	Thalassiosira	
MNK483	Thalassiosira rotula Meunier 1915	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Thalassiosiraceae	Thalassiosira	rotula
MNK484	Actinptychus senarius (Ehrenberg) Ehrenberg 1843	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Heliopeltaceae	Actinptychus	senarius
MNK484	Bacillaria paxillifer (Muuler)Hendey,1951	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Bacillaria	paxillifer
MNK484	Chaetoceros	Chromista	Bacillariophyta	Coscinodiscophyceae	Chaetoceratales	Chaetocerotaceae	Chaetoceros	
MNK484	Ditylum brightwelli (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK484	Gyrosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK484	Lithodesmium undulatum Ehrenberg 1839	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Lithodesmium	undulatum
MNK484	Melosira sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	
MNK484	Odontella mobiliensis (Bailey) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Odontella	mobiliensis
MNK484	Odontella sinensis (Greville) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Odontella	sinensis
MNK484	Pleurosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK484	Pseudonitzschia australis Frenguelli, 1939	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Pseudonitzschia	australis
MNK484	Rhizosolenia alata Gran 1900	Chromista	Bacillariophyta	Coscinodiscophyceae	Rhizosoleniales	Rhizosoleniaceae	Rhizosolenia	alata
MNK484	Rhizosolenia setigera Brightwell 1858	Chromista	Bacillariophyta	Coscinodiscophyceae	Rhizosoleniales	Rhizosoleniaceae	Rhizosolenia	setigera
MNK484	Stephanopyxis orbicularis Wood <i>et al.</i> 1959	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Stephanopyxidaceae	Stephanopyxis	orbicularis
MNK484	Thalassionema sp.	Chromista	Bacillariophyta	Fragilarophyceae	Thalassionemales	Thalassionemataceae	Thalassionema	
MNK484	Thalassionema frauenfeldii (Grunow) TempPre & Peragallo 1910	Chromista	Bacillariophyta	Fragilarophyceae	Thalassionemales	Thalassionemataceae	Thalassionema	frauenfeldii
MNK484	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Thalassiosiraceae	Thalassiosira	
MNK484	Thalassiosira rotula Meunier 1915	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Thalassiosiraceae	Thalassiosira	rotula
MNK484	Ceratium fusus (Ehrenberg, 1833)	Protozoa	Myzozoa	Peridinea	Gonyaulacida	Ceratiidae	Ceratium	fusus
MNK484	Ceratium tripos (Muller, 1776)	Protozoa	Myzozoa	Peridinea	Gonyaulacida	Ceratiidae	Ceratium	tripos

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK485	Rhizosolenia robusta Norman ex Pritchard 1861	Chromista	Bacillariophyta	Coscinodiscophyceae	Rhizosoleniales	Rhizosoleniaceae	Rhizosolenia	robusta
MNK485	Actinopytchus senarius (Ehrenberg) Ehrenberg 1843	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Heliopeltaceae	Actinopytchus	senarius
MNK485	Chaetoceros	Chromista	Bacillariophyta	Coscinodiscophyceae	Chaetoceratales	Chaetocerotaceae	Chaetoceros	
MNK485	Ditylum brightwelli (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK485	Gyrosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK485	Lithodesmium undulatum Ehrenberg 1839	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Lithodesmium	undulatum
MNK485	Melosira sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	
MNK485	Odontella sinensis (Greville) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Odontella	sinensis
MNK485	Pleurosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK485	Pseudonitzschia australis Frenguelli, 1939	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Pseudonitzschia	australis
MNK485	Thalassionema frauenfeldii (Grunow) Tempère & Peragallo 1910	Chromista	Bacillariophyta	Fragilariophyceae	Thalassionematales	Thalassionemataceae	Thalassionema	frauenfeldii
MNK485	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	
MNK485	Thalassiosira rotula Meunier 1915	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	rotula
MNK485	Triceratium favus Ehrenberg 1839	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Triceratium	favus
MNK486	Zooplankton	Animalia						
MNK487	Zooplankton	Animalia						
MNK488	Zooplankton	Animalia						
MNK496	Boccardia syrtis (Rainer, 1973)	Animalia	Annelida	Polychaeta	Spironida	Spironiidae	Boccardia	syrtis
MNK496	Cirratulidae	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae		
MNK496	Neanthes aff. succinea	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Neanthes	aff. succinea
MNK496	Ophiodromus angustifrons (Grube, 1878)	Animalia	Annelida	Polychaeta	Phyllodocida	Hesionidae	Ophiodromus	angustifrons
MNK496	Schistomerings loveni (Kinberg, 1865)	Animalia	Annelida	Polychaeta	Eunicida	Dorvilleidae	Schistomerings	loveni
MNK496	Macrophthalmus hirtipes (Jacquinot, 1853)	Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	Macrophthalmus	hirtipes
MNK496	Ruditapes largillierti (Philippi, 1849)	Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	Ruditapes	largillierti
MNK496	Solieria alien sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Solariaceae	Solieria	alien sp
MNK496	Sipuncula	Animalia	Sipuncula					
MNK497	Harmothoe macrolepidota (Schmarda, 1861)	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Harmothoe	macrolepidota
MNK497	Protocirrineris nuchalis (Ehlers, 1907)	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae	Protocirrineris	nuchalis
MNK497	Lepidonotus polychromus Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK497	Neanthes aff. succinea	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Neanthes	aff. succinea
MNK497	Streblosoma toddae Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddæ
MNK497	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK497	Parawaldeckia vesca Lowry & Stoddard, 1983	Animalia	Arthropoda	Malacostraca	Amphipoda	Melitidae	Parawaldeckia	vesca
MNK497	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK497	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK497	Perna canaliculus (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloida	Mytilidae	Perna	canaliculus
MNK497	Solieria alien sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Solariaceae	Solieria	alien sp
MNK498	Cirratulidae	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae		
MNK498	Marphysa depressa (Schmarda, 1861)	Animalia	Annelida	Polychaeta	Eunicida	Eunicidae	Marphysa	depressa
MNK498	Nicon aestuariensis Knox, 1951	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nicon	aestuariensis
MNK498	Macrophthalmus hirtipes (Jacquinot, 1853)	Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	Macrophthalmus	hirtipes
MNK498	Parawaldeckia vesca Lowry & Stoddard, 1983	Animalia	Arthropoda	Malacostraca	Amphipoda	Melitidae	Parawaldeckia	vesca
MNK498	Celleporina	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Celleporidae	Celleporina	
MNK498	Microporella agonistes Gordon, 1989	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Microporellidae	Microporella	agonistes
MNK498	Alcyoniumidium	Animalia	Bryozoa	Gymnolaemata	Ctenosomata	Alcyoniidae	Alcyoniumidium	
MNK498	Antarctothoa tongima (Ryland & Gordon, 1977)	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Hippothoidae	Antarctothoa	tongima
MNK498	Calloporina angustipora (Hincks, 1885)	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Microcolellidae	Calloporina	angustipora
MNK498	Conopeum oreiensis Uttley, 1951	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Electridae	Conopeum	oreiensis
MNK498	Conopeum seurati (Canu, 1908)	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Electridae	Conopeum	seurati
MNK498	Penetrantia sp.	Animalia	Bryozoa	Gymnolaemata	Ctenosomata	Penetrantiidae	Penetrantia	

