

Monitoring Date					27/08/2019					
Monitoring Location					S1		S2		R1	
#	Phylum	Class	Family	Species	Replicate 1	Replicate 2	Replicate 1	Replicate 2	Replicate 1	Replicate 2
1	Annelida	Polychaeta	Amphinomidae	<i>Linopherus paucibranchiata</i>	1	0	0	0	2	0
2	Annelida	Polychaeta	Thalassematidae	<i>Anelassorhynchus sabinus</i>	0	0	0	0	0	1
3	Annelida	Polychaeta	Dorvilleidae	<i>Schistomeringos rudolphi</i>	1	0	0	1	0	0
4	Annelida	Polychaeta	Eunicidae	<i>Lysidice ninetta</i>	0	0	0	0	1	0
5	Annelida	Polychaeta	Eunicidae	<i>Marphysa stragulum</i>	0	0	0	0	0	0
6	Annelida	Polychaeta	Lumbrineridae	<i>Lumbrineris shiinoi</i>	0	0	1	0	1	1
7	Annelida	Polychaeta	Onuphidae	<i>Onuphis eremita</i>	0	0	0	0	0	2
8	Annelida	Polychaeta	Chrysopetalidae	<i>Bhavanina brevis</i>	1	0	1	0	0	0
9	Annelida	Polychaeta	Glyceridae	<i>Glycera alba</i>	0	0	0	0	2	3
10	Annelida	Polychaeta	Goniadidae	<i>Glycinde gurjanovae</i>	1	0	0	0	0	0
11	Annelida	Polychaeta	Hesionidae	<i>Ophiodromus angustifrons</i>	0	4	1	0	3	2
12	Annelida	Polychaeta	Lacydoniidae	<i>Paralacydonia paradox</i>	0	0	0	0	1	1
13	Annelida	Polychaeta	Nephtyidae	<i>Aglaphomus dibranchis</i>	1	4	2	3	2	1
14	Annelida	Polychaeta	Nereididae	<i>Leonnates persica</i>	1	0	0	0	0	0
15	Annelida	Polychaeta	Nereididae	<i>Leonnates</i> sp.	0	0	0	0	0	0
16	Annelida	Polychaeta	Phyllodocidae	<i>Eteone</i> sp.	0	0	0	0	1	0
17	Annelida	Polychaeta	Pilargidae	<i>Otopsis</i> sp.	0	3	0	0	1	2
18	Annelida	Polychaeta	Pilargidae	<i>Sigambra hanaokai</i>	2	3	3	1	5	4
19	Annelida	Polychaeta	Polynoidea	<i>Harmothoe</i> sp.	0	0	1	0	1	1
20	Annelida	Polychaeta	Syllidae	<i>Syllis</i> sp.	0	0	0	0	1	2
21	Annelida	Polychaeta	Oweniidae	<i>Owenia fusiformis</i>	0	0	0	0	1	0
22	Annelida	Polychaeta	Magelonidae	<i>Magelona</i> sp.	1	5	2	1	5	11
23	Annelida	Polychaeta	Poecilochaetidae	<i>Poecilochaetus</i> sp.	0	0	0	1	0	0
24	Annelida	Polychaeta	Spionidae	<i>Aonides oxycephala</i>	0	0	0	0	0	0
25	Annelida	Polychaeta	Spionidae	<i>Laonice cirrata</i>	1	2	0	1	8	5
26	Annelida	Polychaeta	Spionidae	<i>Prionospio malmgreni</i>	0	0	0	0	0	0
27	Annelida	Polychaeta	Spionidae	<i>Prionospio</i> sp.	2	3	1	2	11	7
28	Annelida	Polychaeta	Spionidae	<i>Scolecopsis</i> sp.	2	2	1	2	2	8
29	Annelida	Polychaeta	Ampharetidae	<i>Anobothrus</i> sp.	3	1	1	0	2	1
30	Annelida	Polychaeta	Cirratulidae	<i>Chaetozone</i> sp.	0	0	0	0	3	0
