

Appendix H

Supporting Data

2010 Regional Stations

Macrobenthic Communities

Appendix H.1

Summary of taxa that distinguish between each cluster group according to SIMPER analysis. Shown are the five taxa with the greatest percent contribution to overall average Bray-Curtis dissimilarity between each group.

Species/Taxa	Average Dissimilarity/ Standard Deviation	Percent Contribution	Cumulative Percent Contribution
Groups A & B			
<i>Maldane sarsi</i>	4.2	4.3	4.3
<i>Gibberosus myersi</i>	1.1	4.1	8.5
<i>Yoldiella nana</i>	4.5	3.8	12.3
<i>Eclysippe trilobata</i>	4.1	3.7	16.0
<i>Metharpinia jonesi</i>	2.4	3.3	19.3
Groups A & C			
<i>Gibberosus myersi</i>	1.1	3.3	3.3
<i>Spiophanes norrisi</i>	1.2	3.0	6.2
<i>Metharpinia jonesi</i>	2.3	2.9	9.1
<i>Spio maculata</i>	1.4	2.6	11.7
Actiniaria	0.8	2.4	14.1
Groups A & D			
<i>Spiophanes norrisi</i>	1.5	3.6	3.6
<i>Gibberosus myersi</i>	1.0	2.1	5.7
<i>Metharpinia jonesi</i>	1.8	1.8	7.5
<i>Spiophanes duplex</i>	1.1	1.7	9.2
<i>Apoprionospio pygmaea</i>	0.9	1.5	10.7
Groups A & E			
<i>Aphelochaeta glandaria</i> Cmplx	5.5	4.2	4.2
<i>Gibberosus myersi</i>	1.1	3.0	7.1
<i>Monticellina siblina</i>	3.6	2.8	9.9
<i>Chaetozone</i> sp SD5	5.5	2.6	12.5
<i>Metharpinia jonesi</i>	2.1	2.4	14.9
Groups A & F			
<i>Gibberosus myersi</i>	1.1	3.2	3.2
<i>Metharpinia jonesi</i>	2.4	2.6	5.7
Actiniaria	0.8	2.2	7.9
<i>Tellina modesta</i>	3.3	2.1	10.0
<i>Owenia collaris</i>	0.6	2.1	12.1
Groups A & G			
<i>Amphiodia urtica</i>	2.0	3.6	3.6
<i>Gibberosus myersi</i>	1.2	2.1	5.7
<i>Metharpinia jonesi</i>	2.7	1.7	7.4
Actiniaria	0.8	1.5	8.8
<i>Owenia collaris</i>	0.6	1.5	10.3
Groups B & C			
<i>Maldane sarsi</i>	4.5	4.1	4.1

Appendix H.1 *continued*

Species/Taxa	Average Dissimilarity/ Standard Deviation	Percent Contribution	Cumulative Percent Contribution
Groups B & C			
<i>Spiophanes norrisi</i>	1.3	4.0	8.1
<i>Yoldiella nana</i>	5.0	3.7	11.8
<i>Eclysippe trilobata</i>	4.4	3.5	15.3
<i>Spio maculata</i>	1.4	2.9	18.1
Groups B & D			
<i>Spiophanes norrisi</i>	1.7	4.5	4.5
<i>Maldane sarsi</i>	2.1	2.4	6.9
<i>Yoldiella nana</i>	2.1	2.2	9.1
<i>Eclysippe trilobata</i>	2.1	2.1	11.2
<i>Spiophanes duplex</i>	1.1	1.8	13.0
Groups B & E			
<i>Aphelochaeta glandaria</i> Cmplx	8.9	4.8	4.8
<i>Maldane sarsi</i>	3.0	3.6	8.4
<i>Yoldiella nana</i>	3.1	3.2	11.6
<i>Monticellina siblina</i>	4.0	3.2	14.8
<i>Chaetozone</i> sp SD5	13.0	3.0	17.7
Groups B & F			
<i>Yoldiella nana</i>	4.7	3.8	3.8
<i>Eclysippe trilobata</i>	4.2	3.7	7.5
<i>Maldane sarsi</i>	2.2	2.6	10.1
<i>Spiophanes kimballi</i>	1.9	2.4	12.5
<i>Myriochele gracilis</i>	1.2	2.1	14.6
Groups B & G			
<i>Amphiodia urtica</i>	2.0	4.3	4.3
<i>Yoldiella nana</i>	5.0	2.3	6.6
<i>Eclysippe trilobata</i>	3.3	2.1	8.7
<i>Maldane sarsi</i>	3.4	2.1	10.7
<i>Axinopsida serricata</i>	1.2	1.7	12.4
Groups C & D			
<i>Spiophanes norrisi</i>	1.4	3.2	3.2
<i>Spiophanes duplex</i>	1.1	1.8	5.0
<i>Spio maculata</i>	1.2	1.8	6.8
<i>Apoprionospio pygmaea</i>	0.7	1.5	8.3
<i>Mediomastus</i> sp	2.2	1.4	9.7
Groups C & E			
<i>Aphelochaeta glandaria</i> Cmplx	6.0	4.4	4.4
<i>Spiophanes norrisi</i>	1.5	3.8	8.1
<i>Monticellina siblina</i>	3.8	2.5	10.6