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK498	<i>Schizosmittina cinctipora</i> (Hincks, 1883)	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Bitectiporidae	Schizosmittina	cinctipora
MNK498	<i>Smittina torques</i> Powell, 1967	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Smittinidae	Smittina	torques
MNK498	Anthozoa	Animalia	Cnidaria	Anthozoa				
MNK498	<i>Barnea similis</i> (Gray, 1835)	Animalia	Mollusca	Bivalvia	Myoida	Pholadidae	Barnea	similis
MNK498	<i>Nucula hartvigiana</i> Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK498	Sipuncula	Animalia	Sipuncula					
MNK498	Detritus	Detritus						
MNK500	<i>Armandia maculata</i> (Webster, 1884)	Animalia	Annelida	Polychaeta	Scolecida	Opheliidae	Armandia	maculata
MNK500	<i>Cossura consimilis</i> Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK500	<i>Glycinde trifida</i> (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadiidae	Glycinde	trifida
MNK500	<i>Heteromastus filiformis</i> (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK500	Lumbrineridae	Animalia	Annelida	Polychaeta	Eunicida	Lumbrineridae		
MNK500	<i>Pectinaria australis</i> Ehlers, 1904	Animalia	Annelida	Polychaeta	Terebellida	Pectinariidae	Pectinaria	australis
MNK500	<i>Pirakia pirakia</i> -A	Animalia	Annelida	Polychaeta	Phyllodocida	Phyllodocidae	Pirakia	pirakia-A
MNK500	<i>Prionospio aucklandica</i> Augener, 1923	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Prionospio	aucklandica
MNK500	<i>Neohymenicus pubescens</i> (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK500	<i>Monocorophium acherusicum</i> (Costa, 1857)	Animalia	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Monocorophium	acherusicum
MNK500	Alcyonidium	Animalia	Bryozoa	Gymnolaemata	Ctenosomata	Alcyoniidae	Alcyonidium	
MNK500	<i>Conopeum oretiensis</i> Uttley, 1951	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Electridae	Conopeum	oretiensis
MNK500	Penetrantia sp.	Animalia	Bryozoa	Gymnolaemata	Ctenosomata	Penetrantiidae	Penetrantia	
MNK500	Zoanthidea	Animalia	Cnidaria	Anthozoa	Zoanthidea			
MNK500	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK500	<i>Nucula hartvigiana</i> Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK500	<i>Ruditapes largillierti</i> (Philippi, 1849)	Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	Ruditapes	largillierti
MNK500	<i>Zegalerus tenuis</i> (Gray, 1867)	Animalia	Mollusca	Gastropoda	Neotaenioglossa	Calyptreidae	Zegalerus	tenuis
MNK500	Solieria alien sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Soliariaceae	Solieria	alien sp
MNK502	<i>Actinoptychus senarius</i> (Ehrenberg) Ehrenberg 1843	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodisciales	Heliopeلتaceae	Actinoptychus	senarius
MNK502	Chaetoceros	Chromista	Bacillariophyta	Coscinodiscophyceae	Chaetoceratales	Chaetocerataceae	Chaetoceros	
MNK502	Chaetoceros affine Lauder 1864	Chromista	Bacillariophyta	Coscinodiscophyceae	Chaetoceratales	Chaetocerataceae	Chaetoceros	affine
MNK502	<i>Coscinodiscus wailesii</i> Gran & Angst, 1931	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Coscinodiscaceae	Coscinodiscus	wailesii
MNK502	<i>Ditylum brightwelli</i> (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK502	Gyrosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK502	<i>Lithodesmium undulatum</i> Ehrenberg 1839	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Lithodesmium	undulatum
MNK502	Melosira sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	
MNK502	Nitzschia sp.	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	
MNK502	<i>Odontella sinensis</i> (Greville) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratales	Triceratiaceae	Odontella	sinensis
MNK502	Pleurosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK502	<i>Stephanopyxis orbicularis</i> Wood et al. 1959	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Stephanopyxidaceae	Stephanopyxis	orbicularis
MNK502	Thalassionema sp.	Chromista	Bacillariophyta	Fragilariphycaceae	Thalassionemales	Thalassionemataceae	Thalassionema	
MNK502	<i>Thalassionema frauenfeldii</i> (Grunow) TempPre & Peragallo 1910	Chromista	Bacillariophyta	Fragilariphycaceae	Thalassionemales	Thalassionemataceae	Thalassionema	frauenfeldii
MNK502	<i>Thalassionema nitzschiooides</i> (Grunow) Mereschkowsky 1902	Chromista	Bacillariophyta	Fragilariphycaceae	Thalassionemales	Thalassionemataceae	Thalassionema	nitzschiooides
MNK502	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	
MNK502	<i>Thalassiosira rotula</i> Meunier 1915	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	rotula
MNK502	<i>Triceratium favus</i> Ehrenberg 1839	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratales	Triceratiaceae	Triceratium	favus
MNK503	Licmophora	Chromista	Bacillariophyta	Fragilariphycaceae	Licmophorales	Licmophoraceae	Licmophora	
MNK503	<i>Actinoptychus senarius</i> (Ehrenberg) Ehrenberg 1843	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Heliopeلتaceae	Actinoptychus	senarius
MNK503	Chaetoceros	Chromista	Bacillariophyta	Coscinodiscophyceae	Chaetoceratales	Chaetocerataceae	Chaetoceros	
MNK503	<i>Coscinodiscus wailesii</i> Gran & Angst, 1931	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Coscinodiscaceae	Coscinodiscus	wailesii
MNK503	Detonula sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Skeletonemaceae	Detonula	
MNK503	<i>Ditylum brightwelli</i> (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK503	Gyrosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK503	Lithodesmium undulatum Ehrenberg 1839	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Lithodesmium	undulatum
MNK503	Melosira sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	
MNK503	Odontella sinensis (Greville) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Odontella	sinensis
MNK503	Pleurosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK503	Pseudonitzschia australis Frenguelli, 1939	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Pseudonitzschia	australis
MNK503	Stephanopyxis orbicularis Wood <i>et al.</i> 1959	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Stephanopyxidaceae	Stephanopyxis	orbicularis
MNK503	Thalassionema nitzschiooides (Grunow) Mereschkowsky 1902	Chromista	Bacillariophyta	Fragilarophyceae	Thalassionematales	Thalassionemataceae	Thalassionema	nitzschiooides
MNK503	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Thalassiosiraceae	Thalassiosira	
MNK503	Thalassiosira rotula Meunier 1915	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Thalassiosiraceae	Thalassiosira	rotula
MNK504	Coscinodiscus wailesii Gran & Angst, 1931	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Coscinodiscaceae	Coscinodiscus	wailesii
MNK504	Ditylum brightwelli (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK504	Melosira sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	
MNK504	Nitzschia sp.	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	
MNK504	Odontella sinensis (Greville) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Odontella	sinensis
MNK504	Pleurosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK504	Rhizosolenia alata Gran 1900	Chromista	Bacillariophyta	Coscinodiscophyceae	Rhizosoleniales	Rhizosoleniaceae	Rhizosolenia	alata
MNK504	Stephanopyxis orbicularis Wood <i>et al.</i> 1959	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Stephanopyxidaceae	Stephanopyxis	orbicularis
MNK504	Thalassionema sp.	Chromista	Bacillariophyta	Fragilarophyceae	Thalassionematales	Thalassionemataceae	Thalassionema	
MNK504	Thalassionema nitzschiooides (Grunow) Mereschkowsky 1902	Chromista	Bacillariophyta	Fragilarophyceae	Thalassionematales	Thalassionemataceae	Thalassionema	nitzschiooides
MNK505	Zooplankton	Animalia						
MNK506	Zooplankton	Animalia						
MNK507	Zooplankton	Animalia						
MNK509	Lepidonotus polychromus Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK509	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK509	Halicarcinus varius (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Halicarcinus	varius
MNK510	Flabelligera affinis Sars, 1829	Animalia	Annelida	Polychaeta	Terebellida	Flabelligeridae	Flabelligera	affinis
MNK510	Lepidastheniella comma (Thomson, 1902)	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidastheniella	comma
MNK510	Lepidonotus polychromus Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK510	Pherusa parmata (Grube, 1878)	Animalia	Annelida	Polychaeta	Terebellida	Flabelligeridae	Pherusa	parmata
MNK510	Protocirrineris nuchalis (Ehlers, 1907)	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae	Protocirrineris	nuchalis
MNK510	Pseudopista rostrata Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Pseudopista	rostrata
MNK510	Streblosoma toddae Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddæ
MNK510	Pilumnus lumpinus Bennett, 1964	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Pilumnus	lumpinus
MNK510	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK510	Halicarcinus varius (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Halicarcinus	varius
MNK510	Monocorophium acherusicum (Costa, 1857)	Animalia	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Monocorophium	acherusicum
MNK510	Notomithrax minor (Filhol, 1885)	Animalia	Arthropoda	Malacostraca	Decapoda	Majidae	Notomithrax	minor
MNK510	Pagurus traversi (Filhol, 1885)	Animalia	Arthropoda	Malacostraca	Decapoda	Paguridae	Pagurus	traversi
MNK510	Palaemon affinis Milne-Edwards, 1837	Animalia	Arthropoda	Malacostraca	Decapoda	Palaemonidae	Palaemon	affinis
MNK510	Parawaldeckia vesca Lowry & Stoddard, 1983	Animalia	Arthropoda	Malacostraca	Amphipoda	Melitidae	Parawaldeckia	vesca
MNK510	Periclimenes yaldwyni Holthuis, 1959	Animalia	Arthropoda	Malacostraca	Decapoda	Palaemonidae	Periclimenes	yaldwyni
MNK510	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK510	Pilumnopeus serratifrons (Kinahan, 1856)	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Pilumnopeus	serratifrons
MNK510	Plagusia chabrus (Linnaeus, 1758)	Animalia	Arthropoda	Malacostraca	Decapoda	Plagusiidae	Plagusia	chabrus
MNK510	Bugula neritina (Linnaeus, 1758)	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Bugulidae	Bugula	neritina
MNK510	Caberea rostrata Busk, 1884	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Candidae	Caberea	rostrata
MNK510	Mimetridium cryptum	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK510	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK510	Perna canaliculus (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloida	Mytilidae	Perna	canaliculus

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK510	Unidentifiable	Unidentifiable						
MNK512	Demonax Demonax-B	Animalia	Annelida	Polychaeta	Sabellida	Sabellidae	Demonax	Demonax-B
MNK512	Flabelligera affinis Sars, 1829	Animalia	Annelida	Polychaeta	Terebellida	Flabelligeridae	Flabelligera	affinis
MNK512	Lepidastheniella comma (Thomson, 1902)	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidastheniella	comma
MNK512	Lepidonotus polychromus Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK512	Pherusa parmata (Grube, 1878)	Animalia	Annelida	Polychaeta	Terebellida	Flabelligeridae	Pherusa	parmata
MNK512	Pseudopista rostrata Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Pseudopista	rostrata
MNK512	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK512	Austrominius modestus Darwin, 1854	Animalia	Arthropoda	Maxillopoda	Sessilia	Archaeobalanidae	Austrominius	modestus
MNK512	Halicarcinus varius (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Halicarcinus	varius
MNK512	Neohymenicus pubescens (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK512	Notomegalanus decorus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Notomegalanus	decorus
MNK512	Notomithrax minor (Filhol, 1885)	Animalia	Arthropoda	Malacostraca	Decapoda	Majidae	Notomithrax	minor
MNK512	Parawaldeckia vesca Lowry & Stoddard, 1983	Animalia	Arthropoda	Malacostraca	Amphipoda	Melitidae	Parawaldeckia	vesca
MNK512	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK512	Pilumnopaeus serratifrons (Kinahan, 1856)	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Pilumnopaeus	serratifrons
MNK512	Didemnum sp.	Animalia	Chordata	Asciidiacea	Enterogona	Didemnidae	Didemnum	
MNK512	Mimetridium cryptum	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK512	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK512	Perna canaliculus (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloidea	Mytilidae	Perna	canaliculus
MNK513	Demonax Demonax-B	Animalia	Annelida	Polychaeta	Sabellida	Sabellidae	Demonax	Demonax-B
MNK513	Flabelligera affinis Sars, 1829	Animalia	Annelida	Polychaeta	Terebellida	Flabelligeridae	Flabelligera	affinis
MNK513	Lepidastheniella comma (Thomson, 1902)	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidastheniella	comma
MNK513	Lepidonotus polychromus Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK513	Pherusa parmata (Grube, 1878)	Animalia	Annelida	Polychaeta	Terebellida	Flabelligeridae	Pherusa	parmata
MNK513	Protocirrineris nuchalis (Ehlers, 1907)	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae	Protocirrineris	nuchalis
MNK513	Pseudopista rostrata Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Pseudopista	rostrata
MNK513	Streblosoma toddae Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddæ
MNK513	Apocorophium acutum (Chevreux, 1908)	Animalia	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Apocorophium	acutum
MNK513	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK513	Halicarcinus varius (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Halicarcinus	varius
MNK513	Monocorophium acherusicum (Costa, 1857)	Animalia	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Monocorophium	acherusicum
MNK513	Neohymenicus pubescens (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK513	Notomithrax minor (Filhol, 1885)	Animalia	Arthropoda	Malacostraca	Decapoda	Majidae	Notomithrax	minor
MNK513	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK513	Pilumnopaeus serratifrons (Kinahan, 1856)	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Pilumnopaeus	serratifrons
MNK513	Pilumnus lumpinus Bennett, 1964	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Pilumnus	lumpinus
MNK513	Bugula neritina (Linnaeus, 1758)	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Bugulidae	Bugula	neritina
MNK513	Caberea rostrata Busk, 1884	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Candidae	Caberea	rostrata
MNK513	Diplosoma listerianum (Milne-Edwards, 1841)	Animalia	Chordata	Asciidiacea	Enterogona	Didemnidae	Diplosoma	listerianum
MNK513	Mimetridium cryptum	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK513	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK513	Perna canaliculus (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloidea	Mytilidae	Perna	canaliculus
MNK513	Thysanozoon aucklandica Cheeseman, 1883	Animalia	Platyhelminthes	Turbellaria	Polycladida	Pseudoceritidae	Thysanozoon	aucklandica
MNK515	Demonax Demonax-B	Animalia	Annelida	Polychaeta	Sabellida	Sabellidae	Demonax	Demonax-B
MNK515	Flabelligera affinis Sars, 1829	Animalia	Annelida	Polychaeta	Terebellida	Flabelligeridae	Flabelligera	affinis
MNK515	Lepidonotus polychromus Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK515	Streblosoma toddae Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddæ
MNK515	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK515	Apocorophium acutum (Chevreux, 1908)	Animalia	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Apocorophium	acutum