31	Annelida	Polychaeta	Cirratulidae	<i>Cirriformia</i> sp.	1	2	1	0	0	2
32	Annelida	Polychaeta	Cirratulidae	<i>Tharyx</i> sp.	0	3	0	0	1	2
33	Annelida	Polychaeta	Pectinariidae	<i>Pectinaria conchilega</i>	0	0	0	2	0	1
34	Annelida	Polychaeta	Sternaspidae	<i>Sternaspis scutata</i>	0	1	0	1	4	0
35	Annelida	Polychaeta	Terebellidae	<i>Amaeana</i> sp.	0	0	0	0	0	0
36	Annelida	Polychaeta	Terebellidae	<i>Pista</i> sp.	1	1	0	0	1	1
37	Annelida	Polychaeta	Trichobranchidae	<i>Terebellides stroemii</i>	0	0	0	0	6	3
38	Annelida	Polychaeta	Trichobranchidae	<i>Trichobranchus</i> sp.	0	0	0	0	0	2
39	Annelida	Polychaeta	Capitellidae	<i>Capitella</i> sp.	2	4	1	0	9	9
40	Annelida	Polychaeta	Capitellidae	<i>Notomastus</i> sp.	0	0	0	1	18	9
41	Annelida	Polychaeta	Cossuridae	<i>Cossura dimorpha</i>	1	2	0	0	1	0
42	Annelida	Polychaeta	Maldanidae	Maldanidae spp.	0	5	1	0	10	4
43	Annelida	Polychaeta	Opheliidae	<i>Ophelia acuminata</i>	0	1	0	1	1	3
44	Annelida	Polychaeta	Orbiniidae	<i>Phylo ornatus</i>	0	1	0	0	1	1
45	Annelida	Polychaeta	Paraonidae	<i>Aricidea</i> sp.	0	0	0	0	0	2
46	Annelida	Polychaeta	Paraonidae	<i>Cirrophorus miyakoensis</i>	0	0	0	0	0	1
47	Annelida	Polychaeta	Paraonidae	<i>Paraonis</i> sp.	1	0	0	0	0	0
48	Annelida	Polychaeta	Scalibregmidae	<i>Scalibregma inflatum</i>	0	0	0	0	2	4
49	Arthropoda	Malacostraca	Ampeliscaidae	<i>Ampelisca</i> sp.	1	5	0	0	1	5
50	Arthropoda	Malacostraca	Corophiidae	<i>Corophium</i> sp.	0	1	0	0	3	0
51	Arthropoda	Malacostraca	Maeridae	<i>Ceradocus</i> sp.	0	0	0	2	3	3
52	Arthropoda	Malacostraca	Bodotriidae	<i>Eocuma</i> sp.	0	0	0	0	0	0
53	Arthropoda	Malacostraca	Alpheidae	<i>Alpheus digitalis</i>	0	0	0	0	0	0
54	Arthropoda	Malacostraca	Alpheidae	<i>Betaeus</i> sp.	0	0	0	1	0	0
55	Arthropoda	Malacostraca	Callinassidae	<i>Nihonotrypaea japonica</i>	1	0	0	2	3	2
56	Arthropoda	Malacostraca	Goneplacidae	<i>Typhlocarcinops denticarpus</i>	0	1	0	0	0	0
57	Arthropoda	Malacostraca	Pasiphaeidae	<i>Leptochela</i> sp.	0	0	0	0	0	0
58	Arthropoda	Malacostraca	Pinnotheridae	<i>Xenopthalmus pinnotheroides</i>	0	0	0	1	1	1
59	Arthropoda	Malacostraca	Porcellanidae	<i>Raphidopus ciliatus</i>	0	0	0	0	0	0
60	Arthropoda	Malacostraca	Scalopidiidae	<i>Scalopidia spinosipes</i>	0	0	0	0	0	0
61	Arthropoda	Malacostraca	Anthuridae	<i>Cyathura</i> sp.	0	0	0	0	6	4