Appendix H.1 *continued*

Species/Taxa	Average Dissimilarity/ Standard Deviation	Percent Contribution	Cumulative Percent Contribution
Groups C & E			
<i>Spio maculata</i>	1.3	2.3	12.9
<i>Chaetozone</i> sp SD5	3.4	2.0	14.9
Groups C & F			
<i>Spiophanes norrisi</i>	1.7	3.9	3.9
<i>Spio maculata</i>	1.5	2.4	6.2
<i>Eurydice caudata</i>	3.8	1.9	8.2
<i>Spiophanes kimballi</i>	1.8	1.9	10.1
<i>Lanassa venusta venusta</i>	1.0	1.6	11.7
Groups C & G			
<i>Amphiodia urtica</i>	1.9	3.5	3.5
<i>Spiophanes norrisi</i>	1.5	2.6	6.1
<i>Spio maculata</i>	1.4	1.7	7.8
<i>Axinopsida serricata</i>	1.2	1.5	9.3
<i>Eurydice caudata</i>	2.9	1.3	10.6
Groups D & E			
<i>Spiophanes norrisi</i>	1.8	4.4	4.4
<i>Aphelochaeta glandaria</i> Cmplx	2.4	2.8	7.2
<i>Spiophanes duplex</i>	1.1	1.5	8.7
<i>Chaetozone</i> sp SD5	1.7	1.4	10.1
<i>Apoprionospio pygmaea</i>	0.7	1.3	11.4
Groups D & F			
<i>Spiophanes norrisi</i>	1.9	4.3	4.3
<i>Spiophanes duplex</i>	1.1	1.5	5.9
<i>Apoprionospio pygmaea</i>	0.7	1.3	7.2
<i>Monticellina siblina</i>	1.0	1.3	8.5
<i>Spiophanes kimballi</i>	1.5	1.2	9.7
Groups D & G			
<i>Spiophanes norrisi</i>	1.8	3.5	3.5
<i>Amphiodia urtica</i>	1.7	2.6	6.0
<i>Spiophanes duplex</i>	1.1	1.1	7.2
<i>Axinopsida serricata</i>	1.1	1.1	8.3
<i>Apoprionospio pygmaea</i>	0.7	1.1	9.3
Groups E & F			
<i>Aphelochaeta glandaria</i> Cmplx	3.1	3.5	3.5
<i>Monticellina siblina</i>	3.7	3.0	6.5
<i>Chaetozone</i> sp SD5	4.0	2.8	9.3
<i>Huxleyia munita</i>	1.2	1.7	11.0
<i>Spiophanes kimballi</i>	1.4	1.4	12.4

Appendix H.1 *continued*

Species/Taxa	Average Dissimilarity/ Standard Deviation	Percent Contribution	Cumulative Percent Contribution
Groups E & G			
<i>Amphiodia urtica</i>	1.9	3.8	3.8
<i>Aphelochaeta glandaria</i> Cmplx	3.3	2.8	6.6
<i>Chaetozone</i> sp SD5	3.6	2.0	8.6
<i>Monticellina siblina</i>	2.2	1.8	10.4
<i>Axinopsida serricata</i>	1.1	1.3	11.7
Groups F & G			
<i>Amphiodia urtica</i>	1.9	3.9	3.9
<i>Axinopsida serricata</i>	1.1	1.3	5.2
<i>Spiophanes kimballi</i>	1.7	1.3	6.5
<i>Travisia brevis</i>	1.6	1.2	7.7
<i>Prionospio</i> (<i>Prionospio</i>) <i>dubia</i>	2.2	1.2	8.8