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK515	Austrominius modestus Darwin, 1854	Animalia	Arthropoda	Maxillopoda	Sessilia	Archaeobalanidae	Austrominius	modestus
MNK515	Monocorophium acherusicum (Costa, 1857)	Animalia	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Monocorophium	acherusicum
MNK515	Neohymenicus pubescens (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK515	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK515	Pilumnopeus serratifrons (Kinahan, 1856)	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Pilumnopeus	serratifrons
MNK515	Microcosmus squamiger Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidiacea	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK515	Molgula mortensenii (Michaelsen, 1922)	Animalia	Chordata	Asciidiacea	Pleurogona	Molgulidae	Molgula	mortensenii
MNK515	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK515	Mytilus	Animalia	Mollusca	Bivalvia	Mytiloidea	Mytilidae	Mytilus	
MNK516	Demonax Demonax-B	Animalia	Annelida	Polychaeta	Sabellidae	Demonaxidae	Demonax	Demonax-B
MNK516	Lepidonotus polychromus Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK516	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK516	Notomithrax minor (Filhol, 1885)	Animalia	Arthropoda	Malacostraca	Decapoda	Majidae	Notomithrax	minor
MNK516	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK516	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK516	Perna canaliculus (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloidea	Mytilidae	Perna	canaliculus
MNK519	Perinereis Perinereis-A	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Perinereis	Perinereis-A
MNK519	Lepidonotus polychromus Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK519	Schistomerings loveni (Kinberg, 1865)	Animalia	Annelida	Polychaeta	Eunicida	Dorvilleidae	Schistomerings	loveni
MNK519	Notomithrax minor (Filhol, 1885)	Animalia	Arthropoda	Malacostraca	Decapoda	Majidae	Notomithrax	minor
MNK519	Diadumenidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae		
MNK519	Mimetridium cryptum	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK519	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK519	opisthobranchia	Animalia	Mollusca	opisthobranchia				
MNK519	Perna canaliculus (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloidea	Mytilidae	Perna	canaliculus
MNK519	Platyhelminthes	Animalia	Platyhelminthes					
MNK519	Detritus							
MNK524	Orbiniidae	Animalia	Annelida	Polychaeta	Scolecida	Orbiniidae		
MNK524	Armandia maculata (Webster, 1884)	Animalia	Annelida	Polychaeta	Scolecida	Opheliidae	Armandia	maculata
MNK524	Cossura consimilis Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK524	Glycera lamelliformis McIntosh, 1885	Animalia	Annelida	Polychaeta	Phyllodocida	Glyceridae	Glycera	lamelliformis
MNK524	Glycinde trifida (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadiidae	Glycinde	trifida
MNK524	Heteromastus filiformis (Claparedes, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK524	Lepidonotus polychromus Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK524	Nicon aestuariensis Knox, 1951	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nicon	aestuariensis
MNK524	Pherusa parmata (Grube, 1878)	Animalia	Annelida	Polychaeta	Terebellida	Flabelligeridae	Pherusa	parmata
MNK524	Schistomerings loveni (Kinberg, 1865)	Animalia	Annelida	Polychaeta	Eunicida	Dorvilleidae	Schistomerings	loveni
MNK524	Macrophthalmus hirtipes (Jacquinot, 1853)	Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	Macrophthalmus	hirtipes
MNK524	Torridoharpinia hurleyi (Barnard, 1958)	Animalia	Arthropoda	Malacostraca	Amphipoda	Phoxocephalidae	Torridoharpinia	hurleyi
MNK524	Alcyonium	Animalia	Bryozoa	Gymnolaemata	Ctenosomatida	Alcyoniidae	Alcyonium	
MNK524	Conopeum oreiensis Uttley, 1951	Animalia	Bryozoa	Gymnolaemata	Cheilostomatida	Electridae	Conopeum	oreiensis
MNK524	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK524	Acanthochitona zelandica (Quoy & Gaimard,	Animalia	Mollusca	Polyplacophora	Neoloricata	Acanthochitonidae	Acanthochitona	zelandica
MNK524	Nucula hartvigiana Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK524	Ruditapes largillierti (Philippi, 1849)	Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	Ruditapes	largillierti
MNK524	Phoronis psammophila Cori, 1889	Animalia	Phoronida			Phoronidae	Phoronis	psammophila
MNK524	Solieria alien sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Soliariaceae	Solieria	alien sp
MNK525	Lepidonotus polychromus Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK525	Phyllodocidae	Animalia	Annelida	Polychaeta	Phyllodocida	Phyllodocidae		
MNK525	Neanthes kerguelensis (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Neanthes	kerguelensis

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK525	Ophiodromus angustifrons (Grube, 1878)	Animalia	Annelida	Polychaeta	Phyllodocida	Hesionidae	Ophiodromus	angustifrons
MNK525	Prionospio aucklandica Augener, 1923	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Prionospio	aucklandica
MNK525	Syllidae	Animalia	Annelida	Polychaeta	Phyllodocida	Syllidae		
MNK525	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK525	Torridoharpinia hurleyi (Barnard, 1958)	Animalia	Arthropoda	Malacostraca	Amphipoda	Phoxocephalidae	Torridoharpinia	hurleyi
MNK525	Diadumenidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae		
MNK525	Mimetridium cryptum	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK525	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK525	Perna canaliculus (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloida	Mytilidae	Perna	canaliculus
MNK525	Cysts	Protozoa						
MNK525	Detritus	Detritus						
MNK526	Pseudopista rostrata Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Pseudopista	rostrata
MNK526	Syllidae	Animalia	Annelida	Polychaeta	Phyllodocida	Syllidae		
MNK526	Demonax Demonax-B	Animalia	Annelida	Polychaeta	Sabellida	Sabellidae	Demonax	Demonax-B
MNK526	Lepidastheniella comma (Thomson, 1902)	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidastheniella	comma
MNK526	Lepidonotus polychromus Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK526	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK526	Neohymenicus pubescens (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK526	Parawaldeckia vesca Lowry & Stoddard, 1983	Animalia	Arthropoda	Malacostraca	Amphipoda	Melitidae	Parawaldeckia	vesca
MNK526	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK526	Caberea rostrata Busk, 1884	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Candidae	Caberea	rostrata
MNK526	Molgula mortensenii (Michaelsen, 1922)	Animalia	Chordata	Ascidiae	Pleurogona	Molgulidae	Molgula	mortensenii
MNK526	Aiptasiomorpha cf. minima (Stephenson, 1918)	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae	Aiptasiomorpha	cf. minima
MNK526	Hydrozoa	Animalia	Cnidaria	Hydrozoa				
MNK526	Mimetridium cryptum	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK526	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK526	Zegalerus tenuis (Gray, 1867)	Animalia	Mollusca	Gastropoda	Neotaenioglossa	Calyptraeidae	Zegalerus	tenuis
MNK526	Cysts	Protozoa						
MNK526	Detritus	Detritus						
MNK526	Unidentifiable	Unidentifiable						
MNK527	Potamilla potamilla-A Undescribed	Animalia	Annelida	Polychaeta	Sabellida	Sabellidae	Potamilla	potamilla-A
MNK527	Lepidonotus polychromus Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK527	Pirakia pirakia-A	Animalia	Annelida	Polychaeta	Phyllodocida	Phyllodocidae	Pirakia	pirakia-A
MNK527	Pseudopista rostrata Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Pseudopista	rostrata
MNK527	Schistomerings loveni (Kinberg, 1865)	Animalia	Annelida	Polychaeta	Eunicida	Dorvilleidae	Schistomerings	loveni
MNK527	Streblosoma toddae Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddæ
MNK527	Neohymenicus pubescens (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK527	Paradexamine sp.	Animalia	Arthropoda	Malacostraca	Amphipoda	Dexaminidae	Paradexamine	
MNK527	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK527	Mimetridium cryptum	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK527	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK527	opisthobranchia	Animalia	Mollusca	opisthobranchia				
MNK527	Cysts	Protozoa						
MNK527	Detritus	Detritus						
MNK528	Prionospio aucklandica Augener, 1923	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Prionospio	aucklandica
MNK528	Sabellidae	Animalia	Annelida	Polychaeta	Sabellida	Sabellidae		
MNK528	Terebellidae	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae		
MNK528	Armandia maculata (Webster, 1884)	Animalia	Annelida	Polychaeta	Scolecida	Opheliidae	Armandia	maculata
MNK528	Glycera ovigera Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Glyceridae	Glycera	ovigera
MNK528	Glycinde trifida (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadiidae	Glycinde	trifida

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK528	Heteromastus filiformis (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK528	Lepidastheniella comma (Thomson, 1902)	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidastheniella	comma
MNK528	Lumbrineridae	Animalia	Annelida	Polychaeta	Eunicida	Lumbrineridae		
MNK528	Pectinaria australis Ehlers, 1904	Animalia	Annelida	Polychaeta	Terebellida	Pectinariidae	Pectinaria	australis
MNK528	Prionospio multicristata Hutchings & Rainer	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Prionospio	multicristata
MNK528	Macrophthalmus hirtipes (Jacquinot, 1853)	Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	Macrophthalmus	hirtipes
MNK528	Notomithrax minor (Filhol, 1885)	Animalia	Arthropoda	Malacostraca	Decapoda	Majidae	Notomithrax	minor
MNK528	Torridoharpinia hurleyi (Barnard, 1958)	Animalia	Arthropoda	Malacostraca	Amphipoda	Phoxocephalidae	Torridoharpinia	hurleyi
MNK528	Alcyonidium	Animalia	Bryozoa	Gymnolaemata	Ctenosomatida	Alcyoniidae	Alcyonidium	
MNK528	Conopeum oretiensis Utley, 1951	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Electridae	Conopeum	oretiensis
MNK528	Microporella agonistes Gordon, 1989	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Microporellidae	Microporella	agonistes
MNK528	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK528	Acanthochitona zelandica (Quoy & Gaimard,	Animalia	Mollusca	Polyplacophora	Neoliricata	Acanthochitonidae	Acanthochitona	zelandica
MNK528	Maoricolpus roseus (Quoy & Gaimard, 1834)	Animalia	Mollusca	Gastropoda	Neotaenioglossa	Turritellidae	Maoricolpus	roseus
MNK528	Nucula hartvigiana Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculoida	Nuculidae	Nucula	hartvigiana
MNK528	Ruditapes largillieri (Philippi, 1849)	Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	Ruditapes	largillieri
MNK528	Zegalerus tenuis (Gray, 1867)	Animalia	Mollusca	Gastropoda	Neotaenioglossa	Calyptaeidae	Zegalerus	tenuis
MNK528	Gracilaria sp.	Plantae	Rhodophyta	Florideophyceae	Gracilariales	Gracilariceae	Gracilaria	
MNK528	Solieria alien sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Soliariaceae	Solieria	alien sp
MNK528	Cysts	Protozoa						
MNK529	Flabelligera affinis Sars, 1829	Animalia	Annelida	Polychaeta	Terebellida	Flabelligeridae	Flabelligera	affinis
MNK529	Demonax Demonax-B	Animalia	Annelida	Polychaeta	Sabellida	Sabellidae	Demonax	Demonax-B
MNK529	Protocirrineris nuchalis (Ehlers, 1907)	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae	Protocirrineris	nuchalis
MNK529	Streblosoma toddae Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddæ
MNK529	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK529	Neohy menicus pubescens (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohy menicus	pubescens
MNK529	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK529	Diadumenidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae		
MNK529	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK529	Perna canaliculus (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloida	Mytilidae	Perna	canaliculus
MNK529	Cysts	Protozoa						
MNK530	Protoperidinium sp. 1	Protozoa	Myzozoa	Dinophyceae	Peridinales	Peridiniaceae	Protoperidinium	sp. 1
MNK532	Demonax Demonax-B	Animalia	Annelida	Polychaeta	Sabellida	Sabellidae	Demonax	Demonax-B
MNK532	Lepidastheniella comma (Thomson, 1902)	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidastheniella	comma
MNK532	Lepidonotus polychromus Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK532	Pherusa parmata (Grube, 1878)	Animalia	Annelida	Polychaeta	Terebellida	Flabelligeridae	Pherusa	parmata
MNK532	Protocirrineris nuchalis (Ehlers, 1907)	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae	Protocirrineris	nuchalis
MNK532	Streblosoma toddae Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddæ
MNK532	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK532	Neohy menicus pubescens (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohy menicus	pubescens
MNK532	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK532	Pilumnopaeus serratifrons (Kinahan, 1856)	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Pilumnopaeus	serratifrons
MNK532	Caberea rostrata Busk, 1884	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Candidae	Caberea	rostrata
MNK532	Diplosoma listerianum (Milne-Edwards, 1841)	Animalia	Chordata	Asciidae	Enterogona	Didemnidiae	Diplosoma	listerianum
MNK532	Microcosmus squamiger Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidae	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK532	Molgula mortenseni (Michaelsen, 1922)	Animalia	Chordata	Asciidae	Pleurogona	Molgulidae	Molgula	mortenseni
MNK532	Mimetridium cryptum	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK532	Amphiura annulifera Mortensen, 1924	Animalia	Echinodermata	Ophiuroidea	Ophiurida	Amphiuridae	Amphiura	annulifera
MNK532	Acanthochitona zelandica (Quoy & Gaimard,	Animalia	Mollusca	Polyplacophora	Neoliricata	Acanthochitonidae	Acanthochitona	zelandica
MNK532	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK532	<i>Perna canaliculus</i> (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloidea	Mytilidae	Perna	canaliculus
MNK533	<i>Lepidastheniella comma</i> (Thomson, 1902)	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidastheniella	comma
MNK533	<i>Lepidonotus polychromus</i> Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK533	<i>Protocirrineris nuchalis</i> (Ehlers, 1907)	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae	Protocirrineris	nuchalis
MNK533	<i>Pseudopista rostrata</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Pseudopista	rostrata
MNK533	<i>Streblosoma toddae</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddæ
MNK533	<i>Iysmata vittata</i> (Stimpson, 1860)	Animalia	Arthropoda	Malacostraca	Decapoda	Hippolytidae	Iysmata	vittata
MNK533	<i>Amphibalanus variegatus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK533	<i>Neohymenicus pubescens</i> (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK533	<i>Notomithrax minor</i> (Filhol, 1885)	Animalia	Arthropoda	Malacostraca	Decapoda	Majidae	Notomithrax	minor
MNK533	<i>Notomithrax minor</i> (Filhol, 1885)	Animalia	Arthropoda	Malacostraca	Decapoda	Majidae	Notomithrax	minor
MNK533	<i>Petrolisthes elongatus</i> (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK533	<i>Pilumnopeus serratifrons</i> (Kinahan, 1856)	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Pilumnopeus	serratifrons
MNK533	<i>Caberea rostrata</i> Busk, 1884	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Candidae	Caberea	rostrata
MNK533	<i>Molgula mortensenii</i> (Michaelsen, 1922)	Animalia	Chordata	Asciidae	Pleurogona	Molgulidae	Molgula	mortensenii
MNK533	<i>Mimetridium cryptum</i>	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK533	<i>Acanthochiton zelandica</i> (Quoy & Gaimard,	Animalia	Mollusca	Polyplocophora	Neoloricata	Acanthochitonidae	Acanthochiton	zelandica
MNK533	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK533	<i>Perna canaliculus</i> (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloidea	Mytilidae	Perna	canaliculus
MNK534	<i>Flabelligera affinis</i> Sars, 1829	Animalia	Annelida	Polychaeta	Terebellida	Flabelligeridae	Flabelligera	affinis
MNK534	<i>Lepidastheniella comma</i> (Thomson, 1902)	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidastheniella	comma
MNK534	<i>Lepidonotus polychromus</i> Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK534	<i>Pherusa parmata</i> (Grube, 1878)	Animalia	Annelida	Polychaeta	Terebellida	Flabelligeridae	Pherusa	parmata
MNK534	<i>Pseudopista rostrata</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Pseudopista	rostrata
MNK534	<i>Streblosoma toddae</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddæ
MNK534	<i>Amphibalanus variegatus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK534	<i>Neohymenicus pubescens</i> (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK534	<i>Notomithrax minor</i> (Filhol, 1885)	Animalia	Arthropoda	Malacostraca	Decapoda	Majidae	Notomithrax	minor
MNK534	<i>Periclimenes yaldwyni</i> Holthuis, 1959	Animalia	Arthropoda	Malacostraca	Decapoda	Palaemonidae	Periclimenes	yaldwyni
MNK534	<i>Petrolisthes elongatus</i> (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK534	<i>Caberea rostrata</i> Busk, 1884	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Candidae	Caberea	rostrata
MNK534	<i>Corella eumyota</i> Traustedt, 1882	Animalia	Chordata	Asciidae	Enterogona	Corellidae	Corella	eumyota
MNK534	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidae	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK534	<i>Molgula mortensenii</i> (Michaelsen, 1922)	Animalia	Chordata	Asciidae	Pleurogona	Molgulidae	Molgula	mortensenii
MNK534	<i>Mimetridium cryptum</i>	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK534	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK534	<i>Perna canaliculus</i> (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloidea	Mytilidae	Perna	canaliculus
MNK535	<i>Flabelligera affinis</i> Sars, 1829	Animalia	Annelida	Polychaeta	Terebellida	Flabelligeridae	Flabelligera	affinis
MNK535	<i>Lepidastheniella comma</i> (Thomson, 1902)	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidastheniella	comma
MNK535	<i>Lepidonotus polychromus</i> Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK535	<i>Protocirrineris nuchalis</i> (Ehlers, 1907)	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae	Protocirrineris	nuchalis
MNK535	<i>Pseudopista rostrata</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Pseudopista	rostrata
MNK535	<i>Streblosoma toddae</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddæ
MNK535	<i>Amphibalanus variegatus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK535	<i>Austrominius modestus</i> Darwin, 1854	Animalia	Arthropoda	Maxillopoda	Sessilia	Archaeobalanidae	Austrominius	modestus
MNK535	<i>Neohymenicus pubescens</i> (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK535	<i>Parawaldeckia vesca</i> Lowry & Stoddard, 1983	Animalia	Arthropoda	Malacostraca	Amphipoda	Melitidae	Parawaldeckia	vesca
MNK535	<i>Petrolisthes elongatus</i> (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK535	<i>Caberea rostrata</i> Busk, 1884	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Candidae	Caberea	rostrata
MNK535	<i>Corella eumyota</i> Traustedt, 1882	Animalia	Chordata	Asciidae	Enterogona	Corellidae	Corella	eumyota