62	Arthropoda	Malacostraca	Nebaliidae	<i>Nebalia</i> sp.	0	1	0	1	0	0
63	Arthropoda	Malacostraca	Squillidae	<i>Miyakella nepa</i>	0	0	0	0	0	0
64	Chordata	Actinopterygii	Gobiidae	<i>Ctenogobius brevirostris</i>	0	0	0	0	0	0
65	Cnidaria	Anthozoa	Virgulariidae	<i>Virgularia</i> sp.	0	0	1	1	0	0
66	Echinodermata	Ophiuroidea		<i>Ophiuroidea</i> spp.	7	1	10	11	20	5
67	Mollusca	Bivalvia	Mytilidae	<i>Modiolatus plicatus</i>	0	0	0	0	0	0
68	Mollusca	Bivalvia	Nuculanidae	<i>Sacella cuspidata</i>	0	0	0	1	0	1
69	Mollusca	Bivalvia	Solenidae	<i>Solen dunkerianus</i>	0	0	0	0	0	0
70	Mollusca	Bivalvia	Tellinidae	<i>Nitidotellina</i> sp.	1	0	0	0	0	0
71	Mollusca	Bivalvia	Tellinidae	<i>Tellina iridella</i>	0	0	0	0	0	0
72	Mollusca	Bivalvia	Tellinidae	<i>Tellina</i> sp.	0	0	0	0	0	0
73	Mollusca	Bivalvia	Ungulinidae	<i>Diplodonta sowerbyi</i>	0	0	0	0	1	0
74	Nemertea	--	--	<i>Nemertea</i> spp.	1	4	3	1	3	8
75	Platyhelminthes	--	--	<i>Platyhelminthes</i> spp.	0	0	0	0	0	0
76	Sipuncula	Phascolosomatidea	Phascolosomatidae	<i>Apionsoma trichocephalus</i>	2	1	3	0	1	1
77	Sipuncula	Sipunculidea	Sipunculidae	<i>Sipunculus nudus</i>	0	0	0	0	0	0

Monitoring Date					30/12/2019					
Monitoring Location					S1		S2		R1	
#	Phylum	Class	Family	Species	Replicate 1	Replicate 2	Replicate 1	Replicate 2	Replicate 1	Replicate 2
1	Annelida	Polychaeta	Amphinomidae	<i>Linopherus paucibranchiata</i>	0	1	1	0	0	0
2	Annelida	Polychaeta	Thalassematidae	<i>Anelassorhynchus sabinus</i>	0	0	0	0	0	0
3	Annelida	Polychaeta	Dorvilleidae	<i>Schistomeringos rudolphi</i>	0	0	0	0	0	0
4	Annelida	Polychaeta	Eunicidae	<i>Lysidice ninetta</i>	0	0	0	0	0	0
5	Annelida	Polychaeta	Eunicidae	<i>Marphysa stragulum</i>	0	1	0	0	0	0
6	Annelida	Polychaeta	Lumbrineridae	<i>Lumbrineris shiinoi</i>	0	0	0	0	1	1
7	Annelida	Polychaeta	Onuphidae	<i>Onuphis eremita</i>	0	0	0	0	0	0
8	Annelida	Polychaeta	Chrysopetalidae	<i>Bhavanina brevis</i>	1	0	0	0	1	1
9	Annelida	Polychaeta	Glyceridae	<i>Glycera alba</i>	0	1	0	1	3	1
10	Annelida	Polychaeta	Goniadidae	<i>Glycinde gurjanovae</i>	1	2	1	0	0	0
11	Annelida	Polychaeta	Hesionidae	<i>Ophiodromus angustifrons</i>	0	0	0	0	1	2
12	Annelida	Polychaeta	Lacydoniidae	<i>Paralacydonia paradox</i>	0	0	0	0	1	1
13	Annelida	Polychaeta	Nephtyidae	<i>Aglaphomus dibranchis</i>	2	0	1	0	3	4