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species	
MNK535	<i>Molgula mortensenii</i> (Michaelsen, 1922)	Animalia	Chordata	Asciidiacea	Pleurogona	Molgulidae	Molgula	mortensenii	
MNK535	Hydrozoa	Animalia	Cnidaria	Hydrozoa					
MNK535	<i>Mimetridium cryptum</i>	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum	
MNK535	<i>Acanthochitona zelandica</i> (Quoy & Gaimard,	Animalia	Mollusca	Polyplacophora	Neoloricata	Acanthochitonidae	Acanthochitona	zelandica	
MNK535	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas	
MNK535	<i>Perna canaliculus</i> (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloidea	Mytilidae	Perna	canaliculus	
MNK536	<i>Boccardia syrtis</i> (Rainer, 1973)	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Boccardia	syrtis	
MNK536	<i>Lepidastheniella comma</i> (Thomson, 1902)	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidastheniella	comma	
MNK536	<i>Lepidonotus polychromus</i> Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus	
MNK536	<i>Pherusa parmata</i> (Grube, 1878)	Animalia	Annelida	Polychaeta	Terebellida	Flabelligeridae	Pherusa	parmata	
MNK536	<i>Protocirrineris nuchalis</i> (Ehlers, 1907)	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae	Protocirrineris	nuchalis	
MNK536	<i>Pseudopista rostrata</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Pseudopista	rostrata	
MNK536	<i>Streblosoma toddae</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddæ	
MNK536	<i>Amphibalanus variegatus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus	
MNK536	<i>Austrominius modestus</i> Darwin, 1854	Animalia	Arthropoda	Maxillopoda	Sessilia	Archaeobalanidae	Austrominius	modestus	
MNK536	<i>Neohymenicus pubescens</i> (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens	
MNK536	<i>Notomithrax minor</i> (Filhol, 1885)	Animalia	Arthropoda	Malacostraca	Decapoda	Majidae	Notomithrax	minor	
MNK536	<i>Periclimenes yaldwyni</i> Holthuis, 1959	Animalia	Arthropoda	Malacostraca	Decapoda	Palaemonidae	Periclimenes	yaldwyni	
MNK536	<i>Petrolisthes elongatus</i> (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus	
MNK536	<i>Diplosoma listerianum</i> (Milne-Edwards, 1841)	Animalia	Chordata	Asciidiacea	Enterogona	Didemnidae	Diplosoma	listerianum	
MNK536	<i>Molgula mortensenii</i> (Michaelsen, 1922)	Animalia	Chordata	Asciidiacea	Pleurogona	Molgulidae	Molgula	mortensenii	
MNK536	Diadumenidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae			
MNK536	<i>Mimetridium cryptum</i>	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum	
MNK536	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Mytiloidea	Mytilidae	Perna	canaliculus	
MNK536	<i>Perna canaliculus</i> (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloidea	Mytilidae	Lepidonotus	polychromus	
MNK537	<i>Lepidonotus polychromus</i> Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Terebellidae	Pseudopista	rostrata
MNK537	<i>Pseudopista rostrata</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Terebellidae	Streblosoma	toddæ
MNK537	<i>Streblosoma toddae</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Balanidae	Amphibalanus	variegatus
MNK537	<i>Amphibalanus variegatus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Decapoda	Hymenosomatidae	Halicarcinus	varius
MNK537	<i>Halicarcinus varius</i> (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens	
MNK537	<i>Neohymenicus pubescens</i> (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Majidae	Notomithrax	minor	
MNK537	<i>Notomithrax minor</i> (Filhol, 1885)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus	
MNK537	<i>Petrolisthes elongatus</i> (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Decapoda	Pilumnidae	Pilumnus	lumpinus
MNK537	<i>Pilumnus lumpinus</i> Bennett, 1964	Animalia	Arthropoda	Malacostraca	Decapoda	Decapoda	Didemnum	Didemnum	listerianum
MNK537	Didemnum sp.	Animalia	Chordata	Asciidiacea	Enterogona	Didemnidae	Diplosoma	cf. minima	Aiptasiomorpha
MNK537	<i>Diplosoma listerianum</i> (Milne-Edwards, 1841)	Animalia	Chordata	Asciidiacea	Enterogona	Didemnidae	Aiptasiomorpha	gigas	Crassostrea
MNK537	<i>Aiptasiomorpha cf. minima</i> (Stephenson, 1918)	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae	Ostreidae	Crassostrea	gigas
MNK537	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Mytilidae	Perna	canaliculus
MNK537	<i>Perna canaliculus</i> (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloidea	Sabellidae	Sabellidae	Demonax	Demonax-B
MNK538	Demonax Demonax-B	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Phyllodocida	Nereididae	Neanthes
MNK538	<i>Lepidonotus polychromus</i> Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Terebellida	Pyromia	tuberculata
MNK538	<i>Neanthes kerguelensis</i> (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Terebellida	Flabelligeridae	Amphibalanus	variegatus
MNK538	<i>Pherusa parmata</i> (Grube, 1878)	Animalia	Annelida	Polychaeta	Phyllodocida	Terebellida	Terebellidae	Hericarcinus	varius
MNK538	<i>Protocirrineris nuchalis</i> (Ehlers, 1907)	Animalia	Annelida	Polychaeta	Phyllodocida	Terebellida	Cirratulidae	Epopella	plicata
MNK538	<i>Poprella plicata</i> (Gray, 1843)	Animalia	Arthropoda	Maxillopoda	Sessilia	Sessilia	Majidae	Pyromia	tuberculata
MNK538	<i>Pyromia tuberculata</i> (Lockington, 1877)	Animalia	Arthropoda	Malacostraca	Decapoda	Decapoda	Balanidae	Hericarcinus	variegatus
MNK538	<i>Amphibalanus variegatus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK538	<i>Halicarcinus varius</i> (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Decapoda	Majidae	Notomithrax	minor
MNK538	<i>Neohymenicus pubescens</i> (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Decapoda			
MNK538	<i>Notomithrax minor</i> (Filhol, 1885)	Animalia	Arthropoda	Malacostraca	Decapoda	Decapoda			

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK538	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK538	Caberea rostrata Busk, 1884	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Candidae	Caberea	rostrata
MNK538	Molgula mortenseni (Michaelsen, 1922)	Animalia	Chordata	Asciidae	Pleurogona	Molgulidae	Molgula	mortenseni
MNK538	Aiptasiomorpha cf. minima (Stephenson, 1918)	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae	Aiptasiomorpha	cf. minima
MNK538	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK538	Perna canaliculus (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloidea	Mytilidae	Perna	canaliculus
MNK539	Lumbrineris sphaerocephala (Schmarda, 1861)	Animalia	Annelida	Polychaeta	Eunicida	Lumbrineridae	Lumbrineris	sphaerocephala
MNK539	Lepidonotus polychromus Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK539	Neanthes kerguelensis (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Neanthes	kerguelensis
MNK539	Pherusa parmata (Grube, 1878)	Animalia	Annelida	Polychaeta	Terebellida	Flabelligeridae	Pherusa	parmata
MNK539	Protocirrineris nuchalis (Ehlers, 1907)	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae	Protocirrineris	nuchalis
MNK539	Pseudopista rostrata Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Pseudopista	rostrata
MNK539	Streblosoma toddae Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddæ
MNK539	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK539	Halicarcinus varius (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Halicarcinus	varius
MNK539	Neohymenicus pubescens (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK539	Notomithrax minor (Filhol, 1885)	Animalia	Arthropoda	Malacostraca	Decapoda	Majidae	Notomithrax	minor
MNK539	Periclimenes yaldwyni Holthuis, 1959	Animalia	Arthropoda	Malacostraca	Decapoda	Palaemonidae	Periclimenes	yaldwyni
MNK539	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK539	Pilumnopeus serratifrons (Kinahan, 1856)	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Pilumnopeus	serratifrons
MNK539	Pilumnus lumpinus Bennett, 1964	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Pilumnus	lumpinus
MNK539	Caberea rostrata Busk, 1884	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Candidae	Caberea	rostrata
MNK539	Molgula mortenseni (Michaelsen, 1922)	Animalia	Chordata	Asciidae	Pleurogona	Molgulidae	Molgula	mortenseni
MNK539	Mimetridium cryptum	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK539	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK539	Perna canaliculus (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloidea	Mytilidae	Perna	canaliculus
MNK540	Demonax Demonax-B	Animalia	Annelida	Polychaeta	Sabellida	Sabellidae	Demonax	Demonax-B
MNK540	Perinereis pseudocamiguina Augener, 1922	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Perinereis	pseudocamiguina
MNK540	Pherusa parmata (Grube, 1878)	Animalia	Annelida	Polychaeta	Terebellida	Flabelligeridae	Pherusa	parmata
MNK540	Polydora hoplura Claparede, 1870	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Polydora	hoplura
MNK540	Flabelligera affinis Sars, 1829	Animalia	Annelida	Polychaeta	Terebellida	Flabelligeridae	Flabelligera	affinis
MNK540	Lepidonotus polychromus Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK540	Protocirrineris nuchalis (Ehlers, 1907)	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae	Protocirrineris	nuchalis
MNK540	Pseudopista rostrata Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Pseudopista	rostrata
MNK540	Streblosoma toddae Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddæ
MNK540	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK540	Neohymenicus pubescens (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK540	Notomithrax minor (Filhol, 1885)	Animalia	Arthropoda	Malacostraca	Decapoda	Majidae	Notomithrax	minor
MNK540	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK540	Caberea rostrata Busk, 1884	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Candidae	Caberea	rostrata
MNK540	Molgula mortenseni (Michaelsen, 1922)	Animalia	Chordata	Asciidae	Pleurogona	Molgulidae	Molgula	mortenseni
MNK540	Mimetridium cryptum	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK540	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK540	Perna canaliculus (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloidea	Mytilidae	Perna	canaliculus
MNK540	Thysanozoon aucklandica Cheeseman, 1883	Animalia	Platyhelminthes	Turbellaria	Polycladida	Pseudoceritidae	Thysanozoon	aucklandica
MNK543	Cysts	Protozoa						
MNK544	Cysts	Protozoa						
MNK549	Actinoptychus senarius (Ehrenberg) Ehrenberg 1843	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Heliopelaceae	Actinoptychus	senarius
MNK549	Ditylum brightwelli (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK549	Gyrosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK549	Lithodesmium undulatum Ehrenberg 1839	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Lithodesmium	undulatum
MNK549	Melosira sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	
MNK549	Nitzschia sp.	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Nitzschia	
MNK549	Odontella sinensis (Greville) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Odontella	sinensis
MNK549	Pleurosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK549	Pseudonitzschia australis Frenguelli, 1939	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Pseudonitzschia	australis
MNK549	Stephanopyxis orbicularis Wood et al. 1959	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Stephanopyxidaceae	Stephanopyxis	orbicularis
MNK549	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	
MNK549	Thalassiosira rotula Meunier 1915	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	rotula
MNK549	Triceratium favus Ehrenberg 1839	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Triceratium	favus
MNK550	Actinptychus senarius (Ehrenberg) Ehrenberg 1843	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Heliopeلتaceae	Actinptychus	senarius
MNK550	Coscinodiscus wailesii Gran & Angst, 1931	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Coscinodiscaceae	Coscinodiscus	wailesii
MNK550	Cylindrotheca closterium (Ehrenberg) Reimann & Lewin 1960	Chromista	Bacillariophyta	Bacillariophyceae	Bacillariales	Bacillariaceae	Cylindrotheca	closterium
MNK550	Ditylum brightwelli (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK550	Gyrosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK550	Melosira sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	
MNK550	Odontella sinensis (Greville) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Odontella	sinensis
MNK550	Pleurosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK550	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosira	Thalassiosiraceae	Thalassiosira	
MNK551	Zooplankton	Animalia						
MNK552	Zooplankton	Animalia						
MNK553	Zooplankton	Animalia						
MNK556	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK559	Aglaophamus macroura (Schmarda, 1861)	Animalia	Annelida	Polychaeta	Phyllodocida	Nephtyidae	Aglaophamus	macroura
MNK559	Macrolymenella stewartensis Augener 1926	Animalia	Annelida	Polychaeta	Scolecida	Maldanidae	Macrolymenella	stewartensis
MNK559	Aricidea aricidea-B undescribed	Animalia	Annelida	Polychaeta	Orbiniida	Paraoenidae	Aricidea	aricidea-B
MNK559	Carazzia philippensis Blake & Kudenov, 1978	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Carazzia	philippensis
MNK559	Glycinde trifida (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadidae	Glycinde	trifida
MNK559	Labiosthenolepis laevis (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Sigalionidae	Labiosthenolepis	laevis
MNK559	Magelona dakini Jones, 1978	Animalia	Annelida	Polychaeta	Spionida	Magelonidae	Magelona	dakini
MNK559	Owenia petersenae Koh & Baud, 2003	Animalia	Annelida	Polychaeta	Sabellida	Oweniidae	Owenia	petersenae
MNK559	Natatolana rossi (Miers, 1876)	Animalia	Arthropoda	Malacostraca	Isopoda	Cirolanidae	Natatolana	rossi
MNK559	Caprella equilibra Say, 1818	Animalia	Arthropoda	Malacostraca	Amphipoda	Caprellidae	Caprella	equilibra
MNK559	Crustacea	Animalia	Arthropoda					
MNK559	Paguristes setosus (Milne Edwards, 1848)	Animalia	Arthropoda	Malacostraca	Decapoda	Diogenidae	Paguristes	setosus
MNK559	Myadora striata (Quoy & Gaimard, 1835)	Animalia	Mollusca	Bivalvia	Pholadomyoida	Myochamidae	Myadora	striata
MNK559	Zegalerus tenuis (Gray, 1867)	Animalia	Mollusca	Gastropoda	Neotaenioglossa	Calyptaeidae	Zegalerus	tenuis
MNK559	Phoronis psammophila Cori, 1889	Animalia	Phoronida			Phoronidae	Phoronis	psammophila
MNK560	Macrophthalmus hirtipes (Jacquinot, 1853)	Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	Macrophthalmus	hirtipes
MNK560	Pilumnopeus serratifrons (Kinahan, 1856)	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Pilumnopeus	serratifrons
MNK560	Alcyoniumidium	Animalia	Bryozoa	Gymnolaemata	Ctenosomatida	Alcyoniidae	Alcyoniumidium	
MNK560	Conopeum oreiensis Uttley, 1951	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Electridae	Conopeum	oretiensis
MNK560	Zegalerus tenuis (Gray, 1867)	Animalia	Mollusca	Gastropoda	Neotaenioglossa	Calyptaeidae	Zegalerus	tenuis
MNK560	Protoperidinium sp. 1	Protozoa	Myzozoa	Dinophyceae	Peridinales	Peridiniaceae	Protoperidinium	sp. 1
MNK561	Neanthes aff. succinea	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Neanthes	aff. succinea
MNK561	Paraonidae	Animalia	Annelida	Polychaeta	Orbiniida	Paraonidae		
MNK561	Aglaophamus macroura (Schmarda, 1861)	Animalia	Annelida	Polychaeta	Phyllodocida	Nephtyidae	Aglaophamus	macroura
MNK561	Magelona dakini Jones, 1978	Animalia	Annelida	Polychaeta	Spionida	Magelonidae	Magelona	dakini
MNK561	Owenia petersenae Koh & Baud, 2003	Animalia	Annelida	Polychaeta	Sabellida	Oweniidae	Owenia	petersenae
MNK561	Pectinaria australis Ehlers, 1904	Animalia	Annelida	Polychaeta	Terebellida	Pectinariidae	Pectinaria	australis

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK561	Alcyonidium	Animalia	Bryozoa	Gymnolaemata	Ctenosomata	Alcyoniidae	Alcyonidium	
MNK561	Conopeum oretiensis Uttley, 1951	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Electridae	Conopeum	oretiensis
MNK561	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK561	Amphiura annulifera Mortensen, 1924	Animalia	Echinodermata	Ophiuroidea	Ophiurida	Amphiuridae	Amphiura	annulifera
MNK561	Nemertea	Animalia	Nemertea					
MNK561	Phoronis psammophila Cori, 1889	Animalia	Phoronida			Phoronidae	Phoronis	psammophila
MNK561	Solieria alien sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Solariaceae	Solieria	alien sp
MNK563	Cysts	Protozoa						
MNK564	Cysts	Protozoa						
MNK565	Protoperidinium sp. 1	Protozoa	Myzozoa	Dinophyceae	Peridinales	Peridiniaceae	Protoperidinium	sp. 1
MNK566	Lumbrineridae	Animalia	Annelida	Polychaeta	Eunicida	Lumbrineridae		
MNK566	Monocorophium acherusicum (Costa, 1857)	Animalia	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Monocorophium	acherusicum
MNK566	Parasterope sp.	Animalia	Arthropoda	Ostracoda	Myodocopida	Cylindroleberididae	Parasterope	
MNK566	Conopeum oretiensis Uttley, 1951	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Electridae	Conopeum	oretiensis
MNK566	Amphiura annulifera Mortensen, 1924	Animalia	Echinodermata	Ophiuroidea	Ophiurida	Amphiuridae	Amphiura	annulifera
MNK566	Zethalia zelandica (Hombron & Jacquinot, 1855)	Animalia	Mollusca	Gastropoda	Vetigastropoda	Trochidae	Zethalia	zelandica
MNK566	Zenatia acinaces (Quoy & Gaimard, 1835)	Animalia	Mollusca	Bivalvia	Veneroida	Mactridae	Zenatia	acinaces
MNK566	Solieria alien sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Solariaceae	Solieria	alien sp
MNK566	Unidentifiable	Unidentifiable						
MNK567	Cirratulidae	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae		
MNK567	Lepidonotus polychromus Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK567	Marpysa capensis (Schmarda, 1861)	Animalia	Annelida	Polychaeta	Eunicida	Eunicidae	Marpysa	capensis
MNK567	Pherusa parmata (Grube, 1878)	Animalia	Annelida	Polychaeta	Terebellida	Flabelligeridae	Pherusa	parmata
MNK567	Pinnotheres novaezelandiae Filhol, 1885	Animalia	Arthropoda	Malacostraca	Decapoda	Pinnotheridae	Pinnotheres	novaezelandiae
MNK567	Conopeum oretiensis Uttley, 1951	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Electridae	Conopeum	oretiensis
MNK567	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK567	Amphiura annulifera Mortensen, 1924	Animalia	Echinodermata	Ophiuroidea	Ophiurida	Amphiuridae	Amphiura	annulifera
MNK567	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK567	Phoronis psammophila Cori, 1889	Animalia	Phoronida			Phoronidae	Phoronis	psammophila
MNK567	Solieria alien sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Solariaceae	Solieria	alien sp
MNK567	Sipuncula	Animalia	Sipuncula					
MNK569	Coscinodiscus	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Coscinodiscaceae	Coscinodiscus	
MNK569	Gyrosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK569	Pleurosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK569	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Thalassiosiraceae	Thalassiosira	
MNK570	Actinptychus senarius (Ehrenberg) Ehrenberg 1843	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Heliopeltaceae	Actinptychus	senarius
MNK570	Coscinodiscus	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Coscinodiscaceae	Coscinodiscus	
MNK570	Detonula sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Skeletonemaceae	Detonula	
MNK570	Ditylum brightwelli (T. West) Grunow ex Van Heurck 1883	Chromista	Bacillariophyta	Coscinodiscophyceae	Lithodesmidales	Lithodesmiaceae	Ditylum	brightwelli
MNK570	Gyrosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Gyrosigma	
MNK570	Hyalodiscus sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Hyalodiscaceae	Hyalodiscus	
MNK570	Melosira sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	Melosira	
MNK570	Odontella mobiliensis (Bailey) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Odontella	mobiliensis
MNK570	Odontella sinensis (Greville) Grunow 1884	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Odontella	sinensis
MNK570	Pleurosigma sp.	Chromista	Bacillariophyta	Bacillariophyceae	Naviculales	Pleurosigmataceae	Pleurosigma	
MNK570	Thalassiosira	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Thalassiosiraceae	Thalassiosira	
MNK570	Triceratium alternans J.W. Bailey 1851	Chromista	Bacillariophyta	Coscinodiscophyceae	Triceratiales	Triceratiaceae	Triceratium	alternans
MNK571	Coscinodiscus	Chromista	Bacillariophyta	Coscinodiscophyceae	Coscinodiscales	Coscinodiscaceae	Coscinodiscus	
MNK571	Detonula sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Skeletonemaceae	Detonula	
MNK571	Detonula sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Skeletonemaceae	Detonula	