14	Annelida	Polychaeta	Nereididae	<i>Leonnates persica</i>	0	0	0	0	0	0
15	Annelida	Polychaeta	Nereididae	<i>Leonnates</i> sp.	0	0	0	0	1	0
16	Annelida	Polychaeta	Phyllodocidae	<i>Eteone</i> sp.	0	2	0	0	0	1
17	Annelida	Polychaeta	Pilargidae	<i>Otopsis</i> sp.	0	1	0	0	0	0
18	Annelida	Polychaeta	Pilargidae	<i>Sigambra hanaokai</i>	2	0	0	1	2	0
19	Annelida	Polychaeta	Polynoidea	<i>Harmothoe</i> sp.	0	0	0	0	1	0
20	Annelida	Polychaeta	Syllidae	<i>Syllis</i> sp.	0	0	0	0	0	0
21	Annelida	Polychaeta	Oweniidae	<i>Owenia fusiformis</i>	0	0	0	0	0	0
22	Annelida	Polychaeta	Magelonidae	<i>Magelona</i> sp.	1	0	2	1	6	11
23	Annelida	Polychaeta	Poecilochaetidae	<i>Poecilochaetus</i> sp.	0	0	0	0	3	1
24	Annelida	Polychaeta	Spionidae	<i>Aonides oxycephala</i>	0	0	0	0	1	1
25	Annelida	Polychaeta	Spionidae	<i>Laonice cirrata</i>	1	2	0	0	4	4
26	Annelida	Polychaeta	Spionidae	<i>Prionospio malmgreni</i>	0	3	1	0	12	8
27	Annelida	Polychaeta	Spionidae	<i>Prionospio</i> sp.	0	0	0	0	0	0
28	Annelida	Polychaeta	Spionidae	<i>Scolecopsis</i> sp.	0	0	2	0	0	1
29	Annelida	Polychaeta	Ampharetidae	<i>Anobothrus</i> sp.	0	0	0	0	0	0
30	Annelida	Polychaeta	Cirratulidae	<i>Chaetozone</i> sp.	0	0	0	0	0	0
31	Annelida	Polychaeta	Cirratulidae	<i>Cirriformia</i> sp.	0	0	0	0	0	2
32	Annelida	Polychaeta	Cirratulidae	<i>Tharyx</i> sp.	0	0	0	0	0	2
33	Annelida	Polychaeta	Pectinariidae	<i>Pectinaria conchilega</i>	0	1	0	0	0	0
34	Annelida	Polychaeta	Sternaspidae	<i>Sternaspis scutata</i>	1	0	0	0	1	1
35	Annelida	Polychaeta	Terebellidae	<i>Amaeana</i> sp.	0	0	0	1	0	0
36	Annelida	Polychaeta	Terebellidae	<i>Pista</i> sp.	0	1	0	0	0	0
37	Annelida	Polychaeta	Trichobranchidae	<i>Terebellides stroemii</i>	0	2	0	0	5	1
38	Annelida	Polychaeta	Trichobranchidae	<i>Trichobranchus</i> sp.	0	0	0	0	0	0
39	Annelida	Polychaeta	Capitellidae	<i>Capitella</i> sp.	0	2	1	0	5	5
40	Annelida	Polychaeta	Capitellidae	<i>Notomastus</i> sp.	1	0	0	1	0	14
41	Annelida	Polychaeta	Cossuridae	<i>Cossura dimorpha</i>	0	0	0	1	0	1
42	Annelida	Polychaeta	Maldanidae	Maldanidae spp.	1	2	1	0	6	10
43	Annelida	Polychaeta	Opheliidae	<i>Ophelia acuminata</i>	0	1	0	0	0	0
44	Annelida	Polychaeta	Orbiniidae	<i>Phylo ornatus</i>	0	0	0	0	0	0
45	Annelida	Polychaeta	Paraonidae	<i>Aricidea</i> sp.	0	1	0	0	5	4
46	Annelida	Polychaeta	Paraonidae	<i>Cirrophorus miyakoensis</i>	0	2	0	0	0	0