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK571	<i>Melosira</i> sp.	Chromista	Bacillariophyta	Coscinodiscophyceae	Melosirales	Melosiraceae	<i>Melosira</i>	
MNK571	<i>Thalassiosira</i>	Chromista	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Thalassiosiraceae	<i>Thalassiosira</i>	
MNK572	Zooplankton	Animalia						
MNK573	Zooplankton	Animalia						
MNK574	Zooplankton	Animalia						
MNK576	Protoperidinium sp. 1	Protozoa	Myzozoa	Dinophyceae	Peridinales	Peridiniaceae	Protoperidinium	sp. 1
MNK577	Protoperidinium sp. 1	Protozoa	Myzozoa	Dinophyceae	Peridinales	Peridiniaceae	Protoperidinium	sp. 1
MNK579	<i>Paradoneis lyra</i> (Southern, 1914)	Animalia	Annelida	Polychaeta	Orbiniida	Paraonidae	Paradoneis	lyra
MNK579	<i>Armandia maculata</i> (Webster, 1884)	Animalia	Annelida	Polychaeta	Scolecida	Opheliidae	Armandia	maculata
MNK579	<i>Glycinde trifida</i> (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadiidae	Glycinde	trifida
MNK579	<i>Hemipodus simplex</i> Grube, 1857	Animalia	Annelida	Polychaeta	Phyllodocida	Glyceridae	Hemipodus	simplex
MNK579	<i>Heteromastus filiformis</i> (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK579	<i>Pectinaria australis</i> Ehlers, 1904	Animalia	Annelida	Polychaeta	Terebellida	Pectinariidae	Pectinaria	australis
MNK579	<i>Periclimenes yaldwyni</i> Holthuis, 1959	Animalia	Arthropoda	Malacostraca	Decapoda	Palaemonidae	Periclimenes	yaldwyni
MNK579	Bivalvia	Animalia	Mollusca	Bivalvia				
MNK579	<i>Dosinia crebra</i> (Hutton, 1873)	Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	Dosinia	crebra
MNK579	Detritus	Detritus						
MNK580	<i>Microphthalmus riseri</i> Westheide, 1994	Animalia	Annelida	Polychaeta	Phyllodocida	Hesionidae	Microphthalmus	riseri
MNK580	Oligochaeta	Animalia	Annelida	Oligochaeta				
MNK580	<i>Glycinde trifida</i> (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadiidae	Glycinde	trifida
MNK580	<i>Heteromastus filiformis</i> (Claparede, 1864)	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Heteromastus	filiformis
MNK580	Notomastus Notomastus-B Read, undescribed	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Notomastus	Notomastus-B
MNK580	Paraonidae	Animalia	Annelida	Polychaeta	Orbiniida	Paraonidae		
MNK580	<i>Prionospio multicristata</i> Hutchings & Rainer	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Prionospio	multicristata
MNK580	Cirripedia	Animalia	Arthropoda	Maxillopoda				
MNK580	Cymbicopia	Animalia	Arthropoda	Ostracoda	Myodocopida	Sarsiellidae	Cymbicopia	
MNK580	<i>Paguristes setosus</i> (Milne Edwards, 1848)	Animalia	Arthropoda	Malacostraca	Decapoda	Diogenidae	Paguristes	setosus
MNK580	<i>Torridoharpinia hurleyi</i> (Barnard, 1958)	Animalia	Arthropoda	Malacostraca	Amphipoda	Phoxocephalidae	Torridoharpinia	hurleyi
MNK580	Ascidiae	Animalia	Chordata	Asciidiacea				
MNK580	<i>Zethalia zelandica</i> (Hombron & Jacquinot, 1855)	Animalia	Mollusca	Gastropoda	Vetigastropoda	Trochidae	Zethalia	zelandica
MNK580	<i>Phoronis psammophila</i> Cori, 1889	Animalia	Phoronida			Phoronidae	Phoronis	psammophila
MNK581	Aricidea aricidea-B undescribed	Animalia	Annelida	Polychaeta	Orbiniida	Paraonidae	Aricidea	aricidea-B
MNK581	Lumbrineridae	Animalia	Annelida	Polychaeta	Eunicida	Lumbrineridae		
MNK581	<i>Magelona dakini</i> Jones, 1978	Animalia	Annelida	Polychaeta	Spionida	Magelonidae	Magelona	dakini
MNK581	Notomastus Notomastus-B Read, undescribed	Animalia	Annelida	Polychaeta	Scolecida	Capitellidae	Notomastus	Notomastus-B
MNK581	<i>Paguristes setosus</i> (Milne Edwards, 1848)	Animalia	Arthropoda	Malacostraca	Decapoda	Diogenidae	Paguristes	setosus
MNK581	Gracilaria sp.	Plantae	Rhodophyta	Florideophyceae		Gracilariales	Gracilaria	
MNK588	Cysts	Protozoa						
MNK596	<i>Armandia maculata</i> (Webster, 1884)	Animalia	Annelida	Polychaeta	Scolecida	Opheliidae	Armandia	maculata
MNK596	<i>Glycera lamelliformis</i> McIntosh, 1885	Animalia	Annelida	Polychaeta	Phyllodocida	Glyceridae	Glycera	lamelliformis
MNK596	<i>Lepidonotus polychromus</i> Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK596	Lumbrineridae	Animalia	Annelida	Polychaeta	Eunicida	Lumbrineridae		
MNK596	<i>Protocirrineris nuchalis</i> (Ehlers, 1907)	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae	Protocirrineris	nuchalis
MNK596	<i>Streblosoma toddae</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddæ
MNK596	<i>Alpheus richardsoni</i> Yaldwyn, 1971	Animalia	Arthropoda	Malacostraca	Decapoda	Alpheidae	Alpheus	richardsoni
MNK596	<i>Paguristes pilosus</i> (Milne-Edwards, 1836)	Animalia	Arthropoda	Malacostraca	Decapoda	Diogenidae	Paguristes	pilosus
MNK596	<i>Parawaldeckia vesca</i> Lowry & Stoddard, 1983	Animalia	Arthropoda	Malacostraca	Amphipoda	Melitidae	Parawaldeckia	vesca
MNK596	<i>Petrolisthes elongatus</i> (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK596	Asciaciacea	Animalia	Chordata	Asciaciacea				
MNK596	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK596	Zegalerus tenuis (Gray, 1867)	Animalia	Mollusca	Gastropoda	Neotaenioglossa	Calyptraeidae	Zegalerus	tenuis
MNK596	Solieria alien sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Soliariaceae	Solieria	alien sp
MNK597	Halicarcinus varius (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Halicarcinus	varius
MNK597	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK597	Amalda australis (Sowerby, 1830)	Animalia	Mollusca	Gastropoda	Neogastropoda	Olividae	Amalda	australis
MNK597	Detritus	Detritus						
MNK598	Aglaophamus aglaophamus-A Undescribed	Animalia	Annelida	Polychaeta	Phyllodocida	Nephytidae	Aglaophamus	aglaophamus-A
MNK598	Aglaophamus macroura (Schmarda, 1861)	Animalia	Annelida	Polychaeta	Phyllodocida	Nephytidae	Aglaophamus	macroura
MNK598	Cirratulidae	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae		
MNK598	Cossura consimilis Read, 2000	Animalia	Annelida	Polychaeta	Scolecida	Cossuridae	Cossura	consimilis
MNK598	Glycera lamelliformis McIntosh, 1885	Animalia	Annelida	Polychaeta	Phyllodocida	Glyceridae	Glycera	lamelliformis
MNK598	Glycinde trifida (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Goniadiidae	Glycinde	trifida
MNK598	Lepidastheniella comma (Thomson, 1902)	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidastheniella	comma
MNK598	Lumbrineridae	Animalia	Annelida	Polychaeta	Eunicida	Lumbrineridae		
MNK598	Macrolymenella stewartensis Augener 1926	Animalia	Annelida	Polychaeta	Scolecida	Maldanidae	Macrolymenella	stewartensis
MNK598	Nicon aestuariensis Knox, 1951	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nicon	aestuariensis
MNK598	Pherusa parmata (Grube, 1878)	Animalia	Annelida	Polychaeta	Terebellida	Flabelligeridae	Pherusa	parmata
MNK598	Prionospio aucklandica Augener, 1923	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Prionospio	aucklandica
MNK598	Protocirrineris nuchalis (Ehlers, 1907)	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae	Protocirrineris	nuchalis
MNK598	Pseudopista rostrata Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Pseudopista	rostrata
MNK598	Schistomerings loveni (Kinberg, 1865)	Animalia	Annelida	Polychaeta	Eunicida	Dorvilleidae	Schistomerings	loveni
MNK598	Streblosoma toddae Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddæ
MNK598	Austrominius modestus Darwin, 1854	Animalia	Arthropoda	Maxillopoda	Sessilia	Archaeobalanidae	Austrominius	modestus
MNK598	Neohymenicus pubescens (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK598	Notomithrax minor (Filhol, 1885)	Animalia	Arthropoda	Malacostraca	Decapoda	Majidae	Notomithrax	minor
MNK598	Torridoharpinia hurleyi (Barnard, 1958)	Animalia	Arthropoda	Malacostraca	Amphipoda	Phoxocephalidae	Torridoharpinia	hurleyi
MNK598	Antarctothoa tongima (Ryland & Gordon, 1977)	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Hippothoidae	Antarctothoa	tongima
MNK598	Conopeum oretiensis Uttley, 1951	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Electridae	Conopeum	oretiensis
MNK598	Ascidacea	Animalia	Chordata	Asciidiacea				
MNK598	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK598	Mimetridium cryptum	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK598	Amphitura annulifera Mortensen, 1924	Animalia	Echinodermata	Ophiuroidea	Ophiurida	Amphiuridae	Amphiura	annulifera
MNK598	Nucula hartvigiana Dohrn, 1864	Animalia	Mollusca	Bivalvia	Nuculida	Nuculidae	Nucula	hartvigiana
MNK598	Cominella adspersa (Brugière, 1789)	Animalia	Mollusca	Gastropoda	Neogastropoda	Buccinidae	Cominella	adspersa
MNK598	Solieria alien sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Soliariaceae	Solieria	alien sp
MNK598	Unidentifiable	Unidentifiable						
MNK599	Lepidonotus polychromus Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK599	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK599	Neohymenicus pubescens (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK599	Parawaldeckia vesca Lowry & Stoddard, 1983	Animalia	Arthropoda	Malacostraca	Amphipoda	Melitidae	Parawaldeckia	vesca
MNK599	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK599	Pilumnopeus serratifrons (Kinahan, 1856)	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Pilumnopeus	serratifrons
MNK599	Mobunula bicuspidis (Hincks, 1883)	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Petraliillidae	Mobunula	bicuspidis
MNK599	Caberea rostrata Busk, 1884	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Candidae	Caberea	rostrata
MNK599	Cnemidocarpa bicornuta (Sluiter, 1900)	Animalia	Chordata	Asciidiacea	Pleurogona	Styelidae	Cnemidocarpa	bicornuta
MNK599	Molgula mortenseni (Michaelsen, 1922)	Animalia	Chordata	Asciidiacea	Pleurogona	Molgulidae	Molgula	mortenseni
MNK599	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK599	Hydrozoa	Animalia	Cnidaria	Hydrozoa				
MNK599	Mimetridium cryptum	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK599	Coscinasterias muricata Verrill, 1867	Animalia	Echinodermata	Asteroids	Forcipulatida	Asteriidae	Coscinasterias	muricata

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK599	Acanthochitona zelandica (Quoy & Gaimard, 1825)	Animalia	Mollusca	Polyplacophora	Neoloricata	Acanthochitonidae	Acanthochitona	zelandica
MNK599	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK599	Perna canaliculus (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloidea	Mytilidae	Perna	canaliculus
MNK600	Lepidonotus polychromus Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK600	Protocirrineris nuchalis (Ehlers, 1907)	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae	Protocirrineris	nuchalis
MNK600	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK600	Austrominius modestus Darwin, 1854	Animalia	Arthropoda	Maxillopoda	Sessilia	Archaeobalanidae	Austrominius	modestus
MNK600	Halicarcinus varius (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Halicarcinus	varius
MNK600	Neohy menicus pubescens (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohy menicus	pubescens
MNK600	Notomithrax minor (Filhol, 1885)	Animalia	Arthropoda	Malacostraca	Decapoda	Majidae	Notomithrax	minor
MNK600	Parawaldeckia vesca Lowry & Stoddard, 1983	Animalia	Arthropoda	Malacostraca	Amphipoda	Melitidae	Parawaldeckia	vesca
MNK600	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK600	Pilumnopeus serratifrons (Kinahan, 1856)	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Pilumnopeus	serratifrons
MNK600	Molgula manhattensis (DeKay, 1843)	Animalia	Chordata	Asciidiacea	Pleurogona	Molgulidae	Molgula	manhattensis
MNK600	Aiptasiomorphidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Aiptasiomorphidae		
MNK600	Diadumenidae	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae		
MNK600	Mimetridium cryptum	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK600	Anomia trigonopsis Hutton, 1878	Animalia	Mollusca	Bivalvia	Ostreoida	Anomiidae	Anomia	trigonopsis
MNK600	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK600	Perna canaliculus (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloidea	Mytilidae	Perna	canaliculus
MNK601	Pherusa parmata (Grube, 1878)	Animalia	Annelida	Polychaeta	Terebellida	Flabelligeridae	Pherusa	parmata
MNK601	Pirakia pirakia-A	Animalia	Annelida	Polychaeta	Phyllodocida	Phyllodocidae	Pirakia	pirakia-A
MNK601	Pseudopista rostrata Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Pseudopista	rostrata
MNK601	Streblosoma toddae Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddæ
MNK601	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK601	Halicarcinus varius (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Halicarcinus	varius
MNK601	Neohy menicus pubescens (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohy menicus	pubescens
MNK601	Notomithrax minor (Filhol, 1885)	Animalia	Arthropoda	Malacostraca	Decapoda	Majidae	Notomithrax	minor
MNK601	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK601	Caberea rostrata Busk, 1884	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Candidae	Caberea	rostrata
MNK601	Mimetridium cryptum	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK601	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK601	Perna canaliculus (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloidea	Mytilidae	Perna	canaliculus
MNK602	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK602	Palaemon affinis Milne-Edwards, 1837	Animalia	Arthropoda	Malacostraca	Decapoda	Palaemonidae	Palaemon	affinis
MNK602	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK602	Mimetridium cryptum	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK602	Crassostrea gigas (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK602	Perna canaliculus (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloidea	Mytilidae	Perna	canaliculus
MNK603	Lepidastheniella comma (Thomson, 1902)	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidastheniella	comma
MNK603	Ophiodromus angustifrons (Grube, 1878)	Animalia	Annelida	Polychaeta	Phyllodocida	Hesionidae	Ophiodromus	angustifrons
MNK603	Pherusa parmata (Grube, 1878)	Animalia	Annelida	Polychaeta	Terebellida	Flabelligeridae	Pherusa	parmata
MNK603	Protocirrineris nuchalis (Ehlers, 1907)	Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae	Protocirrineris	nuchalis
MNK603	Pseudopista rostrata Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Pseudopista	rostrata
MNK603	Streblosoma toddae Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddæ
MNK603	Amphibalanus variegatus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK603	Neohy menicus pubescens (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohy menicus	pubescens
MNK603	Notomegalabanus decorus (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Notomegalabanus	decorus
MNK603	Notomithrax minor (Filhol, 1885)	Animalia	Arthropoda	Malacostraca	Decapoda	Majidae	Notomithrax	minor
MNK603	Petrolisthes elongatus (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK603	Actiniaria	Animalia	Cnidaria	Anthozoa	Actiniaria	Ostreidae	Crassostrea	gigas
MNK603	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Perna	canaliculus
MNK603	<i>Perna canaliculus</i> (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloida	Mytilidae	Lepidonotus	polychromus
MNK604	<i>Flabelligera affinis</i> Sars, 1829	Animalia	Annelida	Polychaeta	Terebellida	Flabelligeridae	Flabelligera	affinis
MNK604	<i>Lepidonotus polychromus</i> Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Phyllodocidae	Neanthes	keruelensis
MNK604	<i>Neanthes keruelensis</i> (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Pherusa	parmata
MNK604	<i>Pherusa parmata</i> (Grube, 1878)	Animalia	Annelida	Polychaeta	Terebellida	Flabelligeridae	Polydora	hoplura
MNK604	<i>Polydora hoplura</i> Claparede, 1870	Animalia	Annelida	Polychaeta	Spionida	Spionidae	Amphibalanus	variegatus
MNK604	<i>Amphibalanus variegatus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Neohymenicus	pubescens
MNK604	<i>Neohymenicus pubescens</i> (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Petrolisthes	elongatus
MNK604	<i>Petrolisthes elongatus</i> (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Pilumnopeus	serratifrons
MNK604	<i>Pilumnopeus serratifrons</i> (Kinahan, 1856)	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Caberea	rostrata
MNK604	<i>Caberea rostrata</i> Busk, 1884	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Candidae	Didemnum	
MNK604	<i>Didemnum</i> sp.	Animalia	Chordata	Asciidiacea	Enterogona	Didemnidae	Microcosmus	
MNK604	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidiacea	Pleurogona	Pyuridae	Molgula	mortenseni
MNK604	<i>Molgula mortenseni</i> (Michaelsen, 1922)	Animalia	Chordata	Asciidiacea	Pleurogona	Molgulidae	Mimetridium	cryptum
MNK604	<i>Mimetridium cryptum</i>	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Crassostrea	gigas
MNK604	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Perna	canaliculus
MNK604	<i>Perna canaliculus</i> (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Mytiloida	Mytilidae	Demonax	Demonax-B
MNK605	<i>Demonax</i> Demonax-B	Animalia	Annelida	Polychaeta	Sabellida	Sabellidae	Flabelligera	affinis
MNK605	<i>Flabelligera affinis</i> Sars, 1829	Animalia	Annelida	Polychaeta	Terebellida	Flabelligeridae	Amphibalanus	variegatus
MNK605	<i>Amphibalanus variegatus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Neohymenicus	pubescens
MNK605	<i>Neohymenicus pubescens</i> (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Parawaldeckia	vesca
MNK605	<i>Parawaldeckia vesca</i> Lowry & Stoddard, 1983	Animalia	Arthropoda	Malacostraca	Amphipoda	Melitidae	Petrolisthes	elongatus
MNK605	<i>Petrolisthes elongatus</i> (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Pilumnopeus	serratifrons
MNK605	<i>Pilumnopeus serratifrons</i> (Kinahan, 1856)	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Pilumnopeus	serratifrons
MNK605	<i>Pilumnopeus serratifrons</i> (Kinahan, 1856)	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Caberea	rostrata
MNK605	<i>Caberea rostrata</i> Busk, 1884	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Candidae	Actinopterygii	
MNK605	<i>Actinopterygii</i>	Animalia	Chordata	Actinopterygii	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK605	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidiacea	Pleurogona	Molgula	Molgula	mortenseni
MNK605	<i>Molgula mortenseni</i> (Michaelsen, 1922)	Animalia	Chordata	Asciidiacea	Pleurogona	Mimetridium	Mimetridium	cryptum
MNK605	<i>Mimetridium cryptum</i>	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Amphiura	annulifera
MNK605	<i>Amphiura annulifera</i> Mortensen, 1924	Animalia	Echinodermata	Ophiuroidea	Ophiurida	Ophiuridae	Anomia	trigonopsis
MNK605	<i>Mollusca</i>	Animalia	Mollusca	Bivalvia	Ostreoida	Anomiidae	Corallina	officinalis
MNK605	<i>Anomia trigonopsis</i> Hutton, 1878	Animalia	Mollusca	Bivalvia	Ostreidae	Crassostrea	gigas	
MNK605	<i>Bivalvia</i>	Animalia	Mollusca	Bivalvia	Mytiloida	Perna	canaliculus	
MNK605	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Mytilidae	Mytilidae	Sypharochiton	pellerserpentis
MNK605	<i>Perna canaliculus</i> (Gmelin, 1791)	Animalia	Mollusca	Bivalvia	Neotorulida	Chitonidae	Ovalipes	catharus
MNK605	<i>Sypharochiton pellerserpentis</i> (Quoy & Gaimard, 1835)	Animalia	Mollusca	Polyplacophora	Ostreidae	Ostreidae	Ovalipes	catharus
MNK605	<i>Porifera</i>	Animalia	Porifera		Portunidae	Portunidae	Ovalipes	catharus
MNK606	<i>Corallina officinalis</i> L.	Plantae	Rhodophyta	Florideophyceae	Corallinales	Corallinaceae	Rhodymenia	alien sp
MNK606	<i>Rhodymenia</i>	Plantae	Rhodophyta	Florideophyceae	Rhodymeniales	Rhodymeniaceae	Solieria	ovalipes
MNK606	<i>Solieria alien</i> sp	Plantae	Rhodophyta	Florideophyceae	Gigartinales	Gigartinaeae	Ovalipes	catharus
MNK607	<i>Ovalipes catharus</i> (White, 1843)	Animalia	Arthropoda	Malacostraca	Decapoda	Portunidae	Ovalipes	novizealandiae
MNK608	<i>Ovalipes catharus</i> (White, 1843)	Animalia	Arthropoda	Malacostraca	Decapoda	Portunidae	Pagurus	catharus
MNK608	<i>Pagurus novizealandiae</i> (Dana, 1852)	Animalia	Arthropoda	Malacostraca	Decapoda	Paguridae	Ovalipes	catharus
MNK609	<i>Ovalipes catharus</i> (White, 1843)	Animalia	Arthropoda	Malacostraca	Decapoda	Portunidae	Ovalipes	catharus
MNK610	<i>Ovalipes catharus</i> (White, 1843)	Animalia	Arthropoda	Malacostraca	Decapoda	Portunidae	Ovalipes	catharus
MNK611	<i>Notomithrax peronii</i> (Milne-Edwards, 1834)	Animalia	Arthropoda	Malacostraca	Decapoda	Majidae	Notomithrax	peronii
MNK611	<i>Ovalipes catharus</i> (White, 1843)	Animalia	Arthropoda	Malacostraca	Decapoda	Portunidae	Ovalipes	catharus