47	Annelida	Polychaeta	Paraonidae	<i>Paraonis</i> sp.	0	0	0	0	0	0
48	Annelida	Polychaeta	Scalibregmidae	<i>Scalibregma inflatum</i>	0	1	0	0	4	0
49	Arthropoda	Malacostraca	Ampeliscaidae	<i>Ampelisca</i> sp.	0	4	1	0	11	2
50	Arthropoda	Malacostraca	Corophiidae	<i>Corophium</i> sp.	0	0	0	0	3	3
51	Arthropoda	Malacostraca	Maeridae	<i>Ceradocus</i> sp.	0	0	0	0	2	1
52	Arthropoda	Malacostraca	Bodotriidae	<i>Eocuma</i> sp.	0	0	0	0	2	0
53	Arthropoda	Malacostraca	Alpheidae	<i>Alpheus digitalis</i>	0	0	0	0	2	0
54	Arthropoda	Malacostraca	Alpheidae	<i>Betaeus</i> sp.	0	0	0	0	0	0
55	Arthropoda	Malacostraca	Callinassidae	<i>Nihonotrypaea japonica</i>	0	2	0	1	0	1
56	Arthropoda	Malacostraca	Goneplacidae	<i>Typhlocarcinops denticarpus</i>	0	0	1	1	1	1
57	Arthropoda	Malacostraca	Pasiphaeidae	<i>Leptocheila</i> sp.	0	0	0	0	0	2
58	Arthropoda	Malacostraca	Pinnotheridae	<i>Xenopthalmus pinnotheroides</i>	0	0	0	0	0	2
59	Arthropoda	Malacostraca	Porcellanidae	<i>Raphidopus ciliatus</i>	0	0	0	0	2	1
60	Arthropoda	Malacostraca	Scalopidiidae	<i>Scalopidia spinosipes</i>	1	0	0	0	0	1
61	Arthropoda	Malacostraca	Anthuridae	<i>Cyathura</i> sp.	0	0	0	0	5	3
62	Arthropoda	Malacostraca	Nebaliidae	<i>Nebalia</i> sp.	0	0	0	0	0	0
63	Arthropoda	Malacostraca	Squillidae	<i>Miyakella nepa</i>	0	0	0	0	0	1
64	Chordata	Actinopterygii	Gobiidae	<i>Ctenogobius brevirostris</i>	0	0	0	0	1	0
65	Cnidaria	Anthozoa	Virgulariidae	<i>Virgularia</i> sp.	0	0	0	0	0	0
66	Echinodermata	Ophiuroidea		<i>Ophiuroidea</i> spp.	5	3	4	3	8	11
67	Mollusca	Bivalvia	Mytilidae	<i>Modiolatus plicatus</i>	0	0	0	0	0	1
68	Mollusca	Bivalvia	Nuculanidae	<i>Sacella cuspidata</i>	1	0	0	2	0	0
69	Mollusca	Bivalvia	Solenidae	<i>Solen dunkerianus</i>	1	0	0	0	0	0
70	Mollusca	Bivalvia	Tellinidae	<i>Nitidotellina</i> sp.	0	0	0	0	0	0
71	Mollusca	Bivalvia	Tellinidae	<i>Tellina iridella</i>	0	0	1	0	1	0
72	Mollusca	Bivalvia	Tellinidae	<i>Tellina</i> sp.	0	0	2	0	1	0
73	Mollusca	Bivalvia	Ungulinidae	<i>Diplodonta sowerbyi</i>	0	0	0	0	2	2
74	Nemertea	--	--	<i>Nemertea</i> spp.	0	6	3	4	4	7
75	Platyhelminthes	--	--	<i>Platyhelminthes</i> spp.	0	1	0	0	0	0
76	Sipuncula	Phascolosomatidea	Phascolosomatidae	<i>Apionsoma trichocephalus</i>	1	0	1	0	6	4
77	Sipuncula	Sipunculidea	Sipunculidae	<i>Sipunculus nudus</i>	0	0	0	0	1	0