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK611	<i>Plagusia chabrus</i> (Linnaeus, 1758)	Animalia	Arthropoda	Malacostraca	Decapoda	Plagusiidae	Plagusia	chabrus
MNK611	<i>Pseudocaranx dentex</i> (Bloch & Schneider, 1801)	Animalia	Chordata	Actinopterygii	Perciformes	Carangidae	Pseudocaranx	dentex
MNK612	<i>Ovalipes catharus</i> (White, 1843)	Animalia	Arthropoda	Malacostraca	Decapoda	Portunidae	Ovalipes	catharus
MNK613	<i>Lotella rhacinus</i> (Forster, 1801)	Animalia	Chordata	Actinopterygii	Gadiformes	Moridae	Lotella	rhacinus
MNK614	Microdeutopus sp.	Animalia	Arthropoda	Malacostraca	Amphipoda	Aoridae	Microdeutopus	
MNK615	Demonax Demonax-B	Animalia	Annelida	Polychaeta	Sabellida	Sabellidae	Demonax	Demonax-B
MNK615	<i>Amphibalanus variegatus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK615	<i>Neohy menicus pubescens</i> (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohy menicus	pubescens
MNK615	<i>Palaemon affinis</i> Milne-Edwards, 1837	Animalia	Arthropoda	Malacostraca	Decapoda	Palaemonidae	Palaemon	affinis
MNK615	<i>Petrolisthes elongatus</i> (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK615	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidiacea	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK615	Mimetridium cryptum	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	
MNK615	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	
MNK615	<i>Mytilus</i>	Animalia	Mollusca	Bivalvia	Mytiliidae	Mytilidae	Mytilus	
MNK615	Unidentifiable	Unidentifiable						
MNK616	<i>Amphibalanus variegatus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK616	<i>Palaemon affinis</i> Milne-Edwards, 1837	Animalia	Arthropoda	Malacostraca	Decapoda	Palaemonidae	Palaemon	affinis
MNK616	<i>Petrolisthes elongatus</i> (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK616	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidiacea	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK616	<i>Molgula manhattensis</i> (DeKay, 1843)	Animalia	Chordata	Asciidiacea	Pleurogona	Molgulidae	Molgula	manhattensis
MNK616	Mimetridium cryptum	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	
MNK616	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	
MNK617	<i>Lepidastheniella comma</i> (Thomson, 1902)	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidastheniella	comma
MNK617	<i>Lepidonotus polychromus</i> Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK617	Cirripedia	Animalia	Arthropoda	Maxillopoda				
MNK617	<i>Palaemon affinis</i> Milne-Edwards, 1837	Animalia	Arthropoda	Malacostraca	Decapoda	Palaemonidae	Palaemon	affinis
MNK617	<i>Petrolisthes elongatus</i> (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK617	<i>Pilumnopaeus serratifrons</i> (Kinahan, 1856)	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Pilumnopaeus	serratifrons
MNK617	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidiacea	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK617	<i>Molgula manhattensis</i> (DeKay, 1843)	Animalia	Chordata	Asciidiacea	Pleurogona	Molgulidae	Molgula	manhattensis
MNK617	Actiniaria	Animalia	Cnidaria	Anthozoa	Actiniaria			
MNK617	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	
MNK618	Demonax Demonax-B	Animalia	Annelida	Polychaeta	Sabellida	Sabellidae	Demonax	Demonax-B
MNK618	<i>Lepidonotus polychromus</i> Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK618	<i>Platyneresis australis</i> group	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Platyneresis	australis group
MNK618	<i>Streblosoma toddae</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddae
MNK618	<i>Eurylana arcuata</i> (Hale, 1925)	Animalia	Arthropoda	Malacostraca	Isopoda	Cirolanidae	Eurylana	arcuata
MNK618	<i>Neohy menicus pubescens</i> (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohy menicus	pubescens
MNK618	<i>Palaemon affinis</i> Milne-Edwards, 1837	Animalia	Arthropoda	Malacostraca	Decapoda	Palaemonidae	Palaemon	affinis
MNK618	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidiacea	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK618	<i>Molgula manhattensis</i> (DeKay, 1843)	Animalia	Chordata	Asciidiacea	Pleurogona	Molgulidae	Molgula	manhattensis
MNK618	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	
MNK618	Detritus	Detritus						
MNK619	<i>Lepidonotus polychromus</i> Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK619	<i>Pherusa parmata</i> (Grube, 1878)	Animalia	Annelida	Polychaeta	Terebellida	Flabelligeridae	Pherusa	parmata
MNK619	<i>Amphibalanus variegatus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK619	<i>Halicarcinus varius</i> (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Halicarcinus	varius
MNK619	<i>Palaemon affinis</i> Milne-Edwards, 1837	Animalia	Arthropoda	Malacostraca	Decapoda	Palaemonidae	Palaemon	affinis
MNK619	Bryozoa	Animalia	Bryozoa					
MNK619	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidiacea	Pleurogona	Pyuridae	Microcosmus	squamiger

Sample Code	Taxon	Kingdom	Phylum	Class	Order	Family	Genus	Species
MNK619	<i>Molgula manhattensis</i> (DeKay, 1843)	Animalia	Chordata	Asciidae	Pleurogona	Molgulidae	Molgula	manhattensis
MNK619	Anthozoa	Animalia	Cnidaria	Anthozoa				
MNK619	Bivalvia	Animalia	Mollusca	Bivalvia				
MNK620	<i>Lepidonotus polychromus</i> Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK620	<i>Streblosoma toddae</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddæ
MNK620	<i>Amphibalanus variegatus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK620	<i>Neohymenicus pubescens</i> (Dana, 1851)	Animalia	Arthropoda	Malacostraca	Decapoda	Hymenosomatidae	Neohymenicus	pubescens
MNK620	<i>Pilumnopeus serratifrons</i> (Kinahan, 1856)	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Pilumnopeus	serratifrons
MNK620	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidae	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK620	<i>Molgula manhattensis</i> (DeKay, 1843)	Animalia	Chordata	Asciidae	Pleurogona	Molgulidae	Molgula	manhattensis
MNK620	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK621	<i>Amphibalanus variegatus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK621	<i>Palaemon affinis</i> Milne-Edwards, 1837	Animalia	Arthropoda	Malacostraca	Decapoda	Palaemonidae	Palaemon	affinis
MNK621	Asciidae	Animalia	Chordata	Asciidae				
MNK621	<i>Parablennius laticlavius</i> (Griffin, 1926)	Animalia	Chordata	Actinopterygii	Perciformes	Blenniidae	Parablennius	laticlavius
MNK621	Detritus	Detritus						
MNK622	<i>Demonax</i> Demonax-B	Animalia	Annelida	Polychaeta	Sabellida	Sabellidae	Demonax	Demonax-B
MNK622	<i>Streblosoma toddae</i> Hutchings & Smith, 1997	Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Streblosoma	toddæ
MNK622	<i>Petrolisthes elongatus</i> (Milne-Edwards, 1837)	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	elongatus
MNK622	<i>Pilumnopeus serratifrons</i> (Kinahan, 1856)	Animalia	Arthropoda	Malacostraca	Decapoda	Pilumnidae	Pilumnopeus	serratifrons
MNK622	<i>Microcosmus squamiger</i> Hartmeyer & Michaelsen, 1928	Animalia	Chordata	Asciidae	Pleurogona	Pyuridae	Microcosmus	squamiger
MNK622	<i>Molgula manhattensis</i> (DeKay, 1843)	Animalia	Chordata	Asciidae	Pleurogona	Molgulidae	Molgula	manhattensis
MNK622	<i>Crassostrea gigas</i> (Thunberg, 1793)	Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	Crassostrea	gigas
MNK623	Spirorbinae	Animalia	Annelida	Polychaeta	Sabellida	Serpulidae		
MNK623	<i>Lepidonotus polychromus</i> Schmarda, 1861	Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Lepidonotus	polychromus
MNK623	<i>Neanthes kerguelensis</i> (McIntosh, 1885)	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Neanthes	kerguelensis
MNK623	<i>Nereis falcaria</i> Willey, 1905	Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nereis	falcaria
MNK623	<i>Petrolisthes novaezelandiae</i> Filhol, 1885	Animalia	Arthropoda	Malacostraca	Decapoda	Porcellanidae	Petrolisthes	novaezelandiae
MNK623	<i>Plagusia chabrus</i> (Linnaeus, 1758)	Animalia	Arthropoda	Malacostraca	Decapoda	Plagusiidae	Plagusia	chabrus
MNK623	<i>Amphibalanus variegatus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Amphibalanus	variegatus
MNK623	<i>Austrominius modestus</i> Darwin, 1854	Animalia	Arthropoda	Maxillopoda	Sessilia	Archaeobalanidae	Austrominius	modestus
MNK623	<i>Notomegalanus decorus</i> (Darwin, 1854)	Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	Notomegalanus	decorus
MNK623	<i>Pagurus novizealandiae</i> (Dana, 1852)	Animalia	Arthropoda	Malacostraca	Decapoda	Paguridae	Pagurus	novizealandiae
MNK623	Rhynchocoelium	Animalia	Bryozoa	Stenolaemata	Cyclostomata	Phidoloporidae	Rhynchocoelium	
MNK623	<i>Schizosmittina cinctipora</i> (Hincks, 1883)	Animalia	Bryozoa	Gymnolaemata	Cheilostomata	Bitectiporidae	Schizosmittina	cinctipora
MNK623	<i>Diplosoma listerianum</i> (Milne-Edwards, 1841)	Animalia	Chordata	Asciidae	Enterogona	Didemnidae	Diplosoma	listerianum
MNK623	Mimetridium cryptum	Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	Mimetridium	cryptum
MNK623	<i>Patriella regularis</i> (Verrill, 1867)	Animalia	Echinodermata	Asteroids	Valvatida	Asterinidae	Patriella	regularis
MNK623	<i>Coscinasterias muricata</i> Verrill, 1867	Animalia	Echinodermata	Asteroids	Forcipulatida	Asteriidae	Coscinasterias	muricata
MNK623	<i>Atrina zelandica</i> Gray, 1842	Animalia	Mollusca	Bivalvia	Mytiloida	Pinnidae	Atrina	zelandica
MNK623	Platyhelminthes	Animalia	Platyhelminthes					
MNK623	<i>Rhodymenia eptophylla</i> J. Agardh	Plantae	Rhodophyta	Florideophyceae	Rhodymeniales	Rhodymeniaceae	Rhodymenia	eptophylla

At Golder Associates we strive to be the most respected global group of companies specializing in ground engineering and environmental services. Employee owned since our formation in 1960, we have created a unique culture with pride in ownership, resulting in long-term organizational stability. Golder professionals take the time to build an understanding of client needs and of the specific environments in which they operate. We continue to expand our technical capabilities and have experienced steady growth with employees now operating from offices located throughout Africa, Asia, Australasia, Europe, North America and South America.

Africa	+ 27 11 254 4800
Asia	+ 852 2562 3658
Australasia	+ 61 3 8862 3500
Europe	+ 356 21 42 30 20
North America	+ 1 800 275 3281
South America	+ 55 21 3095 9500

solutions@golder.com
www.golder.com



Golder Associates (NZ) Ltd
Level 2, Takapuna Business Park
4 Fred Thomas Drive
Takapuna, Auckland
New Zealand
T: +64 9 486 8